



ACC Material Portfolio

AirChem Consumables

Developer and Manufacturer of Surface Treatments, Coatings and
Airliners Catering Hygiene To Support Lifetime of Aviation Industry



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Environmentally advantageous products
that no MRO/FBO should be without!



ACC

MATERIAL PORTFOLIO



CONTENTS SORTED BY PRODUCTS

For products sorted by specifications refer to pages 5 to 7

AIRCRAFT PAINT REMOVERS

PRODUCT NAME	DESCRIPTION	SPECIFICATION
ACC 1100	Neutral Paint Stripper	AMS 1375B
ACC 1110	Neutral Paint Stripper (Tank Type)	AMS 1378A
ACC 1111	Tank Type Paint Stripper, Sodium Chromate Free	Boeing D6-17487, Corrosion Requirement of MIL-PRF-83936C
ACC 1115	A Diphasic Liquid Paint Stripper to be used in hot-dip tank.	Meets requirements of MIL-PRF-83936B Amend 2
ACC 1120	Neutral Peroxide Paint Stripper	AMS 1377, Boeing D6-17487 Rev. R
ACC 1140	Environmentally Advantaged Hydrogen Peroxide Activated Paint Remover	TT-R-2918 TYPE I
ACC 1150	Non Phenolic, Non Chromate, Acid Activated Paint Remover	AMS 1376, MIL-R-81903A
ACC 1160	Non Phenolic, Non Chromate Paint Remover	AMS 1375, Douglas DPM-5649
ACC 1170	Acid Activated Paint Stripper	AMS 1376

AIRCRAFT PAINT REMOVERS RELATED PAGES:

CONTENT LIST :	ACC-1100	ACC-1110	ACC-1111	ACC 1115	ACC 1120	ACC 1140	ACC 1150	ACC 1160	ACC 1170
TECHNICAL DATA SHEET	Page: 8	11	13	16	17	20	22	23	24
APPROVALS	9	12	14	*	18	21	*	*	*
SAFETY DATA SHEET	Please download MSDS from www.aerospace-acc.com								



AIRCRAFT CLEANERS

PRODUCT NAME	DESCRIPTION	SPECIFICATION
ACC 2200	All Purpose Interior and Exterior Aircraft Cleaner	AMS 1550B, AMS 1526C
ACC 2201	Aircraft Interior Cleaner	AMS 1550B
ACC 2210	All Purpose Cleaner	AMS 1550B, AMS 1526C
ACC 2220	Heavy Duty Aircraft Exterior Cleaner	MIL-PRF-85570E, TYPE II
ACC 2230	Aircraft Wheel Cleaner	AMS 1537B
ACC 2240	Aircraft Carpet Cleaner	AMS 1630C
ACC 2250	Aircraft Ferrous and Non-Ferrous Cleaner & Deoxidizer	AMS 1384

AIRCRAFT APPEARANCE

ACC 2300	Medium-heavy Duty Aircraft Polish and Cleaner in Paste Form	AMS 1650C DPM-5208 CSD No.17
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AIRCRAFT CLEANER RELATED PAGES:

CONTENT LIST :

	ACC 2200	ACC 2201	ACC 2210	ACC 2220	ACC 2230	ACC 2240	ACC 2250	ACC 2300
TECHNICAL DATA SHEET	Page: 25	27	29	32	35	37	39	40
APPROVALS	26	28	30	33	36	38	*	*
SAFETY DATA SHEET	Please download MSDS from www.aerospace-acc.com							

AIRCRAFT TOILET HYGIENE

PRODUCT NAME	DESCRIPTION	SPECIFICATION
ACC 3300	Toilet Disinfectant/Deodorant Liquid Type Concentrated	AMS 1476C
ACC 3310 RTU	Toilet Disinfectant/Deodorant Ready to use Liquid	AMS 1476C
ACC 3320	Aircraft Toilet Descaler	AIMS 1640C
ACC 3330	Toilet Disinfectant/Deodorant Sachet Type	AMS 1476B
ACC 3340	Aircraft Interior All Purpose Hygiene	AMS 1550B, Boeing D6-7127

AIRCRAFT TOILET HYGIENE RELATED PAGES:

CONTENT LIST :

	ACC 3300	ACC 3310 RTU	ACC 3320	ACC 3330	ACC 3340
TECHNICAL DATA SHEET	Page: 41	44	47	48	49
APPROVALS	42	45	*	*	50
SAFETY DATA SHEET	Please download MSDS from www.aerospace-acc.com				

* Conforms to



Alternative Solvent Solutions

PRODUCT NAME	DESCRIPTION	SPECIFICATION
ACC 4400	Solvent (Alternative for White Spirits)	MIL-PRF-680C, TYPE II
ACC 4410	Solvent (Alternative to MEK)	AMS 1525D
ACC 4420-4	Odorless Cleaning Solvent. ACC 4420-4 is a peculiar mixture, especially developed, of aliphatic petroleum solvents. It has replaced chlorinated solvents like perchloroethylene, trichloroethylene, methylene chloride, white spirit, aromatic naphta and similar solvents with full satisfaction of users and safety people. (Alternative to MEK)	Newly developed product
ACC 4420-100	Odorless Cleaning Solvent. ACC 4420-100 is a mixture of special denatured oil hydrocarbon-based solvents without aromatic solvents, sulphur, chlorine, phosphorous, with a low-risk classification. It has fewer raw materials with reduced VOC than conventional solvents. (Alternative to MEK)	Newly developed product

Alternative Solvent Solutions RELATED PAGES:

CONTENT LIST :

	ACC 4400	ACC 4410	ACC 4420-4	ACC 4420-100
TECHNICAL DATA SHEET	Page: 52	53	54	55
APPROVALS	*	*	N/A	N/A
SAFETY DATA SHEET	Please download MSDS from www.aerospace-acc.com			

GAS TURBINE CLEANERS

PRODUCT NAME	DESCRIPTION	SPECIFICATION
ACC 5500	Compressor Cleaner (Solvent Based)	MIL-PRF-85704C, TYPE I
ACC 5510	Compressor Cleaner (Water Based)	MIL-PRF-85704C, TYPE II

GAS TURBINE CLEANER RELATED PAGES:

CONTENT LIST :

	ACC 5500	ACC 5510
TECHNICAL DATA SHEET	Page: 56	59
APPROVALS	57	60
SAFETY DATA SHEET	Please download MSDS from www.aerospace-acc.com	



AIRCRAFT COATINGS SYSTEM

PRODUCT NAME	DESCRIPTION	SPECIFICATION
ACC WS-3	One Component Aircraft Interior Coating	BMS 10-83, TYPE VI
ACC WP 4004	Wash Primer	BMS 10-72, TYPE 5, AIMS 04-04-012 (TN 10.113)
ACC PP 5005	High Solids Polyurethane Primer	AMS 3095A
ACC UHS-PT 6006	High Solids Polyurethane Topcoat	AMS 3095A

AIRCRAFT COATINGS SYSTEM RELATED PAGES:

CONTENT LIST :

TECHNICAL DATA SHEET	Page: 62	63	64	65
APPROVALS	*	*	*	*
SAFETY DATA SHEET	Please download MSDS from www.aerospace-acc.com			

AIRCRAFT SPECIALITY MATERIAL

PRODUCT NAME	DESCRIPTION	SPECIFICATION
ACC ABRASIVE PAD	Removes soil, paint residues, light corrosion and oxide films	MIL-A-9962A, TYPE I

AIRCRAFT SPECIALITY MATERIAL RELATED PAGES:

CONTENT LIST :

TECHNICAL DATA SHEET	Page: 66
APPROVALS	*
SAFETY DATA SHEET	Please download MSDS from www.aerospace-acc.com

Website for downloading MSDS
www.aerospace-acc.com



FIND PRODUCTS BY SPECIFICATION

AIRCRAFT PAINT REMOVERS

SPECIFICATION	PRODUCT NAME	DESCRIPTION
AMS 1375	ACC 1160	Non Phenolic, Non Chromate Paint Remover
AMS 1375B	ACC 1100	Neutral Paint Stripper
AMS 1376	ACC 1170	Acid Activated Paint Stripper
AMS 1376	ACC 1150	Non Phenolic, Non Chromate, Acid Activated Paint Remover
AMS 1377	ACC 1120	Neutral Peroxide Paint Stripper
AMS 1378A	ACC 1110	Neutral Paint Stripper, (Tank Type)
Boeing D6-17487 Rev. R	ACC 1120	Neutral Peroxide Paint Stripper
Boeing D6-17487	ACC 1111	Tank Type Paint Stripper, Sodium Chromate Free
Douglas DPM-5649	ACC 1160	Non Phenolic, Non Chromate Paint Remover
MIL-PRF-83936B Amend 2 (Meets requirements of)	ACC 1115	A diphasic liquid paint stripper to be used in hot-dip tank. Removes resistant coatings such as polyurethane, acrylic, epoxy, and chromated primer.
MIL-PRF-83936C (Corrosion Requirement)	ACC 1111	Tank Type Paint Stripper, Sodium Chromate Free
MIL-R-81903A	ACC 1150	Non Phenolic, Non Chromate, Acid Activated Paint Remover
TT-R-2918, TYPE I	ACC 1140	Environmentally Advantaged Hydrogen Peroxide Activated Paint Remover



AIRCRAFT CLEANERS

SPECIFICATION	PRODUCT NAME	DESCRIPTION
AMS 1384	ACC 2250	Aircraft Ferrous and Non-Ferrous Cleaner & Deoxidizer
AMS 1526C	ACC 2200	All Purpose Interior and Exterior Aircraft Cleaner
AMS 1526C	ACC 2210	All Purpose Cleaner
AMS 1537B	ACC 2230	Aircraft Wheel Cleaner
AMS 1550B	ACC 2200	All Purpose Interior and Exterior Aircraft Cleaner
AMS 1550B	ACC 2201	Aircraft Interior Cleaner
AMS 1550B	ACC 2210	All Purpose Cleaner
AMS 1630C	ACC 2240	Aircraft Carpet Cleaner
MIL-PRF-85570E, TYPE II	ACC 2220	Heavy Duty Aircraft Exterior Cleaner

AIRCRAFT TOILET HYGIENE

SPECIFICATION	PRODUCT NAME	DESCRIPTION
AMS 1476C	ACC 3300	Toilet Disinfectant/Deodorant Liquid Type Concentrated
AMS 1476C	ACC 3310 RTU	Toilet Disinfectant/Deodorant Ready to use Liquid
AMS 1476B	ACC 3330	Toilet Disinfectant/Deodorant Sachet Type
AMS 1550B	ACC 3340	Aircraft Interior All Purpose Hygiene
AMS 1640C	ACC 3320	Aircraft Toilet Descaler
Boeing D6-7127	ACC 3340	Aircraft Interior All Purpose Hygiene

GAS TURBINE CLEANERS

SPECIFICATION	PRODUCT NAME	DESCRIPTION
MIL-PRF-85704C, TYPE I	ACC 5500	Compressor Cleaner (Solvent Based)
MIL-PRF-85704C, TYPE II	ACC 5510	Compressor Cleaner (Water Based)



AIRCRAFT APPEARANCE

SPECIFICATION	PRODUCT NAME	DESCRIPTION
AMS 1650C	ACC 2300	Aircraft Exterior Aluminium Polish
DPM-5208	ACC 2300	Aircraft Exterior Aluminium Polish
CSD No.17	ACC 2300	Aircraft Exterior Aluminium Polish

Alternative Solvent Solutions

SPECIFICATION	PRODUCT NAME	DESCRIPTION
AMS 1525D	ACC 4410	Solvent (Alternative to MEK)
MIL-PRF-680C, TYPE II	ACC 4400	Solvent (Alternative for White Spirits)

AIRCRAFT COATINGS SYSTEM

SPECIFICATION	PRODUCT NAME	DESCRIPTION
BMS 10-72, TYPE 5	ACC WP 4004	WashPrimer
BMS 10-83, TYPE VI	ACC WS-3	One Component Aircraft Interior Coating
AIMS 04-04-012 (TN 10.113)	ACC WP 4004	WashPrimer
AMS 3095A	ACC PP 5005	High Solids Polyurethane Primer
AMS 3095A	ACC UHS-PT 6006	High Solids Polyurethane Topcoat

AIRCRAFT SPECIALITY MATERIAL

SPECIFICATION	PRODUCT NAME	DESCRIPTION
MIL-A-9962A, TYPE I	ACC Abrasive Pad	Removes soil, paint residues, light corrosion and oxide films

Website for downloading MSDS
www.aerospace-acc.com

ACC 1100

Product Group	Paint Remover
Description	ACC 1100 removes cured two component epoxy and polyurethane coatings from metal substrates.
Characteristics	<p>Ready to use, chemically neutral.</p> <p>Applied by non- atomizing spray, brush.</p> <p>Can be applied on high strength steel.</p> <p>Can be removed with cold water.</p> <p>Not to be applied on substrates sensitive to chlorinated hydrocarbons.</p> <p>Nonflammable</p> <p>Use at room temperature.</p>
Specification	AMS 1375B
Application	<p>Apply a thick layer with ACC paint stripper pump, specially manufactured for this purpose.</p> <p>Leave the remover enough time to attack the coating.</p> <p>Re activate with stiff brushes.</p> <p>Clean mixture of ACC 1100 and coating with high pressure water.</p>
Toxicity and Hazard	<p>Before use always refer to MATERIAL SAFETY DATA SHEET for precautionary, handling and first aid information.</p> <p>Protective clothing, made from solvent resistant materials, must be worn when working with this paint remover.</p> <p>May cause eye and skin irritation.</p> <p>Avoid exposure to high concentrations of vapor.</p> <p>Use with adequate ventilation.</p> <p>Do not use where ignition sparks may occur because of hazardous gasses.</p> <p>Be careful when opening containers to avoid spurting of contents.</p> <p>Dispose of ACC 1100 mix with paint residues per applicable regulations. Refer to MATERIAL SAFETY DATA SHEET for additional disposal information.</p>
Storage	Store in closed container at temperatures between 5- 35°C.
Shelf life/Packing	12 Months/ 25 KG Pail

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SMI, Inc.

12219 SW 131 Avenue
Miami, Florida 33186-6401 USA

Phone: (305) 971-7047
Fax: (305) 971-7048

Attn: Rein Statema
Airchem Consumables
Jebel Ali Free Zone
P.O. Box 261503
Dubai, United Arab Emirates

Date: 25-Jul-2013
SMI/REF: 1301-305

Product: **ACC 1100** (received 28-May-2013)

Dilution: As received

Page 1 of 7

**AMS 1375B
Remover, Paint Epoxy and Polyurethane Paint System**

3.2.2	Consistency	<u>Conforms</u>
3.2.3	Flammability	<u>Conforms</u>
3.2.4	Corrosion of Metal Surfaces	
3.2.4.1	Sandwich Corrosion	<u>Conforms</u>
3.2.4.2	Total Immersion Corrosion	<u>Conforms</u>
3.2.4.3	Low-Embrittling Cadmium Plate	<u>Does not conform</u>
3.2.4.4	Dissimilar Metal Corrosion	<u>Conforms</u>
3.2.5	Hydrogen Embrittlement	<u>Conforms</u>
3.2.6	Storage Stability	
3.2.6.1	Short Term storage stability	
4.5.3.2.1	Cold Cycle	<u>Conforms</u>
4.5.3.2.2	Hot Cycle	<u>Does not conform</u>
4.5.5	Paint Stripping	
Epoxy polyamide system		<u>Discontinued</u>
Aliphatic isocyanate urethane		<u>Discontinued</u>
3.2.6.2	Extended storage stability	<u>Not performed</u>
3.2.7	Paint Stripping Efficiency	
Epoxy polyamide paint system		<u>Conforms</u>
Aliphatic isocyanate urethane system		<u>Conforms</u>
3.2.7.1	Relative Stripping Efficiency	
Epoxy polyamide paint system		<u>Conforms</u>
Aliphatic isocyanate urethane system		<u>Conforms</u>



Client: Airchem Consumables Date: 25-Jul-2013
Product: **ACC 1100** SMI/REF: 1301-305
Dilution: As received
AMS 1375B Page 2 of 7

3.2.8	Rinsability	
	Epoxy polyamide system	<u>Conforms</u>
	Aliphatic isocyanate urethane system	<u>Conforms</u>
3.2.9	Refinishing Properties of Stripped Surfaces	
	Epoxy polyamide system	<u>Conforms</u>
	Aliphatic isocyanate urethane system	<u>Conforms</u>
3.2.10	Volatility	<u>Conforms</u>
3.2.11	Performance	<u>To be Cert. by Mfr.</u>
3.3	Quality	<u>To be Cert. by Mfr.</u>

Respectfully submitted,

Patricia D. Viani, SMI Inc.

PAINT REMOVER (DIP TYPE)

Technical Data Sheet



ACC 1110

Product Group	Paint Remover (dip type)
Description	ACC 1110 removes cured two component epoxy and polyurethane coatings from metal parts by means of dipping.
Characteristics	<p>Ready to use, chemically neutral.</p> <p>In the tank automatically a water seal is formed to avoid evaporation of active solvents.</p> <p>Can be applied on high strength steels.</p> <p>Can be removed by cold water.</p> <p>Not to be applied on substrates sensitive to chlorinated hydrocarbons.</p> <p>Nonflammable</p> <p>Use at room temperature.</p>
Specification	AMS 1378A
Application	<p>Tanks and associated equipment should be made of stainless steel.</p> <p>Immerse the part into ACC 1110 and make sure that it is surrounded by the active fluid. It must pass the water seal completely, to effectively attack the painted part.</p> <p>Remove parts and clean with high pressure cold water.</p> <p>Maintain seal layer at 10% by volume.</p> <p>Seal is maintained by addition of tap water.</p> <p>Heavy use may also require addition of solvent.</p>
Toxicity and Hazards	<p>Before use always refer to MATERIAL SAFETY DATA SHEET for precautionary, handling and first aid information.</p> <p>Protective clothing, made from solvent resistant materials, must be worn when working with this paint remover.</p> <p>May cause eye and skin irritation.</p> <p>Avoid exposure to high concentrations of vapor.</p> <p>Use with adequate ventilation.</p> <p>Do not use where ignition sparks may occur because of hazardous gasses.</p> <p>Be careful when opening containers to avoid spurting of contents.</p> <p>Dispose of ACC 1110 mix with paint residues per applicable regulations. Refer to MATERIAL SAFETY DATA SHEET for additional disposal information.</p>
Storage	Store in closed containers at temperatures 5- 35°C.
Shelf life/Packing	12 Months/ 25 KG Pail

Notice

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TDS 1110 – 02/13



SMI, Inc.

12219 SW 131 Avenue
Miami, Florida 33186-6401 USA

Phone: (305) 971-7047
Fax: (305) 971-7048

Attn: Rein Statema
Airchem Consumables
Jebel Ali Free Zone
P.O. Box 261503
Dubai, United Arab Emirates

Date: 15-Jun-2016

SMI/REF: 1603-797

Product: **ACC 1110 (Lote LA23/16)** (received 04-Apr-2016)

Dilution: As received

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**AMS 1378A
COMPOUND, CARBON SOIL AND PAINT REMOVER
Aircraft Turbine Engine Components
Room Temperature Application**

3.1	COMPOSITION	<u>Informational</u>
3.2	PROPERTIES	
3.2.1	Stock Loss	<u>Conforms</u>
3.2.2	Corrosion	<u>Conforms</u>
3.2.3	Biodegradability	<u>To be Cert. by Vendor</u>
3.2.4	Storage Stability	<u>Not performed</u>
3.2.5	Stress-Corrosion of Titanium Alloys	<u>Conforms</u>
3.2.6	Hydrogen Absorption	<u>Conforms</u>
3.2.7	Performance	<u>Not performed</u>
3.3	Quality	<u>Conforms</u>

Respectfully submitted,

Patricia D. Viani, SMI Inc.

PAINT REMOVER (TANK TYPE)

Technical Data Sheet



ACC 1111

Product Group

Paint Remover (Tank Type)

Description

ACC 1111 removes cured two component epoxy and polyurethane coatings from ferrous and non-ferrous parts by means of dipping.

Characteristics

Amber, Di-phase liquid

Does not contain sodium chromate and free acidic or alkaline constituents

Ready to use, no mixing or dilution is required.

Safe on high strength steels.

Not to be applied on substrates sensitive to chlorinated hydrocarbons.

Nonflammable.

Use at room temperature.

Comes with build-in seal.

Seal is maintained by adding tap water

Easy to rinse with High pressure, high volume cold water

Specification

Boeing D6-17487

Corrosion requirements of MIL PRF 83936C

Application

Tanks and associated equipment should be made of stainless steel.

Immerse the part into ACC 1111 and make sure that it is below seal level surrounded by the active fluid.

Allow sufficient time for stripper to loosen the paint

Remove parts and clean with high pressure cold water.

Maintain seal layer at 10% by volume.

Seal is maintained by addition of tap water.

Heavy use may also require addition of solvent.

Toxicity and Hazards

Before use always refer to [MATERIAL SAFETY DATA SHEET](#) for precautionary, handling and first aid information.

Contains methylene chloride, phenol and chromic acid

Protective clothing, made from solvent resistant materials, must be worn when working with this paint remover.

May cause eye and skin irritation.

Avoid exposure to high concentrations of vapor.

Use with adequate ventilation.

Do not use where ignition sparks may occur because of hazardous vapor.

Containers exposed to moderate heat, above 32°C may develop internal pressure.

Be careful to open containers to avoid spurting of contents.

Dispose of ACC 1111 mix with paint residues per applicable regulations. Refer to [MATERIAL SAFETY DATA SHEET](#) for additional disposal information.

Storage

Store in closed containers at temperatures 5- 25°C.

Shelf life/Packing

24 Months/ 25 KG Pail and 220 kg drum

Notice

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SMI, Inc.

12219 SW 131 Avenue
Miami, Florida 33186-6401 USA

Phone: (305) 971-7047
Fax: (305) 971-7048

Attn: Monney Javadi
Airchem Consumables FCZO
Jebel Ali Free Zone
P.O. Box 261503
Dubai, United Arab Emirates

Date: 23-Feb-2018

SMI REF: 1712-435

Product: **ACC 1111 (Lot# 712093)** (received 16-Jan-2018)

Dilution: As received

Page 1 of 3

**BOEING D6-17487, Revision T
Table I: Requirements for Paint Strippers**

Sandwich Corrosion Test	<u>Conforms</u>
Immersion Corrosion Test	<u>Conforms</u>
Hydrogen Embrittlement Test	<u>Conforms</u>

Respectfully Submitted,

Patricia D. Viani, SMI Inc.



SMI, Inc.

12219 SW 131 Avenue
Miami, Florida 33186-6401 USA

Phone: (305) 971-7047
Fax: (305) 971-7048

Attn: Monney Javadi
Airchem Consumables FCZO
Jebel Ali Free Zone
P.O. Box 261503
Dubai, United Arab Emirates

Date: 23-Feb-2018
SMI REF: 1712-435

Product: **ACC 1111 (Lot# 712093)** (bi-phase material, agitated immediately prior to use)
(received 16-Jan-2018)

Mfr.'s Recommended Operating Temperature: 35°C (95°F)

Partial testing in accordance with

MIL-PRF-83936C (USAF)

REMOVER, PAINT, TANK TYPE; FOR AIRCRAFT WHEELS,
LANDING GEAR COMPONENTS,
AND OTHER AIRCRAFT AND SUPPORT EQUIPMENT

4.4.3 Corrosion: Two specimens, 2 x 4 inches shall be prepared from each of the metals listed in Table II. Each specimen shall be weighed to the nearest 0.1 mg, placed singly in suitable glass jars at approximately a 45° angle, and completely covered with the paint remover. The jars shall be loosely capped with screw-type cap and placed in a suitable conditioning chamber at the manufacturer's recommended operating temperature, for a total exposure period of 24 hours. At the end of the exposure period, the specimens shall be removed from the conditioning chamber and thoroughly rinsed with tap water. The specimens shall then be thoroughly rinsed with a suitable solvent, oven dried at 375°F for one hour, desiccated for one-half hour, and re-weighed to the nearest 0.1 mg. Pitting etching, or weight changes exceeding the limits of Table II shall be cause for rejection.

Test temperature: 35°C (95°F)

Table II.

METAL	SURFACE TREATMENT	ALLOWABLE WGT CHG.	RESULTS ² (per 2"x4" panel)
Aluminum ASTM B209 (2024-T3)	As received	± 4.0 mg	+ 0.6 mg
Aluminum ASTM B209 (2024-T3)	MIL-8625, Type II Class I	- 4.0 mg ¹	+ 3.2 mg
Magnesium AMS 4377	MIL-M-3171 Type III	± 20.0 mg	2.1 mg
Steel AMS 5046	As received	± 4.0 mg	0.9 mg
Steel AMS 5046	Mil-STD-870 Type II Class I Cadmium Plated	± 40.0 mg	11.8 mg

¹It is unclear if the intent of the requirement is to allow a weight loss or a weight gain. It is therefore assumed that the requirement refers to weight change (± 4.0 mg).

² In "RESULTS" column, "+" indicates a weight gain.

Result _____ Conforms _____

Respectfully submitted,


Patricia D. Viani, SMI Inc.

SCIENTIFIC MATERIAL INTERNATIONAL
www.smiinc.com



ACC 1115

Product Group

Paint remover – Hot dip tank application

Description

ACC 1115, is a diphase liquid paint stripper to be used in hot-dip tank. ACC 1115 removes resistant coatings such as polyurethane, acrylic, epoxy and chromitized primer and aluminized silicon.

Characteristics

Doesn't contain chromates, chlorinated solvents or acids.

It contains non-aqueous seal to delay evaporation of active ingredients

Easy to rinse

Long lasting

Easily removes multiple coating layers

Safe on Aeronautic metals such as aluminum, titanium, magnesium, cadmium, conversion treatments, and ferrous alloys.

Specification

MIL-PRF-83936B Amend 2

Application

Tanks and associated equipment should be made of stainless steel.

Parts to be cleaned should be degreased to prevent contamination of the paint stripper tank.

Fill the tank with ACC 1115 and heat up to 75-80°C.

Dip the parts into ACC 1115 and make sure they are completely submerged below the seal layer.

Maintain bath temperature and keep parts immersed for 15 min-1 hour depending on the different paints and their thickness.

Remove the parts, let them drip for a short while and rinse with pressurized water or with steam.

Maintain the bath efficiency according to what is stated in the control method.

Toxicity and Hazards

Before use always refer to **MATERIAL SAFETY DATA SHEET** for precautionary, handling and first aid information.

Protective clothing, made from solvent resistant materials, must be worn when working with this paint remover.

Do not use where ignition sparks may occur

May cause eye and skin irritation.

Be careful to open containers to avoid spurting of contents.

Avoid exposure to high concentrations of vapor.

Dispose of ACC 1115 mix with paint residues per applicable regulations. Refer to **MATERIAL SAFETY DATA SHEET** for additional disposal information.

Use with adequate ventilation.

Storage

Store containers at a temperature between 5- 30°C.

Shelf life/Packing

12 Months / 25 KG Pail

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ACC 1120

Product Group	Paint remover
Description	ACC 1120 removes cured two component epoxy and polyurethane coatings.
Characteristics	<p>Activated by hydrogen peroxide.</p> <p>Can be used on most metal parts.</p> <p>Can be used on titanium and high strength steel.</p> <p>Do not use on magnesium and cadmium parts.</p> <p>Low waste disposal costs.</p> <p>Works well on vertical and overhead areas.</p>
Specification	AMS 1377, Boeing D6-17487 Rev. R
Application	<p>Wash the aircraft using ACC 2200 or ACC 2220 in order to get clean, dirt and grease free surface.</p> <p>Apply ACC 1120 by ACC ASP pump and leave a layer with 5 mm thickness. The layer should be homogeneous and evenly dispersed all over the surface.</p> <p>Allow the paint remover to react with paint for 2-10 hours /In case of old painting system, let paint stripper lay on surface for longer period of time.</p> <p>Clean with high pressure cold water. Repeat the same steps for spots removing.</p> <p>Use a soft bristle or a scraper to remove the loosen paint from surface.</p>
Toxicity and Hazards	<p>Before use always refer to MATERIAL SAFETY DATA SHEET for precautionary, handling and first aid information.</p> <p>Protective clothing, made from solvent resistant materials, must be worn when working with this paint remover.</p> <p>May cause eye and skin irritation.</p> <p>Avoid exposure to high concentrations of vapor.</p> <p>Use with adequate ventilation.</p> <p>Be careful when opening containers to avoid spurting of contents.</p> <p>Dispose of ACC 1120 mix with paint residues per applicable regulations. Refer to MATERIAL SAFETY DATA SHEET for additional disposal information.</p>
Storage	Store containers at a temperature between 5– 35°C.
Shelf life/Packing	9 Months / 25 KG Pail

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SMI, Inc.

12219 SW 131 Avenue
Miami, Florida 33186-6401 USA

Phone: (305) 971-7047
Fax: (305) 971-7048

Attn: Rein Statema
AirChem Consumables FCZO
Jebel Ali Free Zone
P.O. Box 261503
Dubai, United Arab Emirates

Date: 08-Jul-2013

SMI/REF: 1303-478

Product: **ACC 1120**(received 28-May-2013)

Dilution: As received

Page 1 of 4

**BOEING D6-17487, Revision R
(May 14, 2010)
Table I: Requirements for Paint Strippers**

Sandwich Corrosion Test	<u>Conforms</u>
Immersion Corrosion Test	<u>Does not conform</u>
Hydrogen Embrittlement Test	<u>Conforms</u>
Alloy Steel Surface Corrosion Test	<u>Does not conform</u>

Respectfully Submitted,

Patricia D. Viani, SMI Inc.



SMI, Inc.

12219 SW 131 Avenue
Miami, Florida 33186-6401 USA

Phone: (305) 971-7047
Fax: (305) 971-7048

Attn: Rein Statema
AirChem Consumables FCZO
Jebel Ali Free Zone
P.O. Box 261503
Dubai, United Arab Emirates

Date: 08-Jul-2013
SMI/REF: 1303-478

Product: **ACC 1120**(received 28-May-2013)

Dilution: As received

Page 1 of 5

AMS 1377
Remover,

Paint Epoxy and Polyurethane Paint System Non-Chlorinated Solvent

3.2 PROPERTIES

3.2.1	Consistency	<u>Does not conform</u>
3.2.2	Flash Point	<u>Informational</u>
3.2.3.	Corrosion of Metal Surfaces	
3.2.3.1	Sandwich Corrosion	<u>Conforms</u>
3.2.3.2	Total Immersion Corrosion	<u>Does not conform</u>
3.2.3.3	Low Embrittling Cadmium Plate	<u>Does not conform</u>
3.2.4	Hydrogen Embrittlement	<u>Conforms</u>
3.2.5	Storage Stability	
3.2.5.1	Short-Term Storage Stability	<u>Does not conform</u>
3.2.5.2	Extended Storage Stability	<u>Not performed</u>
3.2.6	Paint Stripping Efficiency	
	Epoxy polyamide paint system	<u>Conforms</u>
	Aliphatic isocyanate urethane paint system	<u>Conforms</u>
3.2.7	Rinsability	<u>Conforms</u>
3.2.8	Refinishing Properties of Stripped Surfaces	<u>Conforms</u>
3.2.9	Volatility	<u>Conforms</u>
3.2.10	Performance	<u>Conforms</u>

Respectfully submitted,

Patricia D. Viani, SMI Inc.

ACC 1140

Product Group	Paint remover
Description	ACC 1140 removes epoxy and p.u.-based coatings effectively.
Characteristics	<p>Activated by hydrogen peroxide.</p> <p>Low smell.</p> <p>Can be used on titanium and high strength steel.</p> <p>Do not use on magnesium and cadmium surface.</p> <p>Improved stripping action.</p> <p>Can be treated on site (see MSDS).</p> <p>Works very well on vertical and overhead surfaces.</p>
Specification	TT-R-2918, TYPE 1
Application	<p>Wash the aircraft using ACC 2200 or ACC 2220.</p> <p>After drying apply a uniform coat of ACC 1140 with a non-atomizing spray gun.</p> <p>Allow sufficient time for ACC 1140 to activate the stripping process.</p> <p>Process time depends on temperature and thickness of the coating system to be removed.</p> <p>After visible action remove the residue with plastic scrapers.</p> <p>Apply ACC 1140 again on not affected areas and repeat procedure.</p> <p>Clean with high pressure water.</p>
Toxicity and Hazards	<p>Before use always refer to MATERIAL SAFETY DATA SHEET for precautionary, handling and first aid information.</p> <p>Protective clothing, face shield or goggles and gloves, solvent resistant, must be worn during working.</p> <p>NIOSH approved respirators equipped with mechanical filters should be worn to protect against vapors.</p> <p>Be careful when opening containers to avoid spurting of contents.</p> <p>Use adequate ventilation.</p> <p>May cause eye and skin irritation.</p> <p>Dispose of ACC 1140 mix with paint residues per applicable regulations. Refer to MATERIAL SAFETY DATA SHEET for additional disposal information.</p>
Storage	Store containers at a temperature between 5-35 °C.
Shelf life/Packing	12 Months/ 25 KG Pail

Notice

The provided information in this document is given in good faith and based on our current knowledge. It is indicative information only and never binding. It must on no account be used as a substitute for necessary preliminary tests that must ensure the suitability of our product.

TDS 1140 – 10/15



SMI, Inc.

12219 SW 131 Avenue
Miami, Florida 33186-6401 USA

Phone: (305) 971-7047
Fax: (305) 971-7048

Attn: Marcel Zegger
Airchem Consumables B.V.
P.O. Box 2
2170 AA Sassenheim
Meer en Duin 311, 2163 HE Lisse
The Netherlands

Date: 20-Dec-2017

SMI/REF: 1708-174

Product: **ACC 1140 (Lot# 709001)** (received 06-Oct-2017)

Dilution: As received

Page 1 of 6

Partial testing in accordance with:

TT-R-2918A

REMOVER, PAINT, NO HAZARDOUS AIR POLLUTANTS (HAPs)

Type I: For removal of epoxy primer/polyurethane topcoat and flexible polyurethane primer/polyurethane topcoat coating (paint) systems

3.3	Compositional Limitations	To be Cert. by Mfr.
3.3.1	Paint remover pH level	<u>Not performed per client's request</u>
3.3.2	Water Content and Alkalinity (Type I only)	<u>Informational</u>
3.4	Flashpoint	<u>Does not conform</u>
3.5	Consistency	<u>Conforms</u>
3.6	Viscosity	<u>Conforms</u>
3.7	Paint Removal	
	3.7.1 Type I	<u>Conforms</u>
	3.7.2 Type II	<u>Not applicable</u>
3.8	Corrosivity	
	3.8.1 Immersion Corrosion	<u>Not performed per client's request</u>
	3.8.2 Sandwich Corrosion	<u>Conforms</u>
	3.8.3 Hydrogen Embrittlement	<u>Conforms</u>
3.9	Accelerated Storage Stability	
	Visual inspection	<u>Conforms</u>
	Viscosity	<u>Conforms</u>
	Paint removal (Type I)	<u>Conforms</u>
3.10	Rinseability	<u>Conforms</u>
3.11	Storage Stability	<u>Not performed</u>
3.12	Workmanship	<u>Conforms</u>

Respectfully submitted,

Patricia D. Viani, SMI Inc.

ACC 1150

Product Group	Paint Remover
Description	ACC 1150 is nonphenolic, nonchromated, acid activated paint remover. ACC 1150 removes cured two component epoxy and polyurethane coatings from metal substrates.
Characteristics	Activated by hydrogen peroxide.
	Ready to use.
	Applied by non- atomizing spray, brush.
	Can be removed with pressurized cold water.
	Not to be applied on high strength steel, magnesium and substrates sensitive to chlorinated hydrocarbons.
	Nonflammable.
	Use at room temperature.
Specification	MIL-R-81903A type II , AMS 1376
Application	Apply a thick layer with ACC paint stripper pump, specially manufactured for this purpose.
	Leave the remover enough time to attack the coating.
	Re activate with stiff brushes.
	Clean mixture of ACC 1150 and coating with high pressure water.
Toxicity and Hazards	Before use always refer to MATERIAL SAFETY DATA SHEET for precautionary, handling and first aid information.
	Protective clothing, made from solvent resistant materials, must be worn when working with this paint remover.
	May cause eye and skin irritation.
	Avoid exposure to high concentrations of vapor.
	Use with adequate ventilation.
	Do not use where ignition sparks may occur because of hazardous gasses.
	Be careful to open containers to avoid spurting of contents.
	Dispose of ACC 1150 mix with paint residues per applicable regulations. Refer to MATERIAL SAFETY DATA SHEET for additional disposal information.
Storage	Store in closed container at temperatures between 5- 25°C.
Shelf life/Packing	12 Months/ 25 KG Pail

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TDS 1150 - 03/16



ACC 1160

Product Group	Paint Remover
Description	ACC 1160, Non-Chromated, Non-Phenolic paint remover, removes cured two component epoxy and polyurethane coatings as well as one component cured coatings from metal
Characteristics	<p>Ready to use, chemically neutral.</p> <p>Applied by non- atomizing spray, brush.</p> <p>Can be applied on high strength steel, cadmium plated steel, magnesium.</p> <p>Can be removed with cold water.</p> <p>Not to be applied on substrates sensitive to chlorinated hydrocarbons.</p> <p>Contains no acid nor phenols.</p> <p>Passes hydrogen embrittlement test ASTM F-519</p> <p>Nonflammable.</p> <p>Use at room temperature.</p>
Specification	<p>DPM # 5649</p> <p>AMS 1375</p>
Application	<p>Apply a thick layer with ACC paint stripper pump, specially manufactured for this purpose.</p> <p>Leave the remover enough time to attack the coating.</p> <p>Re activate with stiff brushes.</p> <p>Clean mixture of ACC 1160 and coating residues with high pressure water.</p>
Toxicity and Hazards	<p>Before use always refer to MATERIAL SAFETY DATA SHEET for precautionary, handling and first aid information.</p> <p>Protective clothing, made from solvent resistant materials, must be worn when working with this paint remover.</p> <p>May cause eye and skin irritation.</p> <p>Avoid exposure to high concentrations of vapor.</p> <p>Use with adequate ventilation.</p> <p>Do not use where ignition sparks may occur because of hazardous gasses.</p> <p>Be careful to open containers to avoid spurting of contents.</p> <p>Dispose of ACC 1160 mix with paint residues per applicable regulations. Refer to MATERIAL SAFETY DATA SHEET for additional disposal information.</p>
Storage	Store in closed container at temperatures between 5- 25°C.
Shelf life/Packing	12 Months/ 25 KG Pail
Notice	

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ACC 1170

Product Group	Paint Remover
Description	ACC 1170 is acid activated paint remover specially developed for removal of epoxy and other hard organic coatings from metal substrates.
Characteristics	<p>Ready to use, chemically hazardous. Before use check MSDS.</p> <p>Applied by non- atomizing spray, brush.</p> <p>May not be applied on high strength steel and magnesium.</p> <p>Can be removed with cold water or steam cleaner.</p> <p>Not to be applied on substrates sensitive to chlorinated hydrocarbons.</p> <p>Nonflammable.</p> <p>Use at room temperature.</p>
Specification	AMS 1376
Application	<p>Apply a thick layer with ACC paint stripper pump.</p> <p>Leave the remover enough time to attack the coating.</p> <p>Re activate with stiff brushes.</p> <p>Clean mixture of ACC 1170 and coating with high pressure water or steam cleaner.</p>
Toxicity and Hazards	<p>Before use always refer to MATERIAL SAFETY DATA SHEET for precautionary, handling and first aid information.</p> <p>Protective clothing, made from solvent resistant materials, must be worn when working with this paint remover.</p> <p>May cause eye and skin irritation.</p> <p>Avoid exposure to high concentrations of vapor.</p> <p>Use with adequate ventilation.</p> <p>Do not use where ignition sparks may occur because of hazardous gasses.</p> <p>Be careful to open containers to avoid spurting of contents.</p> <p>Dispose of ACC 1170 mix with paint residues per applicable regulations. Refer to MATERIAL SAFETY DATA SHEET for additional disposal information.</p>
Storage	Store in closed container at temperatures between 5- 32°C.
Shelf life/Packing	12 Months/ 25 KG Pail
Notice	

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TDS 1170 - 03/16



ACC 2200

Product Group	Cleaner
Description	ACC 2200 is an alkaline cleaner for aircraft exterior and interior surfaces.
Characteristics	Easy to mix with water
	Dip application is possible.
	For use on all aircraft metals and two component coatings.
	Does not affect aluminum.
	No crazing of Plexiglas.
	Nonflammable
Specification	AMS 1526C AMS 1550B
Application	Tanks and associated equipment preferably manufactured of stainless steel.
	Mix 1 part of ACC 2200 with up to 9 parts of water by volume. Stir well.
	Apply by non atomizing spray or mop. Agitate surface with soft bristle.
	For less contaminated surfaces, mix 1 part of ACC 2200 with up to 30 parts of water by volume.
	Clean with high pressure cold water.
	Mix 1 part of ACC 2200 with 10-20 parts of water by volume when applied with foam generator.
	Mix 1 part of ACC 2200 with 50-100 parts of water by volume for interior cleaning.
	Mix 1 part of ACC 2200 with 3-20 parts of water by volume in a dip tank.
	Leave parts in the (ultrasonic) tank for 5-15 minutes at a temperature of 65-80°C.
	Before use always refer to MATERIAL SAFETY DATA SHEET for precautionary, handling and first aid information.
Toxicity and Hazards	Protective clothing, made from alkali resistant materials, must be worn when working with this cleaner.
	May cause eye and skin irritation.
	Avoid exposure to high concentrations of vapor.
	Use with adequate ventilation.
	Do not swallow.
	Be careful when opening containers to avoid spurting of contents.
	Dispose of ACC 2200 mix with dirt residues per applicable regulations. Refer to MATERIAL SAFETY DATA SHEET for additional disposal information.
Storage	Store at a temperature between 5-35°C.
Shelf life/Packing	24 Months/ 25 KG Pail

Notice

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TDS 2200 - 02/13



SMI, Inc.

12219 SW 131 Avenue
Miami, Florida 33186-6401 USA

Phone: (305) 971-7047
Fax: (305) 971-7048

Attn: Rein Statema
Airchem Consumables FCZO
Jebel Ali Free Zone
P.O. Box 261503
Dubai, United Arab Emirates

Date: 01-Oct-2013
SMI/REF: 1303-480

Product: **ACC 2200** (received 14-Aug-2013)

Dilution: As received and 1:2 Page 1 of 3

AMS 1550B
CLEANER, WATER BASE, AIRCRAFT INTERIOR
Hard Surface Materials

3.2 PROPERTIES

3.2.1.1.	Sandwich Corrosion	<u>Conforms</u>
3.2.1.2.	Total Immersion Corrosion	<u>Conforms</u>
3.2.2.	Flash Point	<u>Conforms</u>
3.2.3.	Effect on Transparent Plastics	<u>Conforms</u>
3.2.4.	Effect on Painted Interior Surfaces	<u>Conforms</u>
3.2.5.	Effect on Unpainted Interior Surfaces	<u>Conforms</u>
3.2.6.	Storage Stability	<u>Not performed</u>

Respectfully submitted,

Patricia D. Viani, SMI Inc.

SMI, Inc.

12219 SW 131 Avenue
Miami, Florida 33186-6401 USA

Phone: (305) 971-7047
Fax: (305) 971-7048

Attn: Rein Statema
Airchem Consumables FCZO
Jebel Ali Free Zone
P.O. Box 261503
Dubai, United Arab Emirates

Date: 01-Oct-2013
SMI/REF: 1303-480

Product: **ACC 2200** (received 14-Aug-2013)

Dilution: As received and 1:2 Page 1 of 4

AMS 1526C
Cleaner for Aircraft Exterior Surfaces
Water-Miscible, Pressure-Spraying Type

3.2.1.1.	Sandwich Corrosion	<u>Conforms</u>
3.2.1.2.	Total Immersion Corrosion	<u>Conforms</u>
3.2.1.3.	Low-Embrittling Cadmium Plate	<u>Conforms</u>
3.2.2.	Hydrogen Embrittlement	<u>Conforms</u>
3.2.3.	Flash Point	<u>Conforms</u>
3.2.4.	Effect on Transparent Acrylic Plastics	<u>Conforms</u>
3.2.5.	Effect on Painted Surfaces	<u>Conforms</u>
3.2.6.	Effect on Unpainted Surfaces	<u>Conforms</u>
3.2.7.	Storage Stability	<u>Not performed</u>

Respectfully submitted,

Patricia D. Viani, SMI Inc.



ACC 2201

Product Group	Aircraft Interior Cleaner
Description	ACC 2201 is a concentrated cleaner for all substrates normally used in aircraft interiors.
Characteristics	<ul style="list-style-type: none"> Non crazing to plexiglass Non toxic and non hazardous Improves the paint luster. Non irritating for skin Non flammable Diluted with water No high strength steel embrittling
Specification	AMS 1550B
Application	<ul style="list-style-type: none"> For normal contamination, mix 1 part ACC 2201 to 10-15 parts water by volume. For heavy contamination use more concentrated solution of ACC 2201. Apply with sponge, cloth, soft bristle brush or spray bottle. Wipe surface clean with dry cloth.
Toxicity and Hazards	<ul style="list-style-type: none"> Dispose of ACC 2201 per local, state and regional regulations. Refer to MATERIAL SAFETY DATA SHEET for additional disposal information. Before using this product refer to container label and MATERIAL SAFETY DATA SHEET for additional precautionary, handling and first aid information.
Storage	Store at a temperature between 5 and 35°C.
Shelf life / Packing	24 Months / 25 KG pail

Notice

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SMI, Inc.

12219 SW 131 Avenue
Miami, Florida 33186-6401 USA

Phone: (305) 971-7047
Fax: (305) 971-7048

Attn: Rein Statema
Airchem Consumables FCZO
Jebel Ali Free Zone
P.O. Box 261503
Dubai, United Arab Emirates

Date: 05-Jun-2014
SMI REF: 1403-561

Product: **ACC 2201** (received 19-Mar-2014)

Dilution: As received ("neat") & 1:10 by volume Page 1 of 3

AMS 1550B
CLEANER, WATER BASE, AIRCRAFT INTERIOR
Hard Surface Materials

3.2 PROPERTIES

3.2.1.1.	Sandwich Corrosion	<u>Conforms</u>
3.2.1.2.	Total Immersion Corrosion	<u>Conforms</u>
3.2.2	Flash Point	<u>Conforms</u>
3.2.3	Effect on Transparent Plastics	<u>Conforms</u>
3.2.4	Effect on Painted Interior Surfaces	<u>Conforms</u>
3.2.5	Effect on Unpainted Interior Surfaces	<u>Conforms</u>
3.2.6	Storage Stability	<u>Not performed</u>

Respectfully submitted,

Patricia D. Viani, SMI Inc.



ACC 2210

Product Group	Cleaner
Description	ACC 2210 is an alkaline, yellow cleaner for all metal, plastic and painted surfaces of aircraft.
Characteristics	Easy to mix with water
	Applied by spray or as foam by air injection.
	Nontoxic
	Nonflammable
	Biodegradable
Specifications	AMS 1526C AMS 1550B
Application	Exterior cleaning:
	For general cleaning mix 1 part of ACC 2210 with 9 parts by volume of water.
	For heavy duty cleaning mix 1 part of ACC 2210 with 3 parts by volume of water.
	For very greasy surfaces mix 1 part of ACC 2210 with 3 parts by volume of water. Add 12 parts by volume of ACC 4400.
	Do not allow to dry before rinsing
	Interior Cleaning:
	Mix 1 part of ACC 2210 with 20-50 parts by volume of water.
Apply mixture with spray or mop. Wait for 5-10 minutes, agitate with a brush or mop and rinse before it dries.	
Toxicity and Hazards	Before use always refer to MATERIAL SAFETY DATA SHEET for precautionary, handling and first aid information.
	Protective clothing, made from alkali resistant materials, must be worn when working with this cleaner.
	May cause eye and skin irritation.
	Use with adequate ventilation.
	Do not swallow.
	Be careful when opening containers to avoid spurling of contents.
	Dispose of ACC 2210 mix with dirt residues per applicable regulations. Refer to MATERIAL SAFETY DATA SHEET for additional disposal information.
Storage	Store at a temperature between 5-35°C.
Shelf life/Packing	24 Months/ 25 KG Pail

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SMI, Inc.

12219 SW 131 Avenue
Miami, Florida 33186-6401 USA

Phone: (305) 971-7047
Fax: (305) 971-7048

Attn: Rein Statema
Airchem Consumables FCZO
Jebel Ali Free Zone
P.O. Box 261503
Dubai, United Arab Emirates

Date: 19-Sep-2013
SMI/REF: 1303-480AR

Product: **ACC 2210** (received 14-Aug-2013)

Dilution: As received and 25%

Page 1 of 3

AMS 1550B
CLEANER, WATER BASE, AIRCRAFT INTERIOR
Hard Surface Materials

3.2 PROPERTIES

3.2.1.1.	Sandwich Corrosion	<u>Conforms</u>
3.2.1.2.	Total Immersion Corrosion	<u>Conforms</u>
3.2.2	Flash Point	<u>Conforms</u>
3.2.3	Effect on Transparent Plastics	<u>Conforms</u>
3.2.4	Effect on Painted Interior Surfaces	<u>Conforms</u>
3.2.5	Effect on Unpainted Interior Surfaces	<u>Conforms</u>
3.2.6	Storage Stability	<u>Not performed</u>

Respectfully submitted,

Patricia D. Viani, SMI Inc.



SMI, Inc.

12219 SW 131 Avenue
Miami, Florida 33186-6401 USA

Phone: (305) 971-7047
Fax: (305) 971-7048

Attn:	Rein Statema Airchem Consumables FCZO Jebel Ali Free Zone P.O. Box 261503 Dubai, United Arab Emirates	Date:	19-Sep-2013
		SMI/REF:	1303-480AR

Product: **ACC 2210** (received 14-Aug-2013)

Dilution: As received and 25% Page 1 of 4

AMS 1526C
Cleaner for Aircraft Exterior Surfaces
Water-Miscible, Pressure-Spraying Type

3.2.1.1	Sandwich Corrosion	<u>Conforms</u>
3.2.1.2	Total Immersion Corrosion	<u>Conforms</u>
3.2.1.3	Low-Embrittling Cadmium Plate	<u>Conforms</u>
3.2.2	Hydrogen Embrittlement	<u>Conforms</u>
3.2.3	Flash Point	<u>Conforms</u>
3.2.4	Effect on Transparent Acrylic Plastics	<u>Conforms</u>
3.2.5	Effect on Painted Surfaces	<u>Conforms</u>
3.2.6	Effect on Unpainted Surfaces	<u>Conforms</u>
3.2.7	Storage Stability	<u>Not performed</u>

Respectfully submitted,

Patricia D. Viani, SMI Inc.



ACC 2220

Product Group	Cleaner
Description	ACC 2220 is a heavy duty alkaline cleaner for aircraft exterior surfaces.
Characteristics	Easy to mix with water.
	Safe on Plexiglas
	Does not attack metals or well-bonded painted surfaces.
	No hydrogen embrittlement on high strength steels.
	Nonflammable
Specification	MIL-PRF-85570E TYPE II
Application	Tanks and associated equipment preferably manufactured of stainless steel.
	Mix 10 parts of ACC 2220 with 50-90 parts by volume of clean water. Stir well.
	Apply by non atomizing spray or mop.
	Activate surface with soft bristle.
	Mix 10 parts of ACC 2220 with 90-150 parts of water by volume for less contaminated surfaces.
	Keep surface wet with cleaner.
	Clean with high pressure cold water.
	Mix 10 parts of ACC 2220 with 90 parts of water by volume if application by means of foam generator is required.
	Before use always refer to MATERIAL SAFETY DATA SHEET for precautionary, handling and first aid information.
	Protective clothing, made from alkali resistant materials, must be worn when working with this cleaner.
Toxicity and Hazards	May cause eye and skin irritation.
	Avoid exposure to high concentrations of vapor.
	Use with adequate ventilation.
	Do not take orally.
	Dispose of ACC 2220 mix with dirt residues per applicable regulations. Refer to MATERIAL SAFETY DATA SHEET for additional disposal information.
	Store at a temperature between 5-35°C.
Storage	
Shelf life/Packing	24 Months/ 25 KG Pail

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TDS 2220 - 02/13



SMI, Inc.

12219 SW 131 Avenue
Miami, Florida 33186-6401 USA

Phone: (305) 971-7047
Fax: (305) 971-7048

Attn: Rein Statema Airchem Consumables FCZO Jebel Ali Free Zone P.O. Box 261503 Dubai, United Arab Emirates	Date: 23-Oct-2013 SMI/REF: 1303-481
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Page 1 of 10

Product: **ACC 2220** (received 14-Aug-2013)

Dilution: Per specification (1:14 where indicated)

MIL-PRF-85570E (27 March 2012)
Cleaning Compounds, Aircraft, Exterior
Type II: General Purpose, Non-Solvent

3.1 Qualification
Composition

TABLE I: Performance requirements

Composition pH Non-volatile content Water content Infrared spectrogram Rubber content (Type IV) Solvent content Net weight (Type IA)	<table border="0"> <tr><td style="text-align: right;"><u>Manufacturer Certification</u></td></tr> <tr><td style="text-align: center;">Conforms</td></tr> <tr><td style="text-align: right;"><u>Conforms</u></td></tr> <tr><td style="text-align: center;">Informational</td></tr> <tr><td style="text-align: right;"><u>Informational</u></td></tr> <tr><td style="text-align: center;">Not applicable</td></tr> <tr><td style="text-align: right;"><u>Manufacturer Certification</u></td></tr> <tr><td style="text-align: center;">Not applicable</td></tr> </table>	<u>Manufacturer Certification</u>	Conforms	<u>Conforms</u>	Informational	<u>Informational</u>	Not applicable	<u>Manufacturer Certification</u>	Not applicable	
<u>Manufacturer Certification</u>										
Conforms										
<u>Conforms</u>										
Informational										
<u>Informational</u>										
Not applicable										
<u>Manufacturer Certification</u>										
Not applicable										
Safety and Environmental Toxicity Flash point, Pensky-Martin Biodegradability (Types II and V) Flame extension (Type IA only)	<table border="0"> <tr><td style="text-align: right;"><u>Manufacturer Certification</u></td></tr> <tr><td style="text-align: center;">Conforms</td></tr> <tr><td style="text-align: right;"><u>Not performed</u></td></tr> <tr><td style="text-align: center;">Not applicable</td></tr> </table>	<u>Manufacturer Certification</u>	Conforms	<u>Not performed</u>	Not applicable					
<u>Manufacturer Certification</u>										
Conforms										
<u>Not performed</u>										
Not applicable										
Material Compatibility Sandwich corrosion Cadmium corrosion Total immersion corrosion Hydrogen embrittlement Unpainted surfaces, effect on Painted surfaces, effect on Plastics, effect on Polyimide insulated wire, effect on Abrasiveness (Types III and IV)	<table border="0"> <tr><td style="text-align: right;"><u>Conforms</u></td></tr> <tr><td style="text-align: center;">Conforms</td></tr> <tr><td style="text-align: right;"><u>Does not conform</u></td></tr> <tr><td style="text-align: center;">Conforms</td></tr> <tr><td style="text-align: right;"><u>Conforms</u></td></tr> <tr><td style="text-align: center;">Conforms</td></tr> <tr><td style="text-align: right;"><u>Conforms</u></td></tr> <tr><td style="text-align: center;">Conforms</td></tr> <tr><td style="text-align: right;"><u>Not applicable</u></td></tr> </table>	<u>Conforms</u>	Conforms	<u>Does not conform</u>	Conforms	<u>Conforms</u>	Conforms	<u>Conforms</u>	Conforms	<u>Not applicable</u>
<u>Conforms</u>										
Conforms										
<u>Does not conform</u>										
Conforms										
<u>Conforms</u>										
Conforms										
<u>Conforms</u>										
Conforms										
<u>Not applicable</u>										



Client: Airchem Consumables FCZO
 Product: **ACC 2220**
 Dilution: Per specification (1:14 where indicated)
MIL-PRF-85570E

Date: 23-Oct-2013
 SMI/REF: 1303-481

Page 2 of 10

Table I continued:

Performance

Cleaning efficiency (Type II)	<u>Does not conform</u>
Embedded soil cleaning efficiency (Type III)	<u>Not applicable</u>
Cleaning of vertical surfaces (Type V)	<u>Not applicable</u>
Foaming properties (Types I and II)	<u>Conforms</u>
Consistency (Types IV and V)	<u>Not applicable</u>
Sprayability (Types I and V)	<u>Not applicable</u>
Service evaluation	<u>Not performed</u>
Leakage (Type IA only)	<u>Not applicable</u>

Stability

Appearance	<u>Conforms</u>
Low temperature stability	<u>Conforms</u>
Accelerated storage stability	<u>Does not conform</u>
Storage stability	<u>Not performed</u>

Respectfully submitted,

Patricia D. Viani, SMI Inc.



ACC 2230

Product Group	Cleaner
Description	ACC 2230 is an alkaline aircraft wheel cleaner.
Characteristics	Easy to mix with water.
	Advised in latest Proceco AWW aircraft wheel washer.
	Passes ARP 1755B, Category 10.
	Passes ASTM F-945.
	No hydrogen embrittlement.
	Operate between 30-85°C
Specification	AMS 1537B
Application	Tanks and associated equipment should be made of stainless steel.
	Mix 3-10 parts of ACC 2230 with 100 parts of water by volume.
	Apply by non atomizing spray gun, pressure 20-30Psi.
	Leave it for 2 minutes.
	Clean with high pressure water.
	Mix 5-25 parts of ACC 2230 with 100 parts of water by volume.
	Leave for 5 to 30 minutes in the tank, with fluid agitated.
	Clean with high pressure water.
Toxicity and Hazards	Before use always refer to MATERIAL SAFETY DATA SHEET for precautionary, handling and first aid information.
	Protective clothing, made from alkali resistant materials, must be worn when working with this cleaner.
	May cause eye and skin irritation.
	Avoid exposure to high concentrations of vapor.
	Use with adequate ventilation.
	Do not swallow.
	Dispose of ACC 2230 mix with dirt residues per applicable regulations. Refer to MATERIAL SAFETY DATA SHEET for additional disposal information.
Storage	Store in closed containers at temperature between 5-35°C.
Shelf life/Packing	24 Months/ 25 KG Pail

Notice

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SMI, Inc.

12219 SW 131 Avenue
Miami, Florida 33186-6401 USA

Phone: (305) 971-7047
Fax: (305) 971-7048

Attn: Rein Statema
Airchem Consumables FCZO
Jebel Ali Free Zone
P.O. Box 261503
Dubai, United Arab Emirates

Date: 11-Sep-2013
SMI/REF: 1303-482
Page 1 of 3

Product: **ACC 2230** (received 14-Aug-2013)

Maximum Concentration: 1:4 Maximum Temperature: 85°C
Minimum Concentration: 3:100 Minimum Temperature: 30°C

**AMS 1537B
CLEANER, ALKALINE Hot-Tank Type**

3.2.1	Total Immersion Corrosion	<u>Conforms</u>
3.2.2	Sandwich Corrosion	<u>Conforms</u>
3.2.3	Solubility	<u>Conforms</u>
3.2.4	pH Value	<u>Conforms</u>
3.2.5	Flash Point	<u>Conforms</u>
3.2.6	Cleaning Performance	<u>Does not conform</u>
3.2.7	Storage Stability	<u>Not performed</u>

Respectfully submitted,

Patricia D. Viani, SMI Inc.



ACC 2240

Product Group	Cleaner
Description	ACC 2240 is a concentrated cleaner to remove stain and soils from carpets and fabrics resulting in a fresh look.
Characteristics	Non-staining and fast drying
	Hides unpleasant odors
	Safe on all metals, synthetic and natural fibers that are not affected by water
	Excellent spot remover
Specification	AMS 1630C
Application	Check color stability of the carpet by wiping with clean white cloth.
	Vacuum carpet to remove dust particles.
	First mix 1 part of ACC 2240 with 25 parts of water by volume and apply with a brush on the heavy stained and other affected areas like carpet edges.
	Continue to apply a less concentrated mixture:
	For normal soil mix 1 part of ACC 2240 with 50 parts of water by volume.
	For medium soil mix 1 part of ACC 2240 with 30 parts of water by volume.
	For heavy soil and upholstery cleaning mix 1 part of ACC 2240 with 20 parts of water by volume.
	For faster drying move a stiff bristle brush in one direction over the carpet/fabric.
	Allow several hours to dry through and vacuum.
Toxicity and Hazards	Before use always refer to MATERIAL SAFETY DATA SHEET for precautionary, handling and first aid information.
	May cause eye and skin irritation.
	Do not swallow.
	Dispose of ACC 2240 mix with dirt residues per applicable regulations. Refer to MATERIAL SAFETY DATA SHEET for additional disposal information.
Storage	Store at a temperature between 5-35°C.
Shelf life/Packing	24 Months/ 25 KG Pail

Notice

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TDS 2240 - 04/13



SMI, Inc.

12219 SW 131 Avenue
Miami, Florida 33186-6401 USA

Phone: (305) 971-7047
Fax: (305) 971-7048

Attn: Rein Statema
Airchem Consumables FCZO
Jebel Ali Free Zone
P.O. Box 261503
Dubai, United Arab Emirates

Date: 12-Jun-2014
SMI/REF: 1403-562

Product: ACC 2240 (received 19-May-2014)

Dilution: As received and 1:20

Page 1 of 4

AMS 1630C
CLEANER, CARPET Shampoo Type

3.2.1	Solubility	<u>Conforms</u>
3.2.2	Flash Point	<u>Conforms</u>
3.2.3.1	Sandwich Corrosion	<u>Does not conform</u>
3.2.3.2	Total Immersion Corrosion	<u>Does not conform</u>
3.2.4	Effect on Transparent Plastics	<u>Conforms</u>
3.2.5	Effect on Painted Interior Surfaces	<u>Conforms</u>
3.2.6	Effect on Carpeting	<u>To be Certified by Mfr.</u>
3.2.7	Storage Stability	<u>Not performed</u>
3.3	Quality	<u>Conforms</u>

Respectfully submitted,

Patricia D. Viani, SMI Inc.



ACC 2250

Product Group	Cleaner and deoxidizer
Description	ACC 2250 is an acidic cleaner and deoxidizer for ferrous and non ferrous alloys.
Characteristics	Easy to mix with water
	Suitable to prepare the surface before paint application on aluminum alloys.
	Not suitable on magnesium and high strength steel.
	Easily cleaned with water.
	Removes rust.
Specification	AMS 1384
Application	Tanks and associated equipment preferably manufactured of stainless steel
	Mix 15 parts of ACC 2250 with 100 parts of water by volume for application by means of brush, cloth or spray. Mixture may be heated up to 60°C.
	Mix 25-50 parts of ACC 2250 with 100 parts of water by volume in a tank at room temperature and leave the part for 5-10 minutes in the mixture.
	Mix 5-10 parts of ACC 2250 with 100 parts of water by volume in a tank, heated at 60°C. Leave the part for 3-10 minutes in the mixture.
	Clean the parts with high pressure hot or cold water
Toxicity and Hazards	Before use always refer to MATERIAL SAFETY DATA SHEET for precautionary, handling and first aid information.
	May cause eye and skin irritation because of its acidic contents.
	Protective clothing, made from acid-resistant materials, must be worn when working with ACC 2250.
	Use with adequate ventilation.
	Do not swallow.
	Dispose of ACC 2250 mix with dirt residues per applicable regulations. Refer to MATERIAL SAFETY DATA SHEET for additional disposal information.
Storage	Store at a temperature between 5-35°C.
Shelf life/Packing	24 Months/ 25 KG Pail

Notice

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TDS 2250 - 04/13



ACC 2300

Product Group	Aircraft Exterior Aluminium Polish
Description	ACC 2300 is a medium-heavy duty aircraft polish and cleaner paste. ACC 2300 quickly removes oxide films and corrosion products from aircraft surfaces, and restore aircraft luster.
Characteristics	<ul style="list-style-type: none"> Safe on all aircraft metals Ready to use paste. Nonflammable. Especially effective for cleaning and polishing al-clad aluminum. Excellent for removing exhaust deposits and oxidized paint. Can be used on high strength steel; Will not cause Hydrogen Embrittlement. Both hand polish and mechanical action are possible due to high lubricating properties. Will not leave swirl or scratch marks associated with power buffing.
Specification	Douglas Aircraft Spec DPM-5208 and CSD No.17, AMS 1650C
Application	<ul style="list-style-type: none"> Wash the aircraft first to remove all contaminations. Use soft towel or cloth or power buffer to polish the surface. Change polishing head or cloths frequently to prevent accumulation of removed contaminations.
Toxicity and Hazards	<ul style="list-style-type: none"> Before use always refer to MATERIAL SAFETY DATA SHEET for precautionary, handling and first aid information. ACC 2300 contains petroleum distillate. Protective clothing such as chemical face shield or goggles boots and apron made from solvent resistant neoprene should be worn while using this product May cause eye and skin irritation. Use with adequate ventilation. Do not take orally. Dispose of ACC 2300 mix with dirt residues per applicable regulations. Refer to MATERIAL SAFETY DATA SHEET for additional disposal information.
Storage	Store at a temperature between 5-35°C.
Shelf life/Packing	24 Months/ 10 KG Pail

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ACC 3300

Product Group	Toilet deodorant and disinfectant
Description	ACC 3300 with a pleasant fragrance hides the less acceptable scents in toilets and kills a wide range of bacteria.
Characteristics	<p>Easy to mix with water.</p> <p>Does not attack substrates used in aircraft toilets.</p> <p>Does not cause corrosion nor spots or stains on the substrates.</p> <p>Color shade indicates the concentration of the effective material.</p> <p>Adding the contents of special sachets gives the advised concentration.</p> <p>Leaves no deposits in toilet systems</p>
Specification	AMS 1476C
Application	<p>Mix 1-5 parts of ACC 3300 with 1000 parts of water by volume.</p> <p>Add the mix into the toilet.</p> <p>Mix 10 parts of ACC 3300 with 1000 parts of water by volume when operating in areas with epidemic diseases.</p>
Toxicity and Hazards	<p>Before use always refer to MATERIAL SAFETY DATA SHEET for precautionary, handling and first aid information.</p> <p>Avoid contact with the skin and in case of accidental spillage rinse with water.</p> <p>If swallowed only drink copious amounts of water or milk.</p> <p>Dispose of ACC 3300 per applicable regulations. Refer to MATERIAL SAFETY DATA SHEET for additional disposal information.</p>
Storage	Store at a temperature between 5-35°C.
Shelf life/Packing	12 Months/ 25 KG Pail

Notice

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TDS 3300 - 02/13



SMI, Inc.

12219 SW 131 Avenue
Miami, Florida 33186-6401 USA

Phone: (305) 971-7047
Fax: (305) 971-7048

Attn: Monney Javadi
Airchem Consumables FCZO
Jebel Ali Free Zone
P.O. Box 261503
Dubai United Arab Emirates

Date: 14-Feb-2018

SMI/REF: 1710-263

Product: **ACC 3300** (received 14-Nov-2017)

Dilution: 5% by volume

Page 1 of 10

AMS 1476C
DEODORANT, AIRCRAFT TOILET

3.2.1 Deodorant As Received in Concentrate Form

3.2.1.1	Flash Point	<u>Conforms</u>
3.2.1.2	Color	<u>Conforms</u>
3.2.1.3	Storage Stability	<u>Not performed</u>
3.2.1.4	Environmental Properties	
3.2.1.4.1	Biodegradability	<u>Cert. by Mfr.</u>
3.2.1.4.2	Total Alkalinity or Acidity	<u>Informational</u>
3.2.1.4.3	Chemical Oxygen Demand	<u>Informational</u>
3.2.1.4.4	Biological Oxygen Demand	<u>Informational</u>
3.2.1.4.5	Total Inorganic Phosphate	<u>Informational</u>
3.2.1.4.6	Phenols	<u>Informational</u>
3.2.1.4.7	Heavy Metals	<u>Informational</u>

3.2.2 Deodorant in Diluted Form

3.2.2.1	Viscosity	<u>Conforms</u>
3.2.2.2	Foam Volume	<u>Does not conform</u>
3.2.2.3	Surface Tension	<u>Conforms</u>
3.2.2.4	Waste Material Reactivity	<u>Conforms</u>



Client: Airchem Consumables FCZO
 Product: **ACC 3300**
 Dilution: 5% by volume
 AMS 1476C

Date: 14-Feb-2018
 SMI/REF: 1710-263

Page 2 of 10

3.2.3. Deodorant tested both as Concentrate as defined in 3.2.1 and in diluted form as defined in 8.2, except where indicated

		Concentrate	Dilute
3.2.3.1	pH	<u>11.0</u>	<u>10.9</u>
3.2.3.2	Effect on Unpainted Surfaces	<u>Conforms</u>	<u>Conforms</u>
3.2.3.3	Effect on Painted Surfaces	<u>Conforms</u>	<u>Conforms</u>
3.2.3.4	Effect on Metallic Surfaces		
3.2.3.4.1	Sandwich Corrosion	<u>Conforms</u>	<u>Conforms</u>
3.2.3.4.2	Total Immersion Corrosion	<u>Conforms</u>	<u>Does not conform</u>
3.2.3.5	Temperature Stability	<u>Conforms</u>	<u>Conforms</u>
3.2.3.6	Fabric Stain Test	<u>Informational</u>	<u>Informational</u>
3.2.3.7	Solubility	<u>Conforms</u>	<u>Conforms</u>
3.2.3.8	Effect on Rubber and Plastic Materials		<u>Conforms</u>
3.2.3.8.3	Effect on Polycarbonate Plastics		<u>Conforms</u>
3.2.3.9	Miscibility		<u>Conforms</u>

Respectfully submitted,

Patricia D. Viani, SMI Inc.



ACC 3310

Product Group	Toilet deodorant and disinfectant
Description	ACC 3310 RTU is ready to use liquid with a pleasant fragrance that hides the less acceptable scents in toilets and kills a wide range of bacteria.
Characteristics	Does not attack substrates used in aircraft toilets.
	Does not cause corrosion nor spots or stains on the substrates.
	Color shade indicates the concentration of the effective material.
	Adding the contents of special sachets gives the advised concentration.
Specification	AMS 1476C
Application	Fill your toilet tanks with ACC 3310 RTU.
Toxicity and Hazards	Before use always refer to MATERIAL SAFETY DATA SHEET for precautionary, handling and first aid information.
	Avoid contact with the skin and in case of accidental spillage rinse with water.
	If swallowed only drink copious amounts of water or milk.
	Dispose of ACC 3310 per applicable regulations. Refer to MATERIAL SAFETY DATA SHEET for additional disposal information.
	Store at a temperature between 5-35°C.
Storage	
Shelf life/Packing	12 Months/ Box of 4 X 5 KG

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SMI, Inc.

12219 SW 131 Avenue
Miami, Florida 33186-6401 USA

Phone: (305) 971-7047
Fax: (305) 971-7048

Attn: Monney Javadi
Airchem Consumables FCZO
Jebel Ali Free Zone
P.O. Box 261503
Dubai United Arab Emirates

Date: 14-Feb-2018

SMI/REF: 1710-262

Product: **ACC 3310 RTU** (received 13-Nov-2017)

Dilution: As received

Page 1 of 10

AMS 1476C
DEODORANT, AIRCRAFT TOILET

3.2.1 Deodorant As Received in concentrate form (Per client's request, product tested as received)

3.2.1.1	Flash Point	<u>Conforms</u>
3.2.1.2	Color	<u>Does not conform</u>
3.2.1.3	Storage Stability	<u>Not performed</u>
3.2.1.4	Environmental Properties	
3.2.1.4.1	Biodegradability	<u>Cert. by Mfr.</u>
3.2.1.4.2	Total Alkalinity or Acidity	<u>Informational</u>
3.2.1.4.3	Chemical Oxygen Demand	<u>Informational</u>
3.2.1.4.4	Biological Oxygen Demand	<u>Informational</u>
3.2.1.4.5	Total Inorganic Phosphate	<u>Informational</u>
3.2.1.4.6	Phenols	<u>Informational</u>
3.2.1.4.7	Heavy Metals	<u>Informational</u>

3.2.2 Deodorant in-diluted form (Per client's request, product tested as received)

3.2.2.1	Viscosity	<u>Conforms</u>
3.2.2.2	Foam Volume	<u>Does not conform</u>
3.2.2.3	Surface Tension	<u>Conforms</u>
3.2.2.4	Waste Material Reactivity	<u>Does not conform</u>

S C I E N T I F I C M A T E R I A L I N T E R N A T I O N A L
www.smiinc.com



Client: Airchem Consumables FCZO Date: 14-Feb-2018
 Product: **ACC 3310 RTU** SMI/REF: 1710-262
 Dilution: As received
 AMS 1476C Page 2 of 10

3.2.3 Deodorant tested both as Concentrate as defined in 3.2.1 and in diluted form as defined in 8.2, except where indicated (Per client's request, product tested as received)

		As received	Dilute
3.2.3.1	pH	<u>9.0</u>	<u>Not performed</u>
3.2.3.2	Effect on Unpainted Surfaces	<u>Conforms</u>	<u>Not performed</u>
3.2.3.3	Effect on Painted Surfaces	<u>Conforms</u>	<u>Not performed</u>
3.2.3.4	Effect on Metallic Surfaces		
3.2.3.4.1	Sandwich Corrosion	<u>Conforms</u>	<u>Not performed</u>
3.2.3.4.2	Total Immersion Corrosion	<u>Does not conform</u>	<u>Not performed</u>
3.2.3.5	Temperature Stability	<u>Conforms</u>	<u>Not performed</u>
3.2.3.6	Fabric Stain Test	<u>Informational</u>	<u>Not performed</u>
3.2.3.7	Solubility	<u>Not applicable</u>	<u>Not applicable</u>
3.2.3.8	Effect on Rubber and Plastic Materials	<u>Conforms</u>	
3.2.3.8.3	Effect on Polycarbonate Plastics	<u>Conforms</u>	
3.2.3.9	Miscibility		<u>Not applicable</u>

Respectfully submitted,

Patricia D. Viani, SMI Inc.

AIRCRAFT TOILET DESCALER

Technical Data Sheet



ACC 3320

Product Group	Aircraft toilet descaler
Description	ACC 3320 acidic cleaner removes chalky residues from waste tubes in aircraft toilet systems.
Characteristics	Ready to use liquid.
Specification	AMS 1640C
Application	Add approximately 2 liters of crushed ice to the toilet bowl. Add approximately 2 liters of ACC 3320 to the toilet bowl. Immediately flush the toilet until it is empty. Immediately add 4 liters of water to the toilet bowl. Flush the toilet to remove the cleaner from the toilet. Make sure to flush the toilet immediately after adding the toilet cleaner to the toilet bowl as ACC 3320 is acidic. Do not allow ACC 3320 to affect the structure of the plane.
Toxicity and Hazards	Before use always refer to MATERIAL SAFETY DATA SHEET for precautionary, handling and first aid information. Avoid contact with eyes, skin and clothing. Contains ethylic acid. Do not drink/swallow. Protective clothing such as acid resistant gloves and goggles should be worn when handling this product. Dispose of ACC 3320 per applicable regulations. Refer to MATERIAL SAFETY DATA SHEET for additional disposal information.
Storage	Store at temperatures between 5 - 35°C.
Shelf life/Packing	24 Months/ 1 KG Can – Packed per 12

Notice

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TDS 3320 - 02/13

TOILET DEODORANT AND DISINFECTANT IN SACHET FORM

Technical Data Sheet



ACC 3330

Product Group	Toilet deodorant and disinfectant in sachet form
Description	ACC 3330, a powder with a pleasant fragrance, that hides the less acceptable scents in aircraft toilets and kills a wide range of bacteria.
Characteristics	<p>Easy to mix with water.</p> <p>Non corrosive to metal and plastics.</p> <p>Does not attack substrates used in aircraft toilets.</p> <p>Color shade indicates the concentration of the effective material.</p> <p>Adding the contents of special sachets gives the advised concentration.</p>
Specification	AMS 1476B
Application	Add 100 grams ACC 3330 to 100 liters of water. Stir well
Toxicity and Hazards	<p>Before use always refer to MATERIAL SAFETY DATA SHEET for precautionary, handling and first aid information.</p> <p>Avoid contact with eyes, skin and clothing.</p> <p>Harmful if swallowed.</p> <p>ACC 3330 contains quaternary ammonium compound.</p> <p>Do not swallow.</p> <p>Use with adequate ventilation.</p> <p>Dispose of ACC 3330 per applicable regulations. Refer to MATERIAL SAFETY DATA SHEET for additional disposal information.</p>
Storage	Store at temperatures between 5-35°C.
Shelf life/Packing	24 Months/ 4 KG Bucket (Each Bucket contains 200 x 20 gr/Sachet)

Notice

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TDS 3330 - 02/13



ACC 3340

Product Group	Cabin deodorizer, sanitizer and cleaner
Description	ACC 3340 removes any common type of soil, dirt and grease and kills a wide range of bacteria and dangerous germs as well.
Characteristics	<p>Is a strong deodorizer with a pleasant fragrance</p> <p>Refreshes the air effectively.</p> <p>Safe on all metals and painted areas.</p> <p>Concentrated and very economical.</p>
Specifications	AMS 1550B, Boeing D6-7127
Application	<p>Cleaner and Germicide: Mix 1 part of ACC 3340 with 25-50 parts of preferably hot water by volume.</p> <p>Cleaner-sanitizer: Mix 1 part ACC 3340 with 50 parts hot or cold water by volume.</p> <p>Cleaner-deodorizer: Mix 1 part ACC 3340 with 50 parts hot or cold water by volume.</p> <p>For mopping floors: Mix 1 part ACC 3340 with 50 parts hot or cold water by volume.</p> <p>Apply ACC 3340 mixture to all surfaces by mop or clean cloth. Remove the ACC 3340 mixture and dirt. Let it dry.</p>
Toxicity and Hazards	<p>Before use always refer to MATERIAL SAFETY DATA SHEET for precautionary, handling and first aid information.</p> <p>Avoid contact with eyes.</p> <p>Do not swallow.</p> <p>Dispose of ACC 3340 per applicable regulations. Refer to MATERIAL SAFETY DATA SHEET for additional disposal information.</p>
Storage	Store at temperatures between 5 - 35°C.
Shelf life/Packing	24 Months/ 25 KG pail

Notice

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TDS 3340 - 4/13



SMI, Inc.

12219 SW 131 Avenue
Miami, Florida 33186-6401 USA

Phone: (305) 971-7047
Fax: (305) 971-7048

Attn: Rein Statera
AirChem Consumables FZCO
P.O. Box 261503
Jebel Ali Free Zone
Dubai, United Arab Emirates

Date: 31-Oct-2018

SMI/REF: 1804-733

Product: **ACC 3340 (Batch 18-PR000918)** (received 14-Aug-2018)

Dilution: 1:50 where indicated

Page 1 of 5

Partial testing in accordance with
Boeing D6-7127 Rev P incorporating PDD 6-8 (21 June 12)
CLEANING INTERIORS OF COMMERCIAL
TRANSPORT AIRCRAFT

11.3.1	Sandwich Corrosion	<u>Excluded per client's request</u>
11.3.2	Immersion Corrosion Test	<u>Excluded per client's request</u>
11.3.3	Rubber Test	<u>Conforms</u>
11.3.4	Sealant Test	<u>Conforms</u>
11.3.5	Painted Surface Test	<u>Conforms</u>
11.3.6	Tedlar Surface Test	<u>Conforms</u>
11.3.7	Vinyl Surface Test	<u>Conforms</u>
11.3.8	Fabric and Carpet Test	<u>Conforms</u>
11.3.9	Leather and Naugahyde Test	<u>Conforms</u>
11.3.10	Flash Point Test	<u>Excluded per client's request</u>
11.3.11	Polycarbonate Crazing Test	<u>Conforms</u>

Respectfully submitted,

Patricia D. Viani, SMI Inc.



SMI, Inc.

12219 SW 131 Avenue
Miami, Florida 33186-6401 USA

Phone: (305) 971-7047
Fax: (305) 971-7048

Attn: Rein Statema
AirChem Consumables FZCO
P.O. Box 261503
Jebel Ali Free Zone
Dubai, United Arab Emirates

Date: 31-Oct-2018

SMI/REF: 1804-733

Product: **ACC 3340 (Batch 18-PR000918)** (received 14-Aug-2018)

Dilution: As received and 1:50

Page 1 of 3

Partial testing in accordance with
AMS 1550B
CLEANER, WATER BASE, AIRCRAFT INTERIOR
Hard Surface Materials

3.2 PROPERTIES

3.2.1.1.	Sandwich Corrosion	<u>Excluded per client's request</u>
3.2.1.2.	Total Immersion Corrosion	<u>Excluded per client's request</u>
3.2.2	Flash Point	<u>Excluded per client's request</u>
3.2.3	Effect on Transparent Plastics	<u>Conforms</u>
3.2.4	Effect on Painted Interior Surfaces	<u>Conforms</u>
3.2.5	Effect on Unpainted Interior Surfaces	<u>Conforms</u>
3.2.6	Storage Stability	<u>Not performed</u>

Respectfully submitted,

Patricia D. Viani, SMI Inc.

ACC 4400

Product Group	Dry cleaning solvent
Description	ACC 4400 is an alternative for white spirits.
Characteristics	Can be used on all aircraft metals.
	Can be used as a dry cleaning solvent for textile materials.
	Flash point: over 68°C
	Boiling range: 188-200°C
Specification	MIL-PRF-680C Type II
Application	Use as received.
	Apply to metal surfaces, using clean cloths, prior to surface treatments.
	Change cloth frequently.
	Remove residues with clean cloth.
Toxicity and Hazards	Before use always refer to MATERIAL SAFETY DATA SHEET for precautionary, handling and first aid information.
	Dispose of ACC 4400 per applicable regulations. Refer to MATERIAL SAFETY DATA SHEET for additional disposal information. Storage
Storage	Store containers at temperatures between 5-35°C.
Shelf life/Packing	24 Months/ 19 KG Pail

Notice

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TDS 4400 - 02/13



ACC 4410

Product Group	Solvent cleaner
Description	ACC 4410 is an alternative to MEK
Characteristics	<p>Non-corrosive to ferrous and nonferrous metals.</p> <p>Very suitable for removal of oil affected areas.</p>
Specification	AMS 1525D
Application	<p>Use as received.</p> <p>Apply to metal surfaces, using clean cloths, prior to surface treatments.</p> <p>Keep cloth saturated with ACC 4410.</p> <p>Change cloth frequently.</p> <p>Remove residues with clean cloth.</p>
Toxicity and Hazards	<p>Before use always refer to MATERIAL SAFETY DATA SHEET for precautionary, handling and first aid information.</p> <p>Protective clothing, made from solvent resistant materials, must be worn when working with this solvent</p> <p>May cause eye and skin irritation.</p> <p>Avoid exposure to high concentrations of vapor.</p> <p>Use with adequate ventilation.</p> <p>Do not use where ignition sparks may occur because fire hazards.</p> <p>Be careful when opening containers to avoid spurting of contents.</p> <p>Dispose of ACC 4410 mix with residues per applicable regulations. Refer to MATERIAL SAFETY DATA SHEET for additional disposal information.</p> <p>Do not keep near oxidizing materials.</p>
Storage	Store in closed containers at temperatures between 5-35°C.
Shelf life/Packing	24 Months/ 20 Liter Pail

Notice

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TDS 4410- 02/13

ACC 4420-4

Product Group	Odorless cleaning solvent
Description	ACC 4420-4 is a mixture of aliphatic petroleum solvents and has replaced chlorinated solvents like perchloroethylene, trichloroethylene, methylene chloride, white spirit, aromatic naphtha and similar solvents
Characteristics	<ul style="list-style-type: none"> Very low odor (negligible) Low toxicity and hazards No residue Clear liquid High flash point (53°C) Safe on steel and aluminum alloys, rubber, synthetic rubber and insulating materials. Suitable for use in confined areas with poor ventilation.
Application	<ul style="list-style-type: none"> Use as received. Apply, at room temperature, by dip, spray gun, brush, wipe Change cloth frequently. Remove residues with clean cloth. Can be used in agitated dip tank and ultrasonic equipment as solvent cleaner to clean all kinds of contaminations including greases, waxes, polishes, oils, rust preventives, inks, enamels, etc. from steel, iron, aluminum or other equipment.
Toxicity and Hazards	<ul style="list-style-type: none"> Before use always refer to MATERIAL SAFETY DATA SHEET for precautionary, handling and first aid information. Dispose of ACC 4420-4 per applicable regulations. Refer to MATERIAL SAFETY DATA SHEET for additional disposal information.
Storage	Store containers at temperatures between 5-40°C.
Shelf life/Packing	24 Months/ 25 KG Pail

Notice

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ACC 4420-100

Product Group	Odorless cleaning solvent
Description	<p>ACC 4420-100 is a mixture of special denatured oil hydrocarbon-based solvents without aromatic solvents, sulphur, chlorine, phosphorous, with a low-risk classification. It has fewer raw materials with reduced VOC than conventional solvents.</p> <p>ACC 4420-100 can also be used as a fluxing fluid during finishing and roughing operations.</p> <p>Its low viscosity easily separates chips from cutting and machining areas.</p>
Characteristics	<p>Very low odor (negligible)</p> <p>Low toxicity and hazards</p> <p>High flash point (> 100°C)</p> <p>Suitable for use in confined areas with poor ventilation.</p>
Application	<p>Use as received.</p> <p>Apply, at room temperature, by dip, spray, brush or wipe</p>
Toxicity and Hazards	<p>Before use always refer to MATERIAL SAFETY DATA SHEET for precautionary, handling and first aid information.</p> <p>Dispose of ACC 4420-100 per applicable regulations. Refer to MATERIAL SAFETY DATA SHEET for additional disposal information.</p>
Storage	Store containers at temperatures between 5-40°C.
Shelf life/Packing	24 Months/ 25 KG Pail

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TDS 4420-100 – 12/2018



ACC 5500

Product Group	Aircraft jet engine compressor cleaner
Description	ACC 5500 removes contamination on jet engine compressor.
Characteristics	Easy to mix with water
Specification	MIL-PRF-85704C Type I
Application	<p>The engine compressor cleaning practically can be carried out in two ways, but always follow the instructions as laid down by the manufacturer.</p> <p>Add 0-20% by volume of glycol at freezing conditions.</p> <p>When using pressure pot in rotating engine with starter:</p> <p>Mix 1 part of ACC 5500 with 4 parts of distilled water by volume.</p> <p>Ignite the starter motor and inject the ACC 5500 mix into the compressor air intake.</p> <p>Let the motor run for 60 seconds.</p> <p>Stop the motor and let the mix work for 5 minutes.</p> <p>Again let the motor run for 60 seconds and wait another 5 minutes.</p> <p>Now inject cold demineralized water with motor running for 60 seconds.</p> <p>Stop and leave again for 5 minutes.</p> <p>Finally inject cold demineralized water again for 60 seconds to remove the contaminated solution.</p> <p>When using pressure tank and engine operating:</p> <p>Make sure, that engine has cooled down after shutdown for one hour.</p> <p>Fill pressure tank with a mix of 1 part ACC 5500 with 1 part of water by volume and stir well.</p> <p>Pressurize the tank up to 100 Psi.</p> <p>Follow manufacturers' instructions to connect supply hose to anti icing fitting.</p> <p>Start engine and let it run at 7000 RPM or according manufacturers' instructions.</p> <p>When engine has stabilized, turn on cleaning rig pressure pump and inject the ACC 5500 at 45 psi into engine.</p> <p>When the ACC 5500 solution has passed through the engine, taking approximately 5 minutes, turn off the pump switch and shut off the supply valve.</p> <p>Flush the engine with distilled or demineralized water for approximately 5 minutes.</p> <p>Clear solution of liquids from the engine by increasing RPM for approximately 15 minutes.</p>
Toxicity and Hazards	<p>Before using this product refer to container label and MATERIAL SAFETY DATA SHEET for additional precautionary, handling and first aid information.</p> <p>ACC 5500 contains aromatic hydrocarbons.</p> <p>Avoid contact with eyes, skin and clothing.</p> <p>Do not swallow.</p> <p>Use with adequate ventilation.</p> <p>A NIOSH-approved respirator should be worn during mist conditions.</p> <p>Protective clothing, made from alkali resistant materials, must be worn when working with this product.</p> <p>Do not use ACC 5500 near open flames, cutting torches or welding arcs.</p> <p>Dispose of ACC 5500 per regional regulations. Refer to MATERIAL SAFETY DATA SHEET for additional disposal information.</p>
Storage	Store in closed containers at temperatures between 5-35°C.
Shelf life/Packing	24 Months/ 25 KG Pail

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TDS 5500 - 02/13



SMI, Inc.

12219 SW 131 Avenue
Miami, Florida 33186-6401 USA

Phone: (305) 971-7047
Fax: (305) 971-7048

Attn: Rein Statera
AirChem Consumables FZCO
P.O. BOX # 261503
Jebel Ali Free Zone
Dubai - UAE

Date: 11-Oct-2013

SMI/REF: 1303-485

Product: **ACC 5500** (received 09-Aug-2013)

Dilution: 20 volume percent, where indicated

Page 1 of 9

MIL-PRF-85704C (15 July 1998)
CLEANING COMPOUND, TURBINE ENGINE GAS PATH
Type I: Solvent emulsion cleaner concentrate containing aromatic hydrocarbon solvents for use in starter cranked engine cleaning operations only

3.4 Performance Requirements (Table I)

Volatile Organic Content (VOC)	<u>Conforms</u>
Water content	<u>Not applicable</u>
Non-Volatile Content	<u>Informational</u>
Infrared Spectrogram	<u>Attached</u>
Phenol Content	<u>Conforms</u>
Flashpoint	<u>Conforms</u>
Elemental Content	<u>Does not conform</u>
pH	<u>Conforms</u>
Viscosity	<u>Conforms</u>
Insoluble Matter	<u>Conforms</u>
Cleaning Efficiency	<u>Conforms</u>
Ash Content	<u>Conforms</u>
Titanium Stress Corrosion	<u>Conforms</u>

SCIENTIFIC MATERIAL INTERNATIONAL
www.smiinc.com



Client: AirChem Consumables FZCO
 Product: **ACC 5500**
 Dilution: 20 volume percent, where indicated
 MIL-PRF-85704C Type I

Date: 11-Oct-2013
 SMI/REF: 1303-485

Page 2 of 9

Total Immersion Corrosion	<u>Conforms</u>
Hot Corrosion	<u>Conforms</u>
Sandwich Corrosion	<u>Does not conform</u>
Effect on Painted Surfaces	<u>Conforms</u>
Effect on Silicone Elastomers	<u>Conforms</u>
Effect on Epoxy Adhesives	<u>Conforms</u>
Effect on Acrylic Materials	<u>Does not conform</u>
Emulsibility	<u>Conforms</u>
Rinsibility	<u>Conforms</u>
Hard Water Stability	<u>Conforms</u>
Salt Water Stability	<u>Does not conform</u>
Acid Stability	<u>Conforms</u>
Accelerated Storage Stability	<u>Conforms</u>
Low Temperature Stability	<u>Conforms</u>
Engine Cleaning Performance	<u>To be performed by US Navy</u>
Workmanship	<u>Conforms</u>

Respectfully submitted,

Patricia D. Viani, SMI Inc.

AIRCRAFT JET ENGINE COMPRESSOR CLEANER

Technical Data Sheet



ACC 5510

Product Group	Aircraft jet engine compressor cleaner
Description	ACC 5510 concentrated water-base compressor cleaner, removes contamination on jet engine compressor.
Characteristics	<p>Easy to mix with water.</p> <p>Nonflammable</p> <p>Biodegradable</p>
Specification	MIL-PRF-85704C Type II
Application	<p>The engine compressor cleaning practically can be carried out in two ways, but always follow the instructions as laid down by the manufacturer.</p> <p>Add 0-20% by volume of glycol at freezing conditions.</p> <p>I : use the starter motor to run the engine.</p> <p>Prepare engine in accordance with applicable maintenance manual.</p> <p>Mix 20 parts of ACC 5510 with 100 parts by volume of distilled water.</p> <p>Fill spray tank with mixture.</p> <p>Inject mixture into engine compressor air intake according manufacturers' instruction.</p> <p>After one minute stop engine running and leave the liquid for 15 minutes in the engine.</p> <p>Again inject new solution in the air intake and let the engine run for one minute, stop engine and wait for 15 minutes.</p> <p>Clean with cold demineralized water with the engine running for one minute.</p> <p>Finally after five minutes flash off once more inject water and let the engine run again for 60 minutes.</p> <p>After 5 minutes flush out all residual cleaning residues.</p> <p>II : clean the engine whilst it is running.</p> <p>Prepare engine in accordance with applicable maintenance manual.</p> <p>Mix 20 parts of ACC 5510 with 100 parts by volume of demineralized water.</p> <p>Fill pressure tank and pressurize to 100Psi.</p> <p>Connect supply hose to anti-icing fitting or as directed by engine manufacturer.</p> <p>Let the engine run at RPM specified by the manufacturer.</p> <p>When running stable, switch on the pressure pump and inject the mixture of ACC 5510 and water into the engine at a pressure of 45 Psi.</p> <p>After 15-20 minutes turn off the pump and close the supply valve.</p> <p>In an additional 15 minutes clear all fluids from the engine by increasing the RPM.</p> <p>Repeat the whole procedure if engine is still not in optimal condition.</p>
Toxicity and Hazards	<p>Before use always refer to MATERIAL SAFETY DATA SHEET for precautionary, handling and first aid information.</p> <p>May cause eye and skin irritation.</p> <p>Use with adequate ventilation.</p> <p>Dispose of ACC 5510 mix with dirt residues per applicable regulations. Refer to MATERIAL SAFETY DATA SHEET for additional disposal information.</p>
Storage	Store in closed containers at temperatures between 5-35°C.
Shelf life/Packing	24 Months/ 25 KG Pail

Notice

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TDS 5510 – 02/13



SMI, Inc.

12219 SW 131 Avenue
Miami, Florida 33186-6401 USA

Phone: (305) 971-7047
Fax: (305) 971-7048

Attn: Rein Statema
Airchem Consumables FCZO
Jebel Ali Free Zone
P.O. Box 261503
Dubai, United Arab Emirates

Date: 17-Oct-2013
SMI/REF: 1303-486_R

Product: **ACC 5510** (received 14-Aug-2013)
Dilution: 20 volume percent, where indicated

Page 1 of 9

MIL-PRF-85704C (15 July 1998)

CLEANING COMPOUND, TURBINE ENGINE GAS PATH

Type II: Aqueous cleaner concentrate containing no aromatic hydrocarbon solvents for starter cranked engine cleaning operations only

3.4 Performance Requirements (Table I)

Volatile Organic Content (VOC)	<u>Conforms</u>
Water content	<u>Conforms</u>
Non-Volatile Content	<u>Informational</u>
Infrared Spectrogram	<u>Attached</u>
Phenol Content	<u>Conforms</u>
Flashpoint	<u>Conforms</u>
Elemental Content	<u>Does not conform</u>
pH	<u>Conforms</u>
Viscosity	<u>Conforms</u>
Insoluble Matter	<u>Conforms</u>
Cleaning Efficiency	<u>Conforms</u>
Ash Content	<u>Conforms</u>
Titanium Stress Corrosion	<u>Conforms</u>



Client:	Airchem Consumables FCZO	Date:	17-Oct-2013
Product:	ACC 5510	SMI/REF:	1303-486 _R
Dilution:	20 volume percent, where indicated		
<u>MIL-PRF-85704C Type II</u>		<u>Page 2 of 9</u>	

Total Immersion Corrosion	<u>Conforms</u>
Hot Corrosion	<u>Conforms</u>
Sandwich Corrosion	<u>Conforms</u>
Effect on Painted Surfaces	<u>Conforms</u>
Effect on Silicone Elastomers	<u>Conforms</u>
Effect on Epoxy Adhesives	<u>Conforms</u>
Effect on Acrylic Materials	<u>Conforms</u>
Emulsibility	<u>Conforms</u>
Rinsibility	<u>Conforms</u>
Hard Water Stability	<u>Conforms</u>
Salt Water Stability	<u>Conforms</u>
Acid Stability	<u>Conforms</u>
Accelerated Storage Stability	<u>Conforms</u>
Low Temperature Stability	<u>Conforms</u>
Engine Cleaning Performance	<u>To be performed by US Navy</u>
Workmanship	<u>Conforms</u>

Respectfully submitted,

Patricia D. Viani, SMI Inc.



ACC WS-3

Product Group	Polyurethane waterborne topcoat		
Description	ACC WS-3 is designed for application on different substrates of the aircraft interior. ACC WS-3 is easy to apply, has excellent adhesion, very good scratch and solvent resistance, good stain resistance and is easy to clean. For most areas this product is well suited, if improved performance is required, ACC Hardener AX-42 may be added.		
Characteristics	Appearance	Semigloss, in any color of international standard.	
	Theoretical coverage	18 sqm/L base at thickness of 25 microns.	
	Viscosity RT and RH at 30-70%	40-65 seconds ISO cup 6	
	Pot life when mixed RT and RH at 30-70%	4 hours	
	Drying Times RT and RH 30-70%	Dry to touch	30-60 minutes
		Tack free	1- 2 hours
		Dry hard	8 hours
Mixing Ratio Volume if required	Mix 1 part of ACC Hardener AX-42 to 8 parts of ACC WS-3 by volume, by stirring. Do not use a shaker.		
Specification	BMS 10-83 type VI DPM 5948		
Application Equipment	Any standard suction, pressure pot, HVLP or airless spray. Note: ACC WS-3 can be rolled with a foam roller which makes it easy to achieve a textured finish.		
Cleaning of equipment	Immediately after use clean with water, in a later stage acetone may be used to dissolve residues.		
Shelf life and Packaging (RT)	ACC WS-3 is delivered in 1 quart and 1 gallon kits.		
Health, safety, environment	Use with adequate ventilation and proper respiratory protection. See MSDS for complete details of composition and precautions.		

Notice

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This product is manufactured for AirChem Consumables (ACC)

TDS WS-3 3/16

ACC WP 4004

Product Group

Washprimer

Description

ACC WP 4004 washprimer is designed for use on aircraft aluminium substrates and other equipment in combination with the additional primer **ACC PP 5005** to obtain optimal fillform corrosion resistance.

Characteristics

Application of **ACC WP 4004** replaces the use of Alodine or Alochrome

Appearance	Semigloss, brown/yellow
Theoretical Coverage	At 7-10 microns 8 sqm p/L base
Viscosity mixed RT and RH 30-70%	16-18 seconds AFNOR cup 4 13-16 seconds DIN cup 4 15-17 seconds FORD cup 4
Pot life when mixed RT and RH 30-70%	8 hours
Drying times RT and RH 30-70%	Dust free: 15-20 minutes Dry for next coat: 1.5-2.0 hours Dry to tape: 2-24 hours
Mixing ratio Volume	1:1 with Activator(Hardener) ACC ACT 1004 Stir ACC WP 4004 till uniform liquid. Add Activator (Hardener) ACC ACT 1004 and stir till homogeneous.

Specification

AIMS 04-04-012 (TN 10.113)
BMS 10-72 type V

Surface preparation and application

- Clean the area to be painted with ACC 2220 to remove all contamination.
- Scuff sand with ACC Abrasive pads
- Clean again with ACC 2220.
- Apply a wet coat of mixed ACC WP 4004 resulting in a dry thickness of 7-10 micron.

Application Equipment

- Conventional Air Spray**
Atomizing Air pressure: 43,50 to 72.50 psi
Pot pressure (if applicable): 21 to 29 psi
Tip Size: 1.2 to 1.5 mm (0.046 to 0.059 inch)
- Air Assist Airless, Switch off electrostatic.**
Fluid pressure: 1400 to 1850 psi
Atomizing Air pressure: 43.50 to 72.50 psi
Tip Size: 0.23 to 0.28. mm (0.009 to 0.011 inch)
- HVLP**
Input Air pressure: 21 to 29 psi
Fluid/Pot pressure: 21 to 29 psi
Tip Size: 1.5 to 1.8 mm (0.059 To 0.071 inch)
- Airless**
Fluid pressure: 870 psi to 1450 psi
Tip size: 0.22 to 0.28mm (0.009 to 0.011 inch)

Cleaning of equipment

Use Thinner ACC DIL 5011 or ACC 4400

Shelf life and Packaging

- 24 months from date of manufacturing.
- After opening the tins, it should be used within 2 months.
- ACC WP 4004 is delivered in 5 L cans.

Health, safety, environment

- Use with adequate ventilation and proper respiratory protection.
- See MSDS for complete details of composition and precautions.

HS/GN code: 3208 10 90

HS/GN code for Thinner ACC DIL 5011 = 3814 0090

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ACC PP 5005

Product Group	Polyurethane Primer																														
Description	ACC PP 5005 chromate free polyurethane primer is a high solids, very flexible, easy to sand, anticorrosion primer with high chemical resistance.																														
Characteristics	<p>On aluminum substrates ACC PP 5005 should be applied on top of ACC WP 4004, but it can also be sprayed directly on composite materials as a spray filler.</p> <table border="1"> <tr> <td>Appearance</td> <td>Standard grey, colors on request</td> </tr> <tr> <td>Theoretical Coverage</td> <td>At 25 -30 microns: 20-22 sqm p/L base.</td> </tr> <tr> <td>Viscosity mixed at RT and RH 30-70%</td> <td> <table border="1"> <tr> <td>As anti corrosion primer:</td> <td>As spray filler</td> </tr> <tr> <td>17-23 seconds AFNOR cup 4</td> <td>84-100 seconds AFNOR cup 4</td> </tr> <tr> <td>15-19 seconds DIN cup 4</td> <td>65-72 seconds DIN cup 4</td> </tr> <tr> <td>15-21 seconds FORD cup 4</td> <td>78-88 seconds FORD cup 4</td> </tr> </table> </td> </tr> <tr> <td>Pot life when mixed RT and RH 30-70%</td> <td>2 hours</td> </tr> <tr> <td>Drying Times RT and RH 30-70%</td> <td> <table border="1"> <tr> <td>As anti corrosion primer</td> <td>As spray filler</td> </tr> <tr> <td>Dust free: 20 minutes</td> <td>Dust free: 20 minutes</td> </tr> <tr> <td>Dry for next coat: 1hour</td> <td>Dry for next coat: 1hour</td> </tr> <tr> <td>Dry to tape: 3 hours</td> <td>Dry to sand: 3-4 hours</td> </tr> <tr> <td></td> <td>Dry to tape: 3 hours</td> </tr> </table> </td> </tr> <tr> <td>Mixing Ratio Volume</td> <td> <p>As anti corrosion primer: Mix 4 parts of ACC PP 5005 with 1 part of Activator(Hardener) ACC ACT 1001, stir well and add 1 part Thinner ACC DIL 5020 Stir till homogeneous.</p> <p>As spray filler: Mix 4 parts of ACC PP 5005 with 1 part of Activator(Hardener) ACC ACT 1001, stir well till homogeneous</p> </td> </tr> </table>	Appearance	Standard grey, colors on request	Theoretical Coverage	At 25 -30 microns: 20-22 sqm p/L base.	Viscosity mixed at RT and RH 30-70%	<table border="1"> <tr> <td>As anti corrosion primer:</td> <td>As spray filler</td> </tr> <tr> <td>17-23 seconds AFNOR cup 4</td> <td>84-100 seconds AFNOR cup 4</td> </tr> <tr> <td>15-19 seconds DIN cup 4</td> <td>65-72 seconds DIN cup 4</td> </tr> <tr> <td>15-21 seconds FORD cup 4</td> <td>78-88 seconds FORD cup 4</td> </tr> </table>	As anti corrosion primer:	As spray filler	17-23 seconds AFNOR cup 4	84-100 seconds AFNOR cup 4	15-19 seconds DIN cup 4	65-72 seconds DIN cup 4	15-21 seconds FORD cup 4	78-88 seconds FORD cup 4	Pot life when mixed RT and RH 30-70%	2 hours	Drying Times RT and RH 30-70%	<table border="1"> <tr> <td>As anti corrosion primer</td> <td>As spray filler</td> </tr> <tr> <td>Dust free: 20 minutes</td> <td>Dust free: 20 minutes</td> </tr> <tr> <td>Dry for next coat: 1hour</td> <td>Dry for next coat: 1hour</td> </tr> <tr> <td>Dry to tape: 3 hours</td> <td>Dry to sand: 3-4 hours</td> </tr> <tr> <td></td> <td>Dry to tape: 3 hours</td> </tr> </table>	As anti corrosion primer	As spray filler	Dust free: 20 minutes	Dust free: 20 minutes	Dry for next coat: 1hour	Dry for next coat: 1hour	Dry to tape: 3 hours	Dry to sand: 3-4 hours		Dry to tape: 3 hours	Mixing Ratio Volume	<p>As anti corrosion primer: Mix 4 parts of ACC PP 5005 with 1 part of Activator(Hardener) ACC ACT 1001, stir well and add 1 part Thinner ACC DIL 5020 Stir till homogeneous.</p> <p>As spray filler: Mix 4 parts of ACC PP 5005 with 1 part of Activator(Hardener) ACC ACT 1001, stir well till homogeneous</p>
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Mixing Ratio Volume	<p>As anti corrosion primer: Mix 4 parts of ACC PP 5005 with 1 part of Activator(Hardener) ACC ACT 1001, stir well and add 1 part Thinner ACC DIL 5020 Stir till homogeneous.</p> <p>As spray filler: Mix 4 parts of ACC PP 5005 with 1 part of Activator(Hardener) ACC ACT 1001, stir well till homogeneous</p>																														
Specification	AMS 3095A																														
Surface preparation and application	<p>As anticorrosion primer Apply one even wet cross coat of ACC PP 5005 directly on ACC WP 4004 within 8 hours.</p> <p>As spray filler Apply ACC PP 5005 in 1-2 uniform coats directly on top of cleaned and sanded composites using ACC 2220 and ACC Abrasive pads.</p>																														
Application Equipment	<p>Conventional Air Spray Atomizing Air pressure: 44 to 72 psi Pot pressure (if applicable): 22 to 36 psi Tip Size: 1.2 to 1.6 mm (0.046 to 0.063 inch)</p> <p>Air Assist Airless, Electrostatic Fluid pressure: 725 to 870 psi Atomizing Air pressure: 44 to 50 psi Tip Size: 0.22 to 0.27 mm (0.011 to 0.013 inch)</p> <p>HVLP Input Air pressure : 21 to 29 psi Fluid/Pot pressure: 21 to 29 psi Tip Size: 1.5 to 1.8 mm (0.059 To 0.071 inch)</p> <p>Airless Fluid pressure: 870 psi to 1450 psi Tip size: 0.22 to 0.28mm (0.009 to 0.011 inch)</p>																														
Cleaning of equipment	Use Thinner ACC DIL 5020 or ACC 4400																														
Shelf life and Packaging (RT)	<p>24 months from date of manufacturing. After opening the tins, it should be used within 2 months. ACC PP 5005 is delivered in 4 L cans.</p>																														
Health, safety, environment	<p>Use with adequate ventilation and proper respiratory protection. See MSDS for complete details of composition and precautions.</p>																														

HS/GN code: 3208 10 90

HS/GN code for Thinner ACC DIL 5020 = 3814 0090

Notice

Because we cannot anticipate or control the many different conditions which this information and our products may be used, we do not guarantee the applicability and accuracy of this information or the suitability of our products in any given situation. Users of our products should make their own tests to determine the suitability of each product for their particular purposes.



ACC UHS PT 6006

Product Group	Ultra High Solids Polyurethane Topcoat	
Description	ACC UHS PT 6006 is designed for the protection and decoration of the aircraft exterior. ACC UHS PT 6006 is easy to apply, has excellent UV and abrasive resistance and may be polished if needed after full cure.	
Characteristics	Appearance	High gloss, semigloss and matt in any color of international standard.
	Theoretical coverage	At 25-35 microns: 20 m/L BASE.
	Viscosity mixed RT and RH 30-70%	17-31 seconds AFNOR cup 4 17-27 seconds DIN cup 4 15-25 seconds FORD cup 4
	Pot life when mixed RT and RH 30-70%	2 hours
	Drying Times RT and RH 30-70%	Dust free 15-25 minutes Dry for next coat 15-45 minutes Dry to tape 3 - 4 hours Dry to fly 48 hours Full cure 7 days
	Mixing Ratio Volume	Mix 4 parts of ACC UHS PT 6006 with 2 part of Activator(Hardener) ACC ACT 1003, stir and add 1 part of Thinner ACC DIL-5020 till homogeneous.

Note: Depending on the mode of application and environmental conditions select correct hardener Activator (Hardener) ACC ACT 1002_Fast; Activator (Hardener) ACC ACT 1003_Standard; Activator(Hardener) ACC ACT 1005_Slow.

Specification	AMS 3095A
Surface preparation and application	Apply two even wet coats on top of the cured ACC PP 5005 that may need a slight treatment with ACC Abrasive pads if drying time has exceeded 8 hours. As it concerns a high solid topcoat the film build up is different from standard topcoats. Attention is required not to apply too much coating to avoid sags and runs.

Application Equipment	Conventional Air Spray Atomizing Air pressure: 45 to 60 psi Pot pressure (if applicable): 10 to 25 psi Tip Size: 1.2 to 1.6 mm (0.046 to 0.063 inch)
	Air Assist Airless, Electrostatic Fluid pressure: 750 to 1250 psi Atomizing Air pressure: 40 to 60 psi Tip Size: 0.22 to 0.27 mm (0.011 to 0.013 inch)
	HVLP Input Air pressure: 10 to 20 Psi Fluid/Pot pressure: 10 to 25 psi, Tip Size: 1,0 to 1,4 mm (0.039 To 0.055 inch)
	Airless Fluid pressure: 870 psi to 1450 psi Tip size: 0.22 to 0.28mm (0.009 to 0.011 inch)

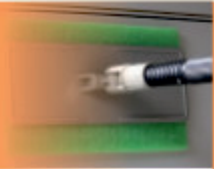
Cleaning of equipment	Use Thinner ACC DIL-5020 or ACC 4400
Shelf life and Packaging (RT)	24 months from date of manufacturing. After opening the tins, it should be used within 2 months. ACC UHS PT 6006 is delivered in 4 L Cans.
Health, safety, environment	Use with adequate ventilation and proper respiratory protection. See MSDS for complete details of composition and precautions.

HS/GN code:3208 10 90

HS/GN code for Thinner ACC DIL 5020 = 3814 0090

Notice

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ACC Abrasive Pads

Product Group	Abrasives
Description	ACC abrasive pads remove soil, paint residues, light corrosion and oxide films.
Characteristics	Clean any surface when moderate abrasive action is required.
	Does not rear or shred.
	Does not leave sandy residues on surfaces.
	Is a base for a smooth finish on metal surfaces.
Specification	MIL-A-9962 A, Type I
Application	Soak the pad in solvent, water, mild acid, alkaline or detergent liquid and rub the surface until smooth finish is obtained.
	Clean the pads with water or suitable solvents.
	Can be used dry as well.
Toxicity and Hazards	Dispose of used ACC ABRASIVE PADS and dirt residues per applicable regulations.
	Do not burn pads as toxic gases may be formed.
Storage	Keep in dry place.
Shelf life/Packing	Unlimited shelf life, Pad size: 6" x 9", Packed per 60 Pads



Notice

The provided information in this document is given in good faith and based on our current knowledge. It is indicative information only and never binding. It must on no account be used as a substitute for necessary preliminary tests that must ensure the suitability of our product. TDS abrasive pads- 04/13



CERTIFICATE

Certificate Number: **2980002**

This is to certify that

Airchem Consumables FZCO

HO + Site1: LOB 10, Office # 10F14, 1st Floor,
Jebel Ali Free Zone, Dubai, UAE

Site 2: Airchem Consumables BV
Meer en Duin 311, 2163 HE Lisse, The Netherlands

Site 3: CMS Logistics Warehouse,
Jebel Ali Free Zone, Dubai, UAE

has implemented and maintains a **Quality Management System**
for its certification structure: **Campus**

Scope : **HO & site 1 at Dubai : Sales, Procurement and Supply of Aircraft
Chemicals and Consumable Materials.**

**Site 2 at Netherlands : Support services for Sales, Procurement and Supply of
Aircraft Chemicals and Consumable Materials.**

Site 3 at CMS Logistics, Dubai : Warehouse

Through an audit, performed in accordance with the requirements of
AS 9104/1 issued 2012-01, and including the implementation, meets the requirements
of the standard:

AS 9120B

(Based on and including ISO 9001:2015)

Quality Management Systems – Requirements for Aviation, Space and Defence
Distributors.

The file that forms the basis of this certificate: **2980002**

Date of Initial Certification : **August 1, 2018**

Date of Current Revision : **August 1, 2018**

Certification Expiry Date : **July 31, 2021**

K.G. Garg

K.G. Garg
Chairman & Chief Executive
NVT QUALITY CERTIFICATION PVT. LTD.
CAP-1, EPIP, Near ITPL,
Whitefield, Bangalore - 560 066
India
website: www.nvtquality.com



NVT Quality Certification is accredited under the control of the AQMS standard certification scheme (ICOP). The method of
operation for quality certification is defined in the NVT Quality Certification General Terms And Conditions For Quality
Management Systems Certifications. Integral publication of this certificate is allowed.

Note: Please verify current validity of certificate from NVT Quality Certification Pvt. Ltd.,



SUPPLEMENTARY MATERIALS

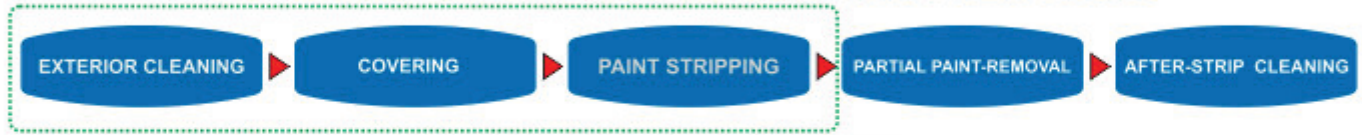




Look Who is Coming to ACC



EMPLOYING NEW GENERATION ENVIRONMENTALLY-ADVANTAGED PAINT REMOVERS



1

EXTERIOR CLEANING

Cleaning the aircraft prior to paint-removal generally yields the most effective and consistent results, and is thus considered an indispensable preliminary step.

Though the use of any appropriate aircraft exterior cleaner may be possible, on top of all we recommend the **ACC 2200** at 10-25% by volume of water.

The prepared solution is then to be applied by spray, mop or brush and then followed by a thorough warm to hot water rinse, in order to prepare the surface for stripping.

At this stage the aircraft surface will have become free of all kinds of physical soil and once totally dry, it is ready for taping and masking.

2

COVERING

Regardless of the type of paint-remover utilized, the sections that require covering should ideally be taped using appropriate non-flying tapes such as the **Permacel P-11** and **P-11 L**.

Some of the importantly sensitive sections to cover in your aircraft include:

- ◆ Windows
- ◆ Composite structures
- ◆ Pitot tube
- ◆ Steel clamps
- ◆ Doors and access ports
- ◆ Wheel well areas
- ◆ Landing gear and struts

However it is vital that any other part of the aircraft providing routes to the interior and particularly that to the engine, be properly covered and protected prior to the Paint-removal process.



3

PAINT STRIPPING

Using a stainless steel/TEFLON lined paint stripper transfer pump fitted with a stainless steel airless spray wand, and a 6510 or 9520 non atomizing tip, apply the first layer of the appropriate paint-stripper (the mist coat) to the aircraft. The appropriate type is to be selected through consulting the manual of the respective aircraft. Recommended approved types, suiting various aircraft requirement include:

- ACC 1100
- ACC 1140

Having applied the mist coat, allow a dwelling time of 30-60 minutes for an initial softening and swelling effect to the paint (signified by bubbles formed on the fuselage), and for facilitating the application of further stripper layers. Afterwards, apply the next full uniform layer of 100-200 microns thickness and allow sufficient time for the remover to work. About an hour before the end of the dwell time, the aircraft surface should be totally agitated with stiff bristly brushes to provide mechanical acceleration and increased efficiency to the process.

The pressure at the nozzle tip of the paint-stripper spraying machine must be approximately 1.5-2 Bars. For paint stripping, start the process from the bottom part of the aircraft and lowest section relative to the horizontal axis of the aircraft, towards both directions, nose and tail. For removal of paint on the surfaces below the wings, apply the stripper on surfaces of the aircraft fuselage at which the wings are attached, as well as to the wingtips.

The last region to undergo the paint-stripping process is the rear section (empennage) of the aircraft, containing the fixed vertical and horizontal stabilizers. Having allowed the stripper on the aircraft fuselage for the required amount of time, ideally the aircraft paint is now essentially chipped and using a squeegee, should be let to descend on the ground. However, if by this stage, the paint removal process is incomplete and unsatisfactory; all the steps mentioned above, with the exception of (mist coat application) have to be repeated until the aircraft paint removal has been effectively accomplished.



EMPLOYING NEW GENERATION ENVIRONMENTALLY-ADVANTAGED PAINT REMOVERS



4

PARTIAL PAINT REMOVAL

Once the aircraft's surface has been predominantly stripped of paint, the partial paint-removal stage is undertaken.

In this stage, any type of residual paint spot is eliminated. Surfaces covered with **Permacel** tapes that need to be stripped of paint are removed. This is mainly done by hand (usually through brush application), and then followed by scrubbing and scraping with

ACC ABRASIVE PAD.

Once stripping is complete, squeegee the stripper residues and paint chips. These are to be pushed on the floor and gathered up in open-top sealable drums for disposal as hazardous waste. For spot paint stripping you may use **ACC 1100**.



5

AFTER-STRIP CLEANING

Finally the aircraft is to be washed again with **ACC 2200** and allowed to dry, if it is not intended for conversion coating and/or corrosion removing.

For this stage, it is first necessary to divide the aircraft into equal and consecutive sections, each of typically 6 meters length (considering available manpower and equipment).

A very crucial and delicate point to consider in this stage is that the cleaning solution must never be let to dry up on the surface!

Apply the cleaning solution relative to the aircraft's horizontal axis, in the direction of the "Crown" and towards the two ends of the aircraft. After the application of cleaning solution, scrape the intended surface thoroughly using heavy duty

ACC ABRASIVE PAD

After scraping, carefully rinse the surface to be cleaned using a high pressure stream of warm water in large quantity.

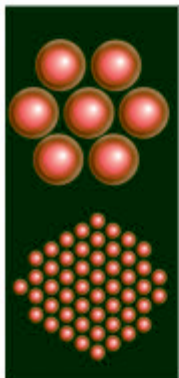
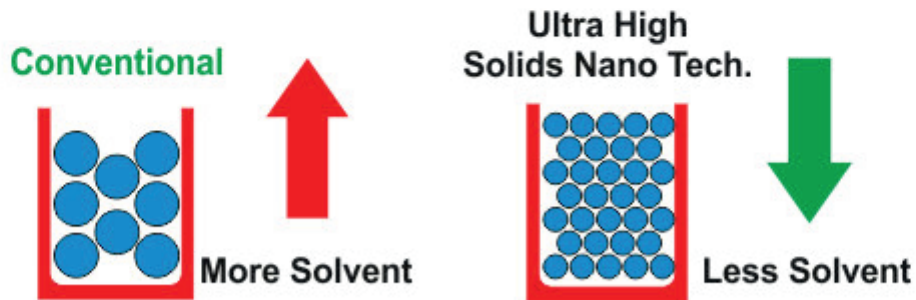
Continue the cleaning process from up to down & vice-versa.





Ultra High Solids Nano Technology Chrome Free Exterior Paint System VS Conventional Coatings

Resin molecular size and bonds.



Resin molecular size

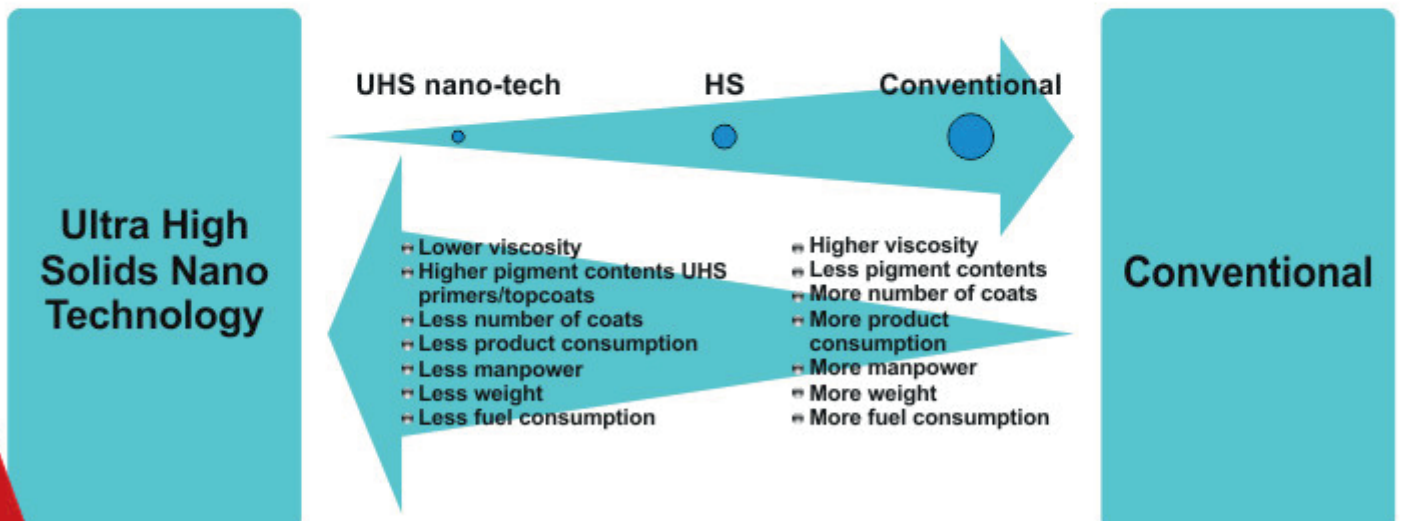
Conventional

- Less molecular net bonds
- Less hiding power
- Less filiform corrosion protection

Ultra High Solids Nano technology

- More molecular net bonds
- More hiding power
- Better filiform corrosion protection

Ultra High Solids Nano Technology





Ultra High Solids Chrome Free Nano Technology Paint System Features:

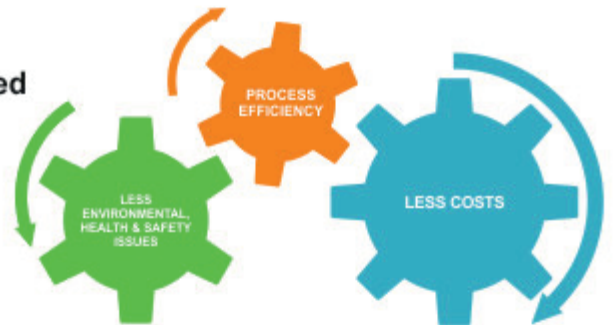
- Highest quality of corrosion protection
- Environmental sustainability
- Cost effectiveness
- Less residual disposal costs than chrome containing materials



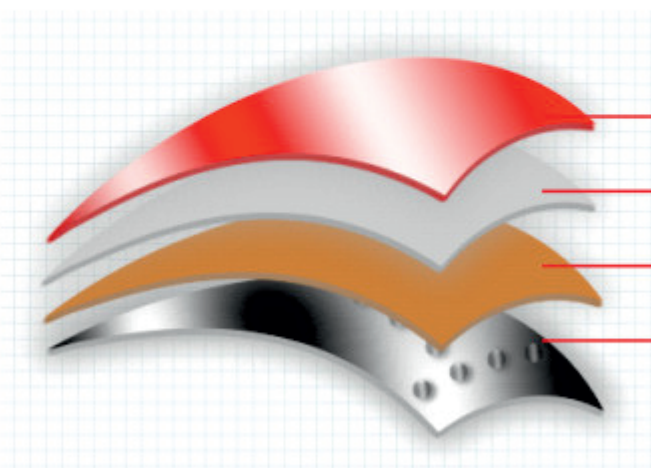
- Non corrosive, Non toxic



- 50% VOC reduction obtained in average compared to conventional chrome containing products.
- Full REACH compliance.
- Less Health and Safety hazards during sanding application due to Chrome Free formulation.



**UHS Chrome Free Paint Scheme
AMS 3095A**



- Direct Gloss Topcoat ACC-UHS-PT-6006
- Chrome Free High Solids Primer ACC-PP-5005
- Wash Primer ACC-WP-4004
- 2024 clad abraded Substrate



UHS Chrome Free Paint Scheme Application

ACC-WP-4004
(switch-off electrostatic)

07 -10 µm 1 coat



ACC-PP-5005

3h for sanding,
1h over-coating time
wet-on-wet 22°C / 60% RH. 25-35 µm ,1 cross coat



ACC-UHS-PT-6006 High Gloss Topcoat
NO INDUCTION TIME REQUIRED

50-60µm in 2 coats
1h between coats

ACC-UHS PT 6006 Fully Conforms to AMS 3095A

New UHS Chrome Free Paint Scheme AMS 3095A requirements

Substrate	implement Test	Conditions	AMS 3095A requirement	Results
2024 clad abraded	Adhesion ISO2409	-	G=0	G=0 PASS
2024 clad abraded	Water resistance ISO2812-2	14 days @ 23°C	G=1 max	G=0-1 PASS
2024 clad abraded	Skydrol resistance ISO1518	30 days @ 23°C	1500g min	> 2000 g PASS
2024 clad abraded	Filiform corrosion EN3665	1000h	3mm max filament from scribe	2- 2,6 mm PASS
2024 clad abraded	Neutral Salt Spray ISO7253	3000h	3mm max creep from scribe	1- 2,5 mm PASS



TOILET SYSTEM CLEANING / SANITIZING PROCESS

Passengers and cabin crew on board of an aircraft may be carriers of intestinal disease. Meticulous cleanliness of aircraft toilets, together with sanitary treatment, handling and disposal of toilet wastes, is therefore of the utmost importance.

Although toilets on modern aircraft incorporate a complex electrical flushing mechanism, a filter and a recirculating or vacuum system - in contrast to the simple portable container on earlier aircraft – they are still basically chemical closets and are provided with retention tanks.

The retention tank without the addition of any chemical would, in effect be a cesspool, simply holding sewage until the contents are discharged at the next airport. If any passenger using the toilet has an intestinal infection, there is a risk that the disease will be transmitted when the toilet tank is emptied. It is therefore advisable to use a chemical compound, which should satisfy the following requirements:

Aircraft Toilet Deodorants

- 1** In the presence of faeces and urine, it should be powerful enough at the recommended concentrations to kill pathogenic organisms within 15 minutes.
- 2** It should prevent the development of faecal and ammoniacal odors for at least 24 hours from the charging of the closet, and itself be free, charged or uncharged with organic matter, of any unpleasant or irritant odor, even at tropical temperatures.
- 3** It should have detergent properties and facilitate the cleaning of the closet after emptying.
- 4** It should be constant in formulation and composition, consistent in performance and stable in storage for 12 months at temperatures ranging between 1°C and 54°C (34°F and 130°F).
- 5** It should not corrode aluminum and its alloys (with or without phenolic finishes) or stainless steel: nor should it craze Perspex, Plexiglas and similar substances. Ideally, the formula should not contain zinc chloride.
- 6** As far as possible, it should not be permanently staining and should be easily washed off.
- 7** It should not irritate the normal human skin and mucous membranes; this is particularly important in tropical climates, where changes of sensitization are greater in susceptible individuals.
- 8** The diluted fluid should prevent the formation of obnoxious or explosive gases from excreta. It should not give rise to explosive or otherwise injurious gases at a pressure of 16.7 kPa (125mmHg) and at a temperature of 27°C (80°F), nor should the fluid have a flash-point lower than 66°C (150°F).
- 9** It should not cause the wastes, when disposed of after normal aircraft usage, to be detrimental to the correct biological working of sewage treatment plants.
- 10** The color of the diluted fluid, which should be distinctive and aesthetically acceptable in appearance, should, at all stages of use as recommended by the manufacturer, be such that other contents of the closet are obscured.
- 11** At the maximum dilution in a fully loaded toilet it should retain its bactericidal properties.



Additional requirements obtained with ACC 3300

- Product does not contain traditional quaternary ammonium compounds that may cause problems in waste water treatment installation due to weak biodegradability.
- No chloride that may cause corrosion on aircraft parts.
- Product not only kills bacteria but has powerful virus killing properties as well.
- The dye in ACC 3300 is not staining and doesn't penetrate through aircraft paint system (no blue streaks).

In-Flight servicing

In-flight additions of the toilet deodorant can be done by using ACC 3330. ACC 3330 is a powder that is packed in 20 mg sachets. This product can also be used for the initial charge when recharging from a vehicle is not possible.

In-Place Cleaning

Normal servicing of retention tanks does not always remove all the accumulated solids from the tanks, the tubes and around the flushing spray rings. It is therefore recommended by OEM that, after draining, the toilets should be filled to capacity with clean water and flushed. In addition, at intervals of 3 months the tanks should be filled with water containing a 1-2% heavy-duty detergent like ACC 3340 Disinfectant. The solution should be left in the system over night, or longer if possible. During this period the mixture should be agitated by operating the flushing mechanism. The tank should be drained and recharged in the normal way.

Above procedure is especially developed for recirculation system and due to the cleaning capabilities of ACC 3300 less critical.

To remove in-place the contaminants and scale in the vacuum waste tubes.

The following procedure is advised:

- Add appr. 2 liters of crushed ice to the toilet bowl.
- Add appr. 2 liters of ACC 3320 to the toilet bowl. Immediately flush the toilet until it is empty.
- Immediately add 4 liters of water to the toilet bowl.
- Flush the toilet to remove the cleaner from the toilet

When above in-place cleaning procedure is followed regularly, the time between overhaul of the toilet system is stretched considerably since scale and waste material will not have a chance to accumulate.

Toilet System Overhaul

Heavy maintenance of the toilet system means complete disassembly and cleaning of the whole unit. As previously mentioned, in order to eliminate the possibility of cross-infection, personnel engaged in toilet maintenance should wear protective clothing. Prior to the disassembly of the toilet bowl, disinfection of the areas around it would be advisable. ACC 3300 is the most powerful product to do this job. Product should be packed in special spray bottles.

The complete toilet system; bowl, tubes, pump, valves, etc. have to be flushed to remove the sludge and the scale that is embedded into the sludge by using ACC 3340, developed for this operation.

Cleaning of Tools

The tools used for disassembly of the toilet system should be thoroughly cleaned and disinfected as well. ACC 3340 in combination with ultrasonic cleaning is the most suitable process for this application.



Germ Free Flying by AirChem

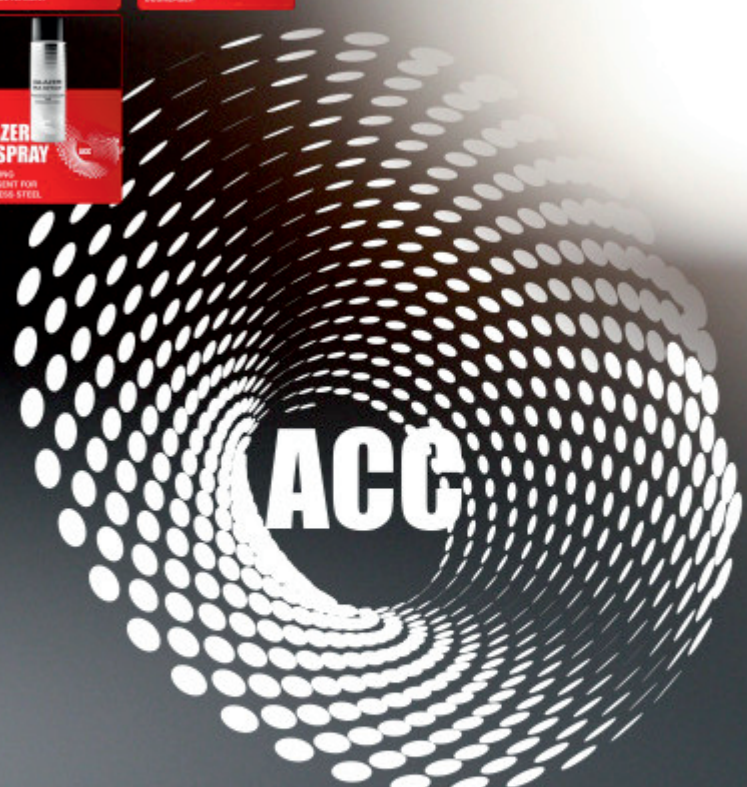


www.acc.ae

www.airchem.eu

Airliners Catering Hygiene

 <p>CARBOFF LIQUID DEGREASER DETERGENT FOR COOKING AND GRILLS</p>	 <p>DETRGEL SANITIZING GEL FOR HANDS</p>	 <p>FRYFIX DECAIMMER FOR FRYING</p>	 <p>OVENICE DEGREASER FOR SELF-CLEANING OVENS</p>	 <p>SCALEOFF GEL DESCALER, DETERGENT, SANITIZER</p>	 <p>SCALEOFF DESCALER AND DEGREASER</p>	 <p>SHEEN SCENTED LOW FOAM DETERGENT FOR HAND SURFACES</p>
 <p>BURNISH EXPANDED LIQUID DEGREASER</p>	 <p>RINSEOUT ACID-BASED FLUOR. ADDITIVE FOR GLASS WASHING</p>	 <p>FRESH HAND LIQUID SCENTED HAND SOAP</p>	 <p>HARD BRIGHT DISINFECTANT DETERGENT FOR HARD SURFACES</p>	 <p>SANTEX ANTIBACTERIAL DISINFECTANT HANDS, AND CLEANER</p>	 <p>TERACLEAN POLYMERIZING CALCIC DETERGENT</p>	 <p>SHINEX CONCENTRATED DISINFECTANT WITH SANITIZING ACTION</p>
 <p>BRIGHT C PHOSPHATE FREE CLORINATED DISINFECTANT DETERGENT</p>	 <p>CLEAN HAND SANITIZING LIQUID HAND SOAP</p>	 <p>DRAIN CLEANER CALCIC DRAIN UNBLOCKER</p>	 <p>GLITTER MHA FREE SCENTED LIQUID DETERGENT</p>	 <p>COFFEE CLEAN CONCENTRATED LIQUID DEGREASER</p>		
 <p>BRIGHT ECO PHOSPHATE FREE CLORINATED DISINFECTANT DETERGENT</p>	 <p>CLEANAID NEUTRAL CONCENTRATED PINE OIL</p>	 <p>DISHINE HAND DISINFECTANT CONCENTRATED DETERGENT</p>	 <p>GLAZER RA SPRAY POLISHING DETERGENT FOR STAINLESS STEEL</p>			
 <p>BRIGHT PHOSPHATE FREE CLORINATED DISINFECTANT DETERGENT</p>	 <p>CIDE BROAD SPECTRUM SELF-CLEANING SURFACE SANITIZER FOR THE FOOD INDUSTRY</p>	 <p>D-FLOOR FORMER DURA CONCENTRATION SURFACE SANITIZER FOR GREENHOUSES</p>				
 <p>GLEAM DETERGENT FOR GLASS AND CRYSTAL SURFACES</p>	 <p>OVENICE TAB DETERGENT & SANITIZING POWDER TABLET FOR SELF-CLEANING OVENS</p>					
 <p>PATINA SANITIZING SCENTED DETERGENT</p>						





Floor Cleaner:

- 1 PATINA
- 2 GLITTER
- 3 TERACLEAN
- 4 D-FLOOR
- 5 SHEEN



RINSE AID:

- 11 RINSEOUT
- 12 CLEANAID



OVEN CLEANER

- 13 OVENICE
- 14 OVENICE TAB



DISHWASHING DETERGENT:

- 6 BRIGHT
- 7 BRIGHT ECO
- 8 BRIGHT HARD
- 9 BRIGHT G
- 10 DISHINE



DEGREASER:

- 15 CARBOFF PLUS
- 16 FRYFIX TAB





SANITIZER:

- 17 SANTEX
- 18 SHINEX
- 19 CIDE



HAND WASHING LIQUID:

- 23 FRESH HAND
- 24 CLEAN HAND
- 25 DETROGEL



ALKALINE CLEANER:

- 20 BURNISH



STAINLESS STEEL CLEANER /POLISH

- 21 GLAZER



GLASS CLEANER:

- 22 GLEAM



COFFEE MACHINE FILTER CLEANER

- 26 COFFEE CLEAN



SCALE REMOVER:

- 27 SCALEOFF
- 28 SCALEOFF GEL



DRAIN CLEANER:

- 29 DRAIN CLEANER





1 PATINA SANITIZING DETERGENT

PATINA is a sanitizing salt-based detergent suitable to clean, deodorize and sanitize communities, working and plant areas. PATINA is particularly effective to eliminate trash deposit odours

PATINA is a neutral liquid, low foaming, rose-coloured, with a pleasant smell.

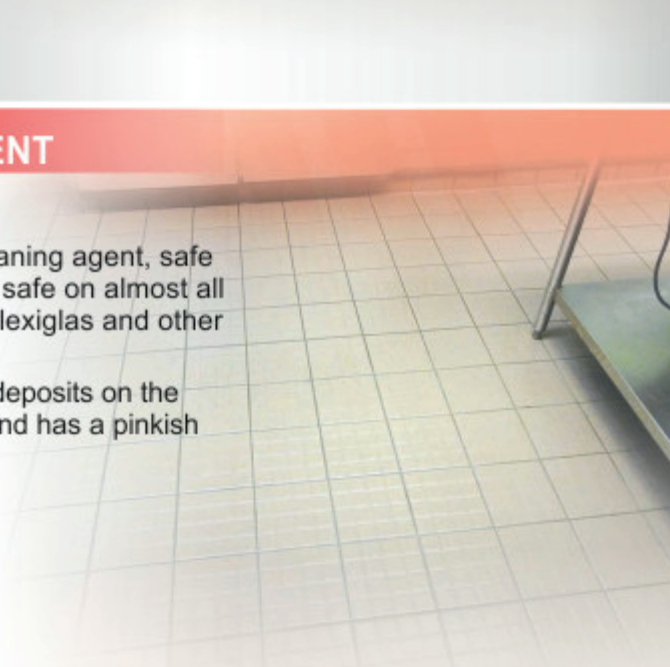
PATINA can be used with mops, towels, wipes or by spray application and is easy to rinse.



2 GLITTER NTA FREE SCENTED LIQUID DETERGENT

GLITTER is a non-flammable water-based concentrated cleaning agent, safe on all unpainted and well cross-linked painted surfaces. It is safe on almost all metal including steel, aluminum alloys and zamak and on Plexiglas and other plastic materials. Should not be used on magnesium.

GLITTER is easy to rinse and leaves no scratches, stains or deposits on the surfaces. It is used diluted with water. It produces little foam and has a pinkish colour with a pleasant smell.



3 TERACLEAN NO-FOAMING DECARBONIZER CAUSTIC DETERGENT

It is a caustic-based concentrated liquid formula, specifically studied to remove carbonate residuals and other residues, as well as particularly strong lime scale. It can be used in the engineering, transport, food industry, etc. to clean greases, annealed oils, scaling, protective films as well as some lacquers and paints.

It is a clear liquid containing caustic substances, organic sequestrants and corrosion.

It can be used by immersion procedure in hot tanks as well as by spraying or circulation equipment, based on the different existing machinery and plants. It can safely be used on iron, steel, stainless steel, bronze and copper. It cannot be used on aluminum and light alloys or zinc alloys.

inhibitors, with low foaming characteristics that allow to use it with washing equipment through spraying devices as well as chain washing booths. It can also be used to clean floor areas with washing and wash-and-dry machines, even because it does not cause pump cavitation. It does NOT contain phosphates.





4 D-FLOOR PERFUMED QUICK EVAPORATION SURFACE SANITIZER FOR SWEEPERS

Perfumed and not foaming self-drying surface sanitizer for sweeper. It leaves no residuals on mechanical pieces and it doesn't produce cavitation. The products has a bactericide action on the residuals left in the reservoir. It contains particular sequester agents, in a calibrated mixture of tension-active anionic and non-ionics, anti-redeposit.

The product can be used on each type of surfaces, varnished or not, tiles, marble, linoleum.

It has been studied for the sweepers use as, with the right dosage, it avoids cavitation in the pumps and eliminate trash deposit odors in the reservoir. It doesn't leave the silicon residuals in the pouring pumps.



5 SHEEN SCENTED LOW-FOAM DETERGENT FOR HARD SURFACES

SHEEN is a yellow liquid, water-based, lightly alkaline, that contains anionic and non-ionic surfactants, anti-deposit agents and penetrating additives for enhanced effectiveness.

It can be safely used on all surfaces, unpainted or painted, all types of fabric and their resistant colours, tiles, marble, linoleum, and furniture. Plastic parts, Plexiglas and artificial leather may be cleaned as well.

SHEEN is a liquid detergent with a pleasant lemon smell for multiple application like cleaning kitchen floors.

SHEEN has a very low foaming index so no need to be rinsed unless specifically necessary.



6 BRIGHT CHLORINATED DISHWASHER DETERGENT

BRIGHT is a light yellow liquid detergent, formulated for dishwashers that have a water softening device.

BRIGHT also contains water softening agents just as precaution in case the softening device malfunctions.

It does not contain phosphates. It can be safely used on all metals that are normally used in the construction of dishwashers and on all flatware and cutlery (colour variations on cheap decorated flatware and cutlery may be noticed).

BRIGHT contains whitening agents that make the removal of tea, coffee and other stubborn stains easier. It has a sanitizing action on all cutlery and flatware as well.

BRIGHT is of particular interest for hospitals, restaurants, hotels, etc., where hygiene is a very important factor.





7 BRIGHT ECO CHLORINATED DISHWASHER DETERGENT

BRIGHT ECO is a chlorinated liquid, alkaline detergent for mechanic washing in tunnel dishwashers or basket dishwashers. BRIGHT ECO is a caustic product specially used in case of particularly visible dirty residues.

BRIGHT ECO contains water softeners, padding agents and free chlorine that has an effective sanitizing action during the washing cycle and preferably it should be used with automated electronic dispensers, allowing an accurate control.

BRIGHT ECO can safely be used on pots, cutlery, etc. It must not be used on aluminum.



8 BRIGHT HARD DETERGENT FOR DISHWASHING MACHINE

BRIGHT HARD it is a light yellow liquid detergent formulated for dishwashing machines.

BRIGHT HARD is suitable to use with hard water and very dirty dishes. BRIGHT HARD is a caustic product with a very high sequestration power that does not contain phosphates, the pH solution @ 1% is >12 and it produces very little foam.

BRIGHT HARD can be used in any kind of dishwashing machine (tunnel, cabinet, etc.) and any kind of dishes and vessels, glassware, pottery.

BRIGHT HARD must not be used on aluminium, galvanized materials and copper alloys.



9 BRIGHT G SPECIAL GLASS WASHER DETERGENT

BRIGHT G is an alkaline chlorinated liquid product, specifically developed to wash glasses, cups, and flatware. It is formulated with caustics, water softeners and chlorinated agents for easy rinsing.

BRIGHT G has a high sanitizing action as well as a high power to remove persistent stains, like coffee and tea stains.

BRIGHT G is used to clean glasses, cups, and flatware.

It can be used in water with a hardness up to 300 mg/L as CaCO₃.





10 DISHINE HAND DISHWASHING CONCENTRATED DETERGENT

DISHINE is a concentrated viscous lemon scented detergent formulated to obtain a strong emulsifying action toward greases.

DISHINE is a neutral liquid and does not contain alkaline substances nor solvents so it may be used in the food industry. It does not leave greasy surfaces and it can be easily rinsed without leaving stains.

DISHINE is recommended for hand degreasing of dishes, cutlery, pottery, vessels, kitchen tops, equipment...



11 RINSEOUT ACID-BASED RINSE ADDITIVE FOR GLASS WASHERS

RINSEOUT is a concentrated product developed as an additive for the final rinse cycle of the glass washers. RINSEOUT is an acid-based detergent with surfactants and adjuvants, with strong anti-foaming features to be used in all those cases where a quick drying of glasses, cups, etc. at the end of the washing cycle is required.

Particularly suitable for use with hard waters*.



12 CLEANAID CONCENTRATED RINSE AID

CLEANAID is a concentrated, blue liquid to be used in a dishwashing machine during final rinsing, especially if stains appear because of hard water.

CLEANAID contains low-foam surfactants, softening components and highly concentrated rinsing agents.





13 OVENICE DEGREASER FOR SELF-CLEANING OVENS

PRODUCT FOR PROFESSIONAL USE ONLY

OVENICE is an alkaline, concentrated degreaser for ovens with automatic cleaning systems. OVENICE may be used for the cleaning of the interior of the oven when hot or cold at the same time, prolonging the life time of the oven.

OVENICE removes stubborn stains including burned grease during a single cycle and it can be used with all the self-cleaning and conventional ovens.



14 OVENICE TAB DETERGENT & SANITIZING POWDER TABLET FOR SELF-CLEANING OVENS

It is a caustic formulation studied for the cleaning phase inside the professional self-cleaning ovens.

It has an energetic decarbonizing action on cooking residues and integrates the cleaning action with the disinfectant one by destroying odors and bacteria.

The tablet must be dissolved in an appropriate way so that it can be effective on the treated areas. For this reason it is recommended a water temperature of at least 85°C to complete its phase of dissolution.



15 CARBOFF PLUS LIQUID DEGREASER DETERGENT FOR OVENS AND GRILLS

CARBOFF PLUS is a liquid detergent formulated to manually remove cooking residuals of sauces, oils, etc. from ovens or grills. It has an effective cleaning and descaling action.

CHARACTERISTICS:

- ⇒ Clear, slightly viscose liquid
- ⇒ NON flammable
- ⇒ Easy to rinse
- ⇒ Completely biodegradable
- ⇒ Caustic

Suitable to clean OVENS, GRILLS, HOT PLATES etc.
It removes dirt and eliminates bad odours.





16 FRYFIX TAB CLEANING TABLETS FOR PROFESSIONAL FRYERS

Cleaning tablets for degreasing and decarbonizing professional fryers and baskets for deep fryers with surfaces in stainless steel.

FRYFIX TAB quickly removes oils and carbonized grease from the fryer surface leaving it cleaned and sanitized.

The sanitizing action avoid the bad odors deposit caused by the bacterial action.

Use it periodically to obtain a stronger action.

It is safe on iron, steel, stainless steel, bronze, copper.

Do not use on aluminum parts.



17 SANTEX DEODORANT, CLEANER & SANITIZER NOT SCENTED

SANTEX is a cleaning, sanitizing and deodorizing agent. SANTEX destroys the source of many annoying odors leaving the air cleaned and safe on all surfaces not in contact with water.

SANTEX can be used on all hard surfaces, equipment of the workplace, in hospitals, restaurants, canteens, schools, factories, food industries, etc.

SANTEX removes in depth, quick and safe, all kinds of dirt, grease, sand, soap deposits and stains and is effective in both hot and cold hard water.



18 SHINEX CONCENTRATED DEGREASER, WITH SANITIZING ACTION

SHINEX is a water based, NTA free, super-concentrated, strong degreaser for general purpose application. SHINEX has a pleasant smell, is non-flammable and combines the cleaning and sanitizing action producing a limited amount of foam.

SHINEX may be used to clean and sanitize all equipment, Plexiglas, unpainted and painted surfaces, and metals, including steel aluminum and in particular stainless steel.

SHINEX is specially developed for use in restaurants, public places, communities, hotels, schools, shelters, etc.

SHINEX removes dirt, dust, oily films, grease, light carbon deposits.

Well rinsed it does not leave scratches, stains or deposits on the surfaces.

Mixed with water disposal and discharge problems are minimized.





19 CIDE BROAD-SPECTRUM SELF-DRYING SURFACE SANITIZER FOR THE FOOD INDUSTRY



CIDE is a liquid formula with quick evaporation to sanitize surfaces and machinery in the food industry. It does not require rinsing.

It is used on surfaces and machinery that have been previously cleaned, but for different reasons have not been used for some time. For example: after a vigorous evening cleaning, it can be used the day after before the first shift starts. It is formulated with multiple active principles working against a big number of microorganisms, pathogen bacteria and not, gram-positive and gram-negative, yeasts, mould/mildew, and its effect is unaffected even when organic dirt is present on the surfaces.

It can be used in the food and beverage industry, as well as for community and common-living areas, in the medical/hospital sector, in farming and industrial areas, in order to sanitize surfaces and machinery such as filling machines, ovens, etc. It can be used on stainless steel, aluminum alloys, copper alloys, nylon, plastic materials, tiled surfaces, cement.

20 BURNISH CONCENTRATED LIQUID DETERGENT

BURNISH is a liquid alkaline detergent with controlled foam formation. Safe on all well-set painted and unpainted surfaces as well as on metals, many plastics like melamine, artificial leather, Plexiglas, etc. Easy to rinse and no residues or stripes deriving from water hardness. BURNISH removes dirt, dust, protective oily film greases, light carbon residues, smog from transportation vehicles, working machine exterior structures, general containers, aluminum panels etc.



21 GLAZER - RA SPRAY POLISHING DETERGENT FOR STAINLESS STEEL

GLAZER is an anti-static spray that is particularly suitable to clean stainless steel but it can also be successfully used on plastic, formica, porcelain, chromium-plated aluminium and silver substrates.

GLAZER is suitable for cleaning and polishing kitchens, refrigerators, doors and interiors of elevators.





22 GLEAM DETERGENT FOR GLASS AND CRYSTAL SURFACES

GLEAM is a liquid alcohol-based detergent developed to clean glass and crystal surfaces that can also be used on steel, stainless steel, painted and laminated surfaces etc.

GLEAM is also used to clean ceramic and lead marble floors and similar surfaces when they are not particularly dirty and a cleaning action without rinsing is required. At the same time it gives back the shiny aspect to the treated surface.

GLEAM eliminates traces of grease, oil, atmospheric dirt, dust, light soot spots, etc.

GLEAM is NOT flammable and has a pleasant smell.

GLEAM evaporates fast. It contains special components to prevent the re-accumulation of dirt and to remove stubborn dirt.



23 FRESH HAND LIQUID SCENTED HAND SOAP

FRESH HAND is a liquid hand wash soap containing a mixture of surfactants, and softeners to condition the skin, ensuring clean and protected hands. It is a neutral product and can be used repeatedly without drying effects on the skin.

FRESH HAND can be used with dispensers to avoid the hygienic handling of promiscuous soap.

FRESH HAND is suitable for restaurants, fast foods, hotels, bars, offices. It is a viscous liquid, pearly white, pleasantly scented.



24 CLEAN HAND SANITIZING LIQUID HAND SOAP

It is liquid hand wash soap with sanitizing action formulated with a calibrated mixture of surfactants, softeners and conditioning the skin, which ensures clean hands and protect them.

It is a neutral product and can be used repeatedly without drying effects on the skin.

It is a viscous liquid, a neutral colored, not scented.

It is used in the Kitchens, Hospitals, and Communities.

It can be used with dispensers that exceed the problem of hygienic handling of promiscuous soap.





25 DETROGEL SANITIZING GEL FOR HANDS

The product is used for fast sanitizing and safe washing hands without rinsing. The product is ready to Use. Spray the product on your hands, rub thoroughly and let dry without rinsing. The above operation ensures a high level of hygiene.



26 COFFEE CLEAN DETERGENT AND DESCALER FOR COFFEE MACHINE FILTERS

PRODUCT FOR PROFESSIONAL USE ONLY

Detergent powder with descaling action designed to remove organic and limestone residuals from coffee machine filters.



27 SCALEOFF INHIBITED DESCALER – DEOXIDIZER

SCALEOFF is a light pink coloured acid liquid, containing inhibitors which prevent the solution from attacking the substrates. It is developed for the removal of calcareous scales. SCALEOFF can be used as a deoxidizer without prior cleaning/degreasing except in case of tenacious grease deposits. SCALEOFF maintains the operation of dissipating equipment, it removes scale from radiators and at the same time deoxidizes metallic surfaces. It can be used by immersion or recirculation, also in vapour generators even at high temperature. SCALEOFF is far less corrosive on steel, brass, copper and the majority of metals compared with muriatic acid and other acid normally used in de-scalers. After SCALEOFF operation parts must be rinsed.





28 SCALEOFF GEL DESCALER, DETERGENT, SANITIZER

It is a viscous and scented product with a triple-action:

- Detergent
- Sanitizing
- Descaling

Formulated to meet with cleaning needs in the toilets of communities public areas, food industries etc., offices to simplify maintenance operations.

It is formulated with buffered acids, surfactants and calibrated sanitizers specifically active towards a broad spectrum of bacteria.

With one step, ACCICAL removes limescale residues, mineral stains, dirt, grease, etc.. and destroys the bacteria that lurk in the dirt.

It is used to clean and descale ceramic, porcelain, glass of toilets and can be used on stainless steel, chrome parts, aluminum parts, showers, etc.



29 DRAIN CLEANER CAUSTIC DRAIN UNCLOGGER

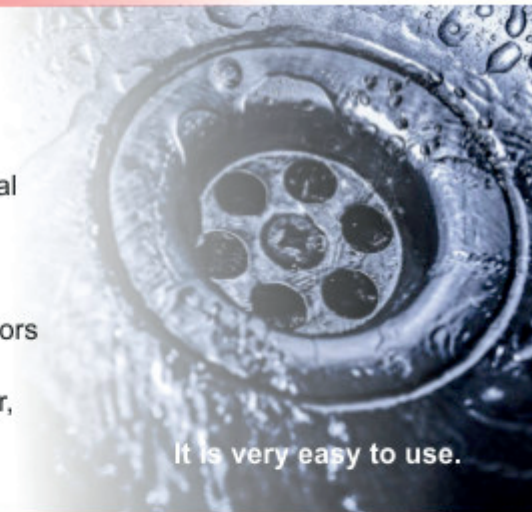
It is a product to unblock obstructed drains of any shape, size or material.

It attacks, dissolves, removes and completely cleans drains from grease, organic deposit, cloths, soap residua, paper residua and many other type of problematic obstructions, reinstating the normal flux of drain liquids.

It's enough to pour the necessary quantity in the drain, following directions and precautions here described.

It is a caustic liquid, with strongly alkaline PH that contains activators and detergents to increase its unclogging speed.

It doesn't in any way damage tubes, connectors, and steel, copper, PVC or rubber accessories that are present in the equipment.



It is very easy to use.





Aircraft Cabin Deodorizer, Sanitizer & Cleaner in Foam Version



ACC 3340
AIRCRAFT CABIN
 Deodorizer, Sanitizer & Cleaner
 in Foam Version



ACC 3340
TOTAL HYGIENE SOLUTION FOR
AIRCRAFT CABIN



ACC 3340 removes any common type of soil, dirt and grease and kills a wide range of bacteria and dangerous germs.
 Strong deodorizer with a pleasant fragrance. Refreshes the air effectively. Safe on all metals and painted areas.

DANGER

Pressurized container: may explode if heated.
 Causes severe skin burns and severe eye damage.
 Harmful to aquatic life with long lasting effects.
 Keep away from heat, sparks, open flames and hot surface - No smoking.
 Do not spray on an open flame or other ignition source.
 Pressurized container: do not pierce or burn, even after use.
 Avoid breathing spray.
 Protect from sunlight.
 Do not expose to temperatures exceeding 50°C/122°F.
 Keep out of the reach of children.
 Wear protective gloves and eye protection.
 Contains 5% by mass of flammable components.
 Contains nonionic surfactant and ethoxylated fat alcohol.



Lifetime: 3 years
 UN 1950

Direction of use:

Shake ACC 3340 well. Spray on the surface to be cleaned & sanitized. Leave it on the surface for 20 seconds then wipe it off with sponge, cloth or soft bristle brush.

AMS 1550B

Boeing D6-7127

AirChem Consumables
 JAFZA 10, 10F14
 P.O.BOX 261503, Jebel Ali FZ, Dubai, UAE
 airacc@acc.ae
 Tel: +971 4 881 8084
 Fax: +971 4 881 6022

Cont. 500 ml **650** e 3

ACC 3340 AIRCRAFT CABIN DEODORIZER, SANITIZER & CLEANER

ACC 3340 removes any common type of soil, dirt and grease and kills a wide range of bacteria and dangerous germs

- Strong deodorizer with a pleasant fragrance
- Refreshes the air effectively
- Safe on all metals and painted areas
- Concentrated and very economical





ACC 2201
Aircraft Interior Cleaner



ACC 2201
Aircraft Interior Cleaner



Directions for use:

Shake **ACC 2201** well before use. Spray on the surface to be cleaned. Leave it on the surface for 20 seconds then wipe it off with sponge, cloth or soft bristle brush.

ACC 2201, effectively cleans all types of dirt from aircraft interior surfaces, seat leather, sidewalls, trays, painted and unpainted areas.

DANGER

Pressurized container: may explode if heated.
Causes severe skin burns and severe eye damage.
Harmful to aquatic life with long lasting effects.
Keep away from heat, sparks, open flames and hot surface - No smoking.
Do not spray on an open flame or other ignition source.
Pressurized container: do not pierce or burn, even after use.
Avoid breathing spray.
Protect from sunlight.
Do not expose to temperatures exceeding 50°C/122°F.
Keep out of the reach of children.
Wear protective gloves and eye protection.
Contains 5% by mass of flammable components and ethoxylated fat alcohol.



Non Flammable

Non crazing to plexiglass
No high strength steel embrittlement
Improves paint lustre and leather look

AMS 1550B

AirChem Consumables

JAFZA 10, 10F14
P.O.BOX 261503, Jebel Ali FZ, Dubai, UAE
airacc@acc.ae
Tel: +971 4 881 8084
Fax: +971 4 881 6022

Lifetime 3 years
UN 1950

Cont. 500 ml 650 e 3

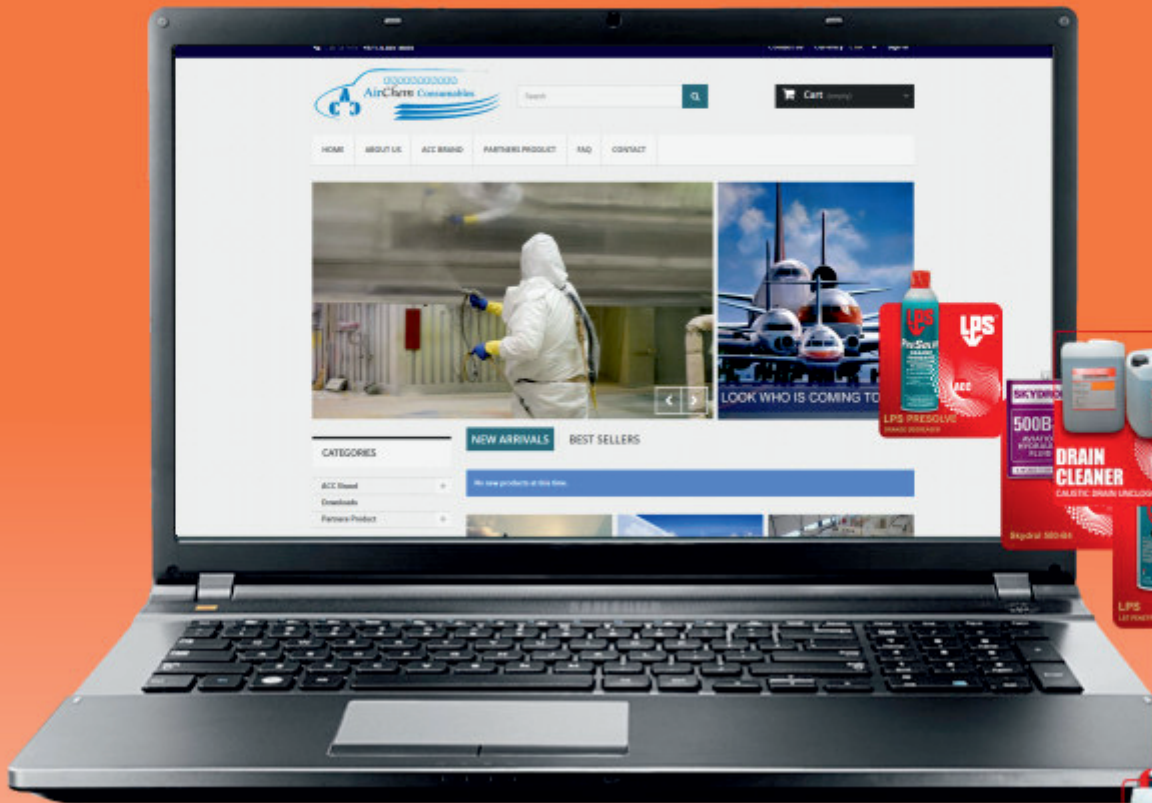
ACC 2201

AIRCRAFT CABIN CLEANER

ACC 2201, effectively cleans all type of dirt from aircraft interior surfaces, seat leather, sidewalls, trays, painted and unpainted areas



More Than Most



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www.aerospace-acc.com



Application Support & Supply Centers

AirChem Consumables Dubai

P.O. Box 261503
LOB10, F12&F14
JAFZ, Dubai, UAE
Tel: +971 4 881 8084
Fax: +971 4 881 6022

www.aerospace-acc.com
Email: airacc@acc.ae

AirChem Consumables Sharjah

P.O. Box 8994
Sharjah International Airport
SAIF Zone, A2-099, Sharjah, UAE
Tel: +971 6 552 8946
Fax: +971 6 566 1226

www.acc.ae
Email: info@acc.ae

AirChem Consumables The Netherlands

P.O. Box 2, 2170 AA
Sassenheim, The Netherlands
Meer en Duin 311,
2163 HE Lisse, The Netherlands
Tel: +31 252 418 688
Fax: +31 252 419 330
www.airchem.eu
Email: info@airchem.eu

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**PAINT
STRIPPER**



**AIRCRAFT
Paint
SYSTEM**



Germ Free Flying



**Aircraft
Exterior
Cleaner**



**AIRCRAFT
HYGIENE**



**Alternative
Solvent
Solution**



AS 9120B:2016 & ISO 9001:2015 Certified Company