

Safety Data Sheet

ACC 5500



Safety Data Sheet dated 11/4/2012, version 1
In compliance with Regulation (EC) 453/2010

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Mixture identification:
Trade name: ACC 5500
Product type: emulsion cleaner

1.2 Relevant identified uses of the substance or mixture and uses advised against

Recommended use:
Washing and cleaning products (including solvent based products)
Uses advised against:
Not available

1.3 Details of the supplier of the safety data sheet

Supplier:
AirChem Consumables, LOB 10, Office # 10F14, JAFZA, Dubai, UAE
Tel: +971-4-881 8084, Fax: +971-4-881 6022, Email: airacc@acc.ae
Competent person responsible for the safety data sheet:

1.4. Emergency telephone number

AirChem Consumables, Tel: +971-4-881 8084, Fax: +971-4-881 6022, Email: airacc@acc.ae

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Directive criteria, 67/548/CE, 99/45/EC and following amendments thereof:

Properties / Symbols:
Carcinogenic category 3
Xn Harmful
Xi Irritant
N Dangerous for the environment

R Phrases:

R36/38 Irritating to eyes and skin.
R40 Limited evidence of a carcinogenic effect.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65 Harmful: may cause lung damage if swallowed.
R66 Repeated exposure may cause skin dryness or cracking.
R67 Vapours may cause drowsiness and dizziness.
R68 Possible risk of irreversible effects.

Adverse physicochemical, human health and environmental effects:

If brought into contact with the eyes, the product causes irritation that may last for over 24 hours, and if brought into contact with the skin it causes significant inflammation with erythema, scabs, and oedema.
The product may present a risk of carcinogenesis.
The product may cause lung damage if swallowed.
Possible risk of irreversible effects.
Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

2.2. Label elements

Directive criteria, 67/548/CE, 99/45/EC and following amendments thereof:



Xn

N

Symbols:
Xn Harmful
N Dangerous for the environment

R Phrases:

R36/38 Irritating to eyes and skin.
R40 Limited evidence of a carcinogenic effect.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65 Harmful: may cause lung damage if swallowed.
R66 Repeated exposure may cause skin dryness or cracking.
R67 Vapours may cause drowsiness and dizziness.
R68 Possible risk of irreversible effects.

S Phrases:

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37 Wear suitable protective clothing and gloves.
S60 This material and its container must be disposed of as hazardous waste.
S62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

Contents:

Aromatic hydrocarbon

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naphthalene

2.3. Other hazards

vPvB Substances: None - PBT Substances: None

Other Hazards:

No other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Hazardous components within the meaning of EEC directive 67/548 and CLP regulation and related classification:

20% - 40% Aromatic hydrocarbon

REACH No.: 01-21194635588-24-XXXX, Index number: 649-424-00-3, CAS: 64742-94-5, EC: 265-198-5

Xn,N; R66-67-40-51/53-65



3.10/1 Asp. Tox. 1 H304



3.6/2 Carc. 2 H351



3.8/3 STOT SE 3 H336



4.1/C2 Aquatic Chronic 2 H411

5% - 10% Triethanolamine

CAS: 102-71-6, EC: 203-049-8

Xi; R36/37/38

5% - 10% 2-butoxyethanol

Index number: 603-014-00-0, CAS: 111-76-2, EC: 203-905-0

Xn,Xi; R20/21/22-36/38



3.3/2 Eye Irrit. 2 H319



3.2/2 Skin Irrit. 2 H315



3.1/4/Oral Acute Tox. 4 H302



3.1/4/Dermal Acute Tox. 4 H312



3.1/4/Inhal Acute Tox. 4 H332

1% - 5% 2-methylpentane-2,4-diol

REACH No.: 01-2119539582-35-XXXX, Index number: 603-053-00-3, CAS: 107-41-5, EC: 203-489-0

Xi; R36/38



3.3/2 Eye Irrit. 2 H319



3.2/2 Skin Irrit. 2 H315

1% - 5% Fatty alcohol (C12-15) ethoxylated

CAS: 68131-39-5

Xi,N; R41-50

1% - 5% naphthalene

Index number: 601-052-00-2, CAS: 91-20-3, EC: 202-049-5

Carc. Cat. 3,Xn,N; R22-40-50/53



3.6/2 Carc. 2 H351



4.1/A1 Aquatic Acute 1 H400



4.1/C1 Aquatic Chronic 1 H410



3.1/4/Oral Acute Tox. 4 H302

1% - 5% Coconut diethanolamide

CAS: 68603-42-9, EC: 271-657-0



Xi; R41-36/38



3.3/2 Eye Irrit. 2 H319

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-  3.2/2 Skin Irrit. 2 H315
-  3.3/1 Eye Dam. 1 H318

For the complete text of the hazard and risk phrases refer to paragraph 16

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.

Wash thoroughly the body (shower or bath).

Remove contaminated clothing immediately and dispose off safely.

After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

Protect uninjured eye.

In case of Ingestion:

Do NOT induce vomiting.

Give nothing to eat or drink.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

If breathing is irregular or stopped, administer artificial respiration.

In case of inhalation, consult a doctor immediately and show him packing or label.

4.2. Most important symptoms and effects, both acute and delayed

None

4.3. Indication of any immediate medical attention and special treatment needed

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:

None

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Water.

Carbon dioxide (CO₂).

Extinguishing media which must not be used for safety reasons:

None in particular.

5.2. Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

5.3. Advice for firefighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

Remove persons to safety.

See protective measures under point 7 and 8.

6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: absorbing material, organic, sand

6.3. Methods and material for containment and cleaning up

Wash with plenty of water.

6.4. Reference to other sections

See also section 8 and 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.

Don't use empty container before they have been cleaned.

Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.

Contaminated clothing should be changed before entering eating areas.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

7.2. Conditions for safe storage, including any incompatibilities

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Keep away from food, drink and feed.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Adequately ventilated premises.

7.3. Specific end use(s)

For more information see Technical data bulletin

None in particular

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Contained substances

Aromatic hydrocarbon - CAS: 64742-94-5

OEL Type: EU - LTE: 50 mg/m³, 10 ppm, 15 ppm - Behaviour: Binding

TLV-TWA: 100 mg/m³, 17 ppm (ACGIH)

2,2',2''-Nitrilotriethanol - CAS: 102-71-6

OEL Type: ACGIH - LTE: 5 mg/m³ - Behaviour: Binding

VLE 8h - VLE short: None

2-butoxyethanol - CAS: 111-76-2

OEL Type: ACGIH - LTE: 96.66 mg/m³, 20 ppm - Behaviour: Binding - Notes: A3.

OEL Type: EU - LTE: 98 mg/m³, 20 ppm - STE: 246 mg/m³, 50 ppm - Behaviour: Binding - Notes: Skin.

VLE 8h - VLE short: None

2-methylpentane-2,4-diol - CAS: 107-41-5

OEL Type: ACGIH - STE: 120.83 mg/m³, 25 ppm - Behaviour: Binding - Notes: Short: C.

VLE 8h - VLE short: None

naphthalene - CAS: 91-20-3

OEL Type: ACGIH - LTE: 52.43 mg/m³, 10 ppm - STE: 78.64 mg/m³, 15 ppm - Behaviour: Binding - Notes: Skin, A4

VLE 8h - VLE short: None

DNEL Exposure Limit Values

Not applicable

PNEC Exposure Limit Values

Not applicable

8.2. Exposure controls

Eye protection:

Use close fitting safety goggles, don't use eye lens.

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Protection for hands:

Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.

Respiratory protection:

Use adequate protective respiratory equipment.

Thermal Hazards:

None

Environmental exposure controls:

None

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance and colour: liquid amber

Odour: solvent

Odour threshold: n.av. mg/m³

pH: 8.5 - 9.5

Melting point / freezing point: n.av. °C

Initial boiling point and boiling range: initial 100 °C

Solid/gas flammability: na

Upper/lower flammability or explosive limits: n.av. % v/v

Vapour density (air=1): > 1

Flash point: 68 °C

Evaporation rate: n.av.

Vapour pressure: 0.8 kPa

Relative density: 0.97 g/ml

Solubility in water: partial-emulsion

Lipid solubility: n.av.

Partition coefficient (n-octanol/water): n.av.

Auto-ignition temperature: n.av. °C

Decomposition temperature: n.av. °C

Viscosity: n.av. mPa.s

Explosive properties: none

Oxidizing properties: none

9.2 Other information

Miscibility: n.av.

Fat Solubility: n.av.

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Conductivity: n.av.
Substance Groups relevant properties: n.av.

SECTION 10: Stability and reactivity

- 10.1. Reactivity
Stable under normal conditions
- 10.2. Chemical stability
Stable under normal conditions
- 10.3. Possibility of hazardous reactions
It may catch fire on contact with oxidising mineral acids, and powerful oxidising agents.
- 10.4. Conditions to avoid
Stable under normal conditions.
- 10.5. Incompatible materials
None in particular.
- 10.6. Hazardous decomposition products
None.

SECTION 11: Toxicological information

- 11.1. Information on toxicological effects
 - Toxicological information of the mixture:
Carcinogenic category 3
There is no toxicological data available on the mixture. Consider the individual concentration of each component to assess toxicological effects resulting from exposure to the mixture.
 - Toxicological information of the main substances found in the mixture:
Aromatic hydrocarbon - CAS: 64742-94-5
 - a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg
Test: LD50 - Route: Skin - Species: Rabbit > 2000 mg/kg
Test: LC50 - Route: Inhalation - Species: Rat > 4688 mg/m³
 - 2,2',2''-Nitrilotriethanol - CAS: 102-71-6
 - a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat = 4920 mg/kg
 - 2-butoxyethanol - CAS: 111-76-2
 - a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat = 470 mg/kg
Test: LD50 - Route: Skin - Species: Rabbit = 220 mg/kg
Test: LC50 - Route: Inhalation - Species: Rat = 2.21 mg/l - Duration: 4h
 - 2-methylpentane-2,4-diol - CAS: 107-41-5
 - a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat = 20003696 mg/kg
Test: LD50 - Route: Skin - Species: Rat = 2000 mg/kg
 - Fatty alcohol (C12-15) ethoxylated - CAS: 68131-39-5
 - a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat > 2000 mg/kg
 - b) skin corrosion/irritation:
Test: Skin Irritant - Route: Skin Positive
 - c) serious eye damage/irritation:
Test: Eye Irritant - Route: EYES Positive
 - naphthalene - CAS: 91-20-3
 - a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat = 490 mg/kg
 - Coconut diethanolamide - CAS: 68603-42-9
 - a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat > 10000 mg/kg

If not differently specified, the information required in Regulation 453/2010/EC listed below must be considered as N.AV.:

- a) acute toxicity;
- b) skin corrosion/irritation;
- c) serious eye damage/irritation;
- d) respiratory or skin sensitisation;
- e) germ cell mutagenicity;
- f) carcinogenicity;
- g) reproductive toxicity;
- h) STOT-single exposure;
- i) STOT-repeated exposure;
- j) aspiration hazard.

SECTION 12: Ecological information

- 12.1. Toxicity
Based on the information available it is not expected that this product may cause any adverse environmental effect when use instructions and disposal recommendations are followed.
Adopt good working practices, so that the product is not released into the environment.

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Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

List of substances hazardous to the environment and eco-toxicological information available:

Aromatic hydrocarbon - CAS: 64742-94-5

Test: LC50 - Species: Fish - Duration h: 96 - mg/l: 2

Test: EC50 - Species: Daphnia - Duration h: 48 - mg/l: 3

2,2',2''-Nitrilotriethanol - CAS: 102-71-6

Test: LC50 - Species: Fish - Duration h: 96 - mg/l: 11800

2-butoxyethanol - CAS: 111-76-2

Test: LC50 - Species: Fish - Duration h: 96 - mg/l: 1000 *Oncorhynchus mykiss*

Test: EC50 - Species: Daphnia - Duration h: 48 - mg/l: 1550 *Daphnia magna*

Test: IC50 - Species: Algae - Duration h: 72 - mg/l: 1840 *Pseudo kirchneriella subspicata*

2-methylpentane-2,4-diol - CAS: 107-41-5

Test: LC50 - Species: Fish - Duration h: 96 - mg/l: 8510

Test: EC50 - Species: Daphnia - Duration h: 48 - mg/l: 5410

Coconut diethanolamide - CAS: 68603-42-9

Test: LC50 - Species: Fish - Duration h: 96 - mg/l: 4

Test: EC50 - Species: Daphnia - Duration h: 48 - mg/l: 2.3

Test: IC50 - Species: Algae - Duration h: 72 - mg/l: 2

12.2. Persistence and degradability

Not applicable

Regulation (EC) No. 648/2004 on Detergents and amendments:

Surfactant(s) contained in this preparation comply with biodegradability criteria as defined in (EC) regulations on detergents.

12.3. Bioaccumulative potential

Not applicable

12.4. Mobility in soil

Not applicable

12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

12.6. Other adverse effects

None

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product and its residue:

Do not dispose in the canals of wastewater, waterways and soil.

The codes indicating the type of waste are considered based on the recommendations and scheduled use of this product.

Different codes may be assigned based on the end user's use and the characteristics of the disposal.

Waste code CER/EWC (2000/532/CE), attributable to the product as:

07 06 04 *

H7

Any remaining product should be disposed of with the material.

Containers/contaminated packaging

Containers, even completely empty, must not be disposed in the environment. The packagings which can not be cleaned should be disposed of as the material.

Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

SECTION 14: Transport information

14.1. UN number

ADR-UN number: 3082

14.2 UN proper shipping name:

ADR-Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

ADR-Technical name: (Solvent naphtha (petroleum), heavy aromatic)

14.3 Transport hazard class(es):

ADR-Class: 9

14.4 Packing Group:

ADR-Packing Group: III

14.5 Environmental hazards

ADR-Environmentally mark : Yes

14.6 Special Precautions for User

ADR-Label: 9

ADR-Classification code: M6

ADR-Tunnel Restriction Code: E

ADR: The goods must be transported by vehicles authorized to transport dangerous goods in accordance with the requirements of the current edition of ADR and applicable national regulations. The goods must be carried in original packaging and in any case, in packaging made out of suitable and resistant materials with content and with a dangerous reaction. All the personnel loading and unloading dangerous goods must be trained on the risks associated with the preparation and any procedures to be taken in case of emergency situations.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

SECTION 15: Regulatory information

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15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

1999/13/EC (VOC directive)
Volatile Organic compounds - VOCs = 44.55 %
Volatile CMR substances = 0.00 %
Halogenated VOCs which are assigned the risk phrase R40 = 33.05 %
Organic Carbon - C = 0.10

15.2 Chemical Safety Assessment

Not available

SECTION 16: Other information

Full text of phrases referred to in Section 3:

R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
R22 Harmful if swallowed.
R36/37/38 Irritating to eyes, respiratory system and skin.
R36/38 Irritating to eyes and skin.
R40 Limited evidence of a carcinogenic effect.
R41 Risk of serious damage to eyes.
R50 Very toxic to aquatic organisms.
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65 Harmful: may cause lung damage if swallowed.
R66 Repeated exposure may cause skin dryness or cracking.
R67 Vapours may cause drowsiness and dizziness.

H304 May be fatal if swallowed and enters airways.
H351 Suspected of causing cancer.
H336 May cause drowsiness or dizziness.
H411 Toxic to aquatic life with long lasting effects.
H319 Causes serious eye irritation.
H315 Causes skin irritation.
H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H332 Harmful if inhaled.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H318 Causes serious eye damage.

This safety data sheet has been completely updated in compliance to Regulation 453/2010/EU.

This document was prepared by a competent person who has received appropriate training.

This MSDS cancels and replaces any preceding release.

Where applicable, refer to the following regulatory provisions :

Council Directive 67/548/EEC (Classification, packaging and labelling of dangerous substances) and subsequent amendments;
Regulation (EC) n°1272/2008; Regulation (EC) N. 790/2009 (annex VI), Regulation (EC) n. 1907/2006 (REACH).
Commission Directive 1999/45/EC (Classification, packaging and labelling of dangerous preparation) and subsequent amendments; Commission Directive n. 2006/8/CE.
Regulation (EC) nr 648/2004 and CE N. 907/2006 (Detergents).
Directive 2003/105/EC ('Activities linked to risks of serious accidents') and subsequent amendments.
Directive 91/271/EEC and 91/676/CEE (protection of waters) and subsequent amendments.
Directive 75/324/EEC (aerosols) and subsequent amendments. Directive 76/768/CEE (cosmetic products) and subsequent amendments.
Directive 76/769/EEC (restrictions on the marketing and use of certain dangerous substances and preparations) and subsequent amendments. Regulation (EC) N. 304/2003 and subsequent amendments. Directive 98/8/CE (placing of biocidal products on the market) and subsequent amendments.
Directives 91/156/CEE, 91/689/CEE, 94/62/CE (Disposal of waste) and subsequent amendments.
The European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR), current edition.
regulations IATA/ICAO = Dangerous Goods Regulations by air, current edition.
RID = Regulations concerning the International Carriage of Dangerous Goods by Rail, current edition.
IMDG Code = International Maritime Dangerous Goods Code produced by the International Maritime Organization (IMO), current edition.

Main bibliographic sources:

The ISS National Inventory of Chemical Substances (INSC)
ESIS: European chemical Substances Information System and Environmental hazard classification.
Occupational exposure limit values (Commission Directives 2000/39/EC and 2006/15/CE)
ACGIH - TLV's for 2010
NIOSH - Registry of toxic effects of chemical substances (1983)
Material Safety Data Sheets of chemicals, REACH database
Material Safety Data Sheet and Technical Data of raw material as by Supplier

Abbreviations and acronyms:

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TLV-TWA = Threshold Limit Value- time-weighted average, 8-hour workday, 40-hour workweek; TLV-STEL-15 min = Threshold Limit Values - Short Term Exposure Limit; TLV-C = Ceiling exposure limit; Notes: IBE= Biological Exposure Indices; SEN= sensitizer; Skin= Can be absorbed through the skin. Carcinogenicity categories: A1 / A2 = confirmed / suspected human carcinogen; A3 = Animal carcinogen; A4 / A5 = Not Classifiable/not suspected as a human carcinogen. ACGIH = American Conference on Governmental Industrial Hygienists. OEL =Occupational Exposure Limit. LTE =long term exposure, STE=short term exposure. n.av.= Not Available, n.a. = not applicable; LD50=lethal dose (solids and liquids), LC50=lethal concentration (gases) that will kill 50% of the test animals; ADR= European Agreement concerning the International Carriage of Dangerous Goods by Road. Regulations IATA/ICAO = Dangerous Goods Regulations by air, current edition.
RID = Regulations concerning the International Carriage of Dangerous Goods by Rail, current edition. IMDG Code = International Maritime Dangerous Goods Code produced by the International Maritime Organization (IMO), current edition.
PBT = Persistent, Bioaccumulative and Toxic substances. ; vPvB = very Persistent and very Bioaccumulative substances; CMR = Carcinogenic, mutagenic or reproduction toxic substances.

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.