

Safety Data Sheet dated 9/5/2012, version 2 In compliance with Regulation (EC) 453/2010	
	ANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING
1.1. Product identifier Mixture identification:	
Trade name:	ACC 4410
Product type:	solvent
Recommended use:	tance or mixture and uses advised against
Washing and cleaning p Uses advised against: Not available	products (including solvent based products)
1.3 Details of the supplier of the safety of Supplier:	data sheet
Tel: +971-4-881 8084, F Competent person responsible <u>airacc@acc.ae</u>	, LOB 10, Office # 10F14, JAFZA, Dubai, UAE Fax: +971-4-881 6022, Email: <u>airacc@acc.ae</u> 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
<b>SECTION 2: Hazards identification</b>	
2.1. Classification of the substance or m	
Directive criteria, 67/548/CE, 99 Properties / Symbols:	0/45/EC and following amendments thereof:
F Highly flamma	able
Xn Harmful	
Xi Irritant	
	or the environment
R Phrases:	mahla
R11 Highly flam	g to eyes and skin.
R48/20 Harmfu R51/53 Toxic to R63 Possible ris	i: danger of serious damage to health by prolonged exposure through inhalation. ) aquatic organisms, may cause long-term adverse effects in the aquatic environment. sk of harm to the unborn child hay cause lung damage if swallowed.
R66 Repeated e	exposure may cause skin dryness or cracking. Iay cause drowsiness and dizziness.
If brought into contact w with the skin it causes s This product is harmful: may be caused by repe This product is harmful The product may cause	h and environmental effects: hes fire if it is exposed to an ignition source. <i>i</i> th the eyes, the product causes irritation that may last for over 24 hours, and if brought into contact ignificant inflammation with erythema, scabs, and oedema. serious harm (functional disorders or significant morphological changes that are toxicology-related) ated or prolonged exposure to the product by inhalation. - it is suspected that it can be injurious to the foetus. lung damage if swallowed. sms, may cause long-term adverse effects in the aquatic environment.
2.2. Label elements	
Directive criteria, 67/548/CE, 99	0/45/EC and following amendments thereof:
Xn Harmful	Symbols:
F Highly flamma	able or the environment
R Phrases:	
R11 Highly flam	
R48/20 Harmfu R51/53 Toxic to R63 Possible ris	g to eyes and skin. I: danger of serious damage to health by prolonged exposure through inhalation. a aquatic organisms, may cause long-term adverse effects in the aquatic environment. sk of harm to the unborn child
	ay cause lung damage if swallowed. exposure may cause skin dryness or cracking.
R67 Vapours m S Phrases:	ay cause drowsiness and dizziness.
	from food, drink and animal feedingstuffs.

S16 Keep away from sources of ignition - No smoking. S29 Do not empty into drains. S36/37 Wear suitable protective clothing and gloves. S61 Avoid release to the environment. Refer to special instructions/Safety data sheets. S62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label. Contents:
toluene heptane
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% toluene REACH No.: 01-2119471310-51-XXXX, Index number: 601-021-00-3, CAS: 108-88-3, EC: 203-625-9 F,Xn,Xi; R11-38-48/20-63-65-67
2.6/2 Flam. Liq. 2 H225
3.7/2 Repr. 2 H361
3.10/1 Asp. Tox. 1 H304
3.9/2 STOT RE 2 H373
3.2/2 Skin Irrit. 2 H315
3.8/3 STOT SE 3 H336
20% - 40% Ethyl acetate REACH No.: 01-2119475103-46-XXXX, Index number: 607-022-00-5, CAS: 141-78-6, EC: 205-500-4 F,Xi; R11-36-66-67 ▲ 2.6/2 Flam. Liq. 2 H225
3.3/2 Eye Irrit. 2 H319
3.8/3 STOT SE 3 H336
20% - 30% heptane REACH No.: 01-2119457603-38-XXXX, Index number: 601-008-00-2, CAS: 142-82-5, EC: 205-563-8 F,Xn,Xi,N; R11-38-50/53-65-67
2.6/2 Flam. Liq. 2 H225
3.10/1 Asp. Tox. 1 H304
3.2/2 Skin Irrit. 2 H315
3.8/3 STOT SE 3 H336
4.1/A1 Aquatic Acute 1 H400
4.1/C1 Aquatic Chronic 1 H410
10% - 20% acetone REACH No.: 01-2119471330-49-XXXX, Index number: 606-001-00-8, CAS: 67-64-1, EC: 200-662-2 F,Xi; R11-36-66-67
3.3/2 Eye Irrit. 2 H319
3.8/3 STOT SE 3 H336
10% - 20% Propan-2-ol REACH No.: 01-2119457558-25-XXXX, Index number: 603-117-00-0, CAS: 67-63-0, EC: 200-661-7

F,Xi; R11-36-	
3.3/2 Eye Irrit. 2	H319
3.8/3 STOT SE 3	3 H336
1% - 5% butanone; et REACH No.: F,Xi; R11-36- 2.6/2 Flam. Liq.	01-2119457290-43-XXXX, Index number: 606-002-00-3, CAS: 78-93-3, EC: 201-159-0 66-67
3.3/2 Eye Irrit. 2	H319
3.8/3 STOT SE	3 H336
For the complete text of the h	azard and risk phrases refer to paragraph 16
Areas of the b immediately w Wash thoroug Remove cont After contact In case of eyes conta After contact opthalmologis Protect uninju In case of Ingestion: Do NOT indu Give nothing In case of Inhalation: If breathing is In case of inh	assures t: ake off all contaminated clothing. body that have - or are only even suspected of having - come into contact with the product must be rinsed with plenty of running water and possibly with soap. hyly the body (shower or bath). aminated clothing immediatley and dispose off safely. with skin, wash immediately with soap and plenty of water. act: with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an st immediately. ared eye.
4.3. Indication of any immedia	ate medical attention and special treatment needed unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).
None in particular. 5.2. Special hazards arising fr Do not inhale explosio Burning produces hea 5.3. Advice for firefighters Use suitable breathing Collect contaminated	g media: fire extinguishe. which must not be used for safety reasons: rom the substance or mixture on and combustion gases. avy smoke.
SECTION 6: Accidental relea 6.1. Personal precautions, pro Wear personal protec Remove all sources o Wear breathing appar Provide adequate ver Use appropriate respi See protective measu 6.2. Environmental precautior Do not allow to enter Retain contaminated In case of gas escape	ase measures betective equipment and emergency procedures tion equipment. if ignition. ratus if exposed to vapours/dusts/aerosols. tilation. ratory protection. ures under point 7 and 8.

0.01	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
	7: Handling and storage
7.1.	Precautions for safe handling Avoid contact with skin and eyes, inhaltion of vapours and mists.
	Use localized ventilation system.
	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.
	Contamined clothing should be changed before entering eating areas.
	Do not eat or drink while working.
72	See also section 8 for recomened protective equipment. Conditions for safe storage, including any incompatibilities
1.2.	Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.
	Keep away from food, drink and feed.
	Incompatible materials:
	None in particular.
	Instructions as regards storage premises: Cool and adequately ventilated.
7.3	Specific end use(s)
	For more information see Technical date bulletin
	None in particular
SECTION	8: Exposure controls/personal protection
	Control parameters
	Contained substances
	toluene - CAS: 108-88-3
	OEL Type: ACGIH, 20 ppm - Behaviour: Binding - Notes: A4, IBE OEL Type: EU - LTE: 192 mg/m3, 50 ppm - STE: 384 mg/m3, 100 ppm - Behaviour: Binding - Notes: Skin
	VLE 8h - VLE short: None
	Ethyl acetate - CAS: 141-78-6
	OEL Type: ACGIH - LTE: 1441.31 mg/m3, 400 ppm - Behaviour: Binding - Notes: Respiratory and eye irritation
	VLE 8h - VLE short: None
	heptane - CAS: 142-82-5
	OEL Type: ACGIH - LTE: 1639.26 mg/m3, 400 ppm - STE: 2049.08 mg/m3, 500 ppm - Behaviour: Binding OEL Type: EU - LTE: 2085 mg/m3, 500 ppm - Behaviour: Binding
	VLE 8h - VLE short: None
	acetone - CAS: 67-64-1
	OEL Type: ACGIH, 500 ppm, 750 ppm - Behaviour: Binding - Notes: A4, IBE.Respiratory and eye irritation, central
	nervous system, blood.
	OEL Type: EU - LTE: 1210 mg/m3, 500 ppm VLE 8h - VLE short: None
	Propan-2-ol - CAS: 67-63-0
	OEL Type: ACGIH - LTE: 491.53 mg/m3, 200 ppm - STE: 983.07 mg/m3, 400 ppm - Behaviour: Binding - Notes: A
	OEL Type: EU - LTE: 375 mg/m3, 100 ppm - STE: 568 mg/m3, 150 ppm - Behaviour: Binding - Notes: 08/06/2000
	VLE 8h - VLE short: None
	butanone; ethyl methyl ketone - CAS: 78-93-3
	OEL Type: ACGIH, 200 ppm, 300 ppm - Behaviour: Binding - Notes: IBE OEL Type: EU - LTE: 600 mg/m3, 200 ppm - STE: 900 mg/m3, 300 ppm - Behaviour: Binding - Notes: Skin
	VLE 8h - VLE short: None
	DNEL Exposure Limit Values
	acetone - CAS: 67-64-1
	Worker Professional: 186 mg/kg - Consumer: 62 mg/kg - Exposure: Human Dermal Long Term, systemic effects
	Worker Professional: 1210 mg/kg - Consumer: 200 mg/kg - Exposure: Human Inhalation Long Term, systemic effect
	Consumer: 62 mg/kg - Exposure: Human Oral Long Term, systemic effects Worker Professional: 2420 mg/kg - Exposure: Human Inhalation Short Term, systemic effects
	PNEC Exposure Limit Values
	acetone - CAS: 67-64-1
	Fresh Water 10.6 mg/l
	Marine Water 1.06 mg/l
	Soil (Agricultural) 33.3 mg/kg Marine Water Sediments 3.04 mg/kg
	Fresh Water Sediments 30.4 mg/kg
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:

Respiratory protection:	
Use adequate protective resp	iratory equipment.
Thermal Hazards:	
None	
Environmental exposure controls:	
None	
SECTION 9: Physical and chemical prop	
9.1 Information on basic physical and chemica	al properties
Appearance and colour:	Clear liquid
Odour:	solvent
Odour threshold:	n.av. mg/m3
pH:	na
Melting point / freezing point:	n.av. °C
Initial boiling point and boiling range:	initial 56 °C
Solid/gas flammability:	n.av.
Upper/lower flammability or explosive	limits: n.av. % v/v
Vapour density (air=1):	> 1
Flash point:	-10 °C
Evaporation rate:	n.av.
Vapour pressure:	10 kPa
Relative density:	0.81 g/ml
Solubility in water:	partial
Lipid solubility:	n.av.
Partition coefficient (n-octanol/water):	
Auto-ignition temperature:	n.av. °C
Decomposition temperature:	n.av. °C
Viscosity:	n.av. mPa.s
Explosive properties:	n.av. nn a.s n.av.
Oxidizing properties:	not Oxidant
9.2 Other information	not exident
Miscibility:	n.av.
Fat Solubility:	
Conductivity:	n.av.
	na
Substance Groups relevant properties	5. 11.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	
	sing mineral acids, and powerful oxidising agents.
10.4. Conditions to avoid	
Stable under normal conditions.	
10.5. Incompatible materials	
Avoid contact with combustible materi	als. The product could catch fire.
10.6. Hazardous decomposition products	
None.	
SECTION 11: Toxicological information	
11.1. Information on toxicological effects	
Toxicological information of the mixtur	
Possible risk of harm to the ur	
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:
toluene - CAS: 108-88-3	
a) acute toxicity:	
Test: LD50 - Route: C	0ral - Species: Rat = 5000 mg/kg
Test: LD50 - Route: S	kin - Species: Rabbit = 12.4 g/kg
Test: LC50 - Route: Ir	nhalation - Species: Rat = 28.1 mg/l - Duration: 4h
Ethyl acetate - CAS: 141-78-6	
a) acute toxicity:	
	)ral - Species: Rat = 4935 mg/kg
acetone - CAS: 67-64-1	
a) acute toxicity:	
	0ral - Species: Rat = 5800 mg/kg
	ikin - Species: Rabbit = 20 g/kg
	halation - Species: Rat = 21.09 Ppm - Duration: 8h
	And and a species frage - Error pill Bulanon, on
Propan-2-01- LAS 6/-63-0	
Propan-2-ol - CAS: 67-63-0 a) acute toxicity:	
a) acute toxicity:	0ral - Species: Rat = 5840 mg/kg

FACC4410/2 Page n. 5 of 8

Test: LD50 - Route: Skin - Species: Rabbit > 2000 mg/kg Test: LC50 - Route: Inhalation - Species: Rat = 72.6 mg/l - Duration: 4h b) skin corrosion/irritation: Test: Skin Irritant - Species: Rabbit Positive c) serious eye damage/irritation: Test: Eye Irritant - Species: Rabbit Positive butanone; ethyl methyl ketone - CAS: 78-93-3 a) acute toxicity: Test: LD50 - Route: Oral - Species: Rat = 2737 mg/kg Test: LD50 - Route: Skin - Species: Rabbit = 6480 mg/kg Test: LC50 - Route: Inhalation - Species: Rat = 23.5 mg/l - Duration: 8h 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. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. toluene - CAS: 108-88-3 Test: LC50 - Species: Fish - Duration h: 96 - mg/l: 57.68 Test: EC50 - Species: Daphnia - Duration h: 48 - mg/l: 11.5 heptane - CAS: 142-82-5 Test: LC50 - Species: Fish - Duration h: 96 - mg/l: 375 Test: EC50 - Species: Daphnia - Duration h: 48 - mg/l: 82.5 Test: IC50 - Species: Algae - Duration h: 72 - mg/l: 1.5 acetone - CAS: 67-64-1 Test: LC50 - Species: Fish - Duration h: 336 - mg/l: 4042 Test: LC50 - Species: Algae - Duration h: 96 - mg/l: 302 Propan-2-ol - CAS: 67-63-0 Test: LC50 - Species: Fish - Duration h: 96 - mg/l: 1400 Lepomis machrochirus Test: EC50 - Species: Daphnia - Duration h: 48 - mg/l: 2285 Daphnia magna Test: EC50 - Species: Algae - Duration h: 72 - mg/l: 100 Scenedesmus subspicatus 12.2. Persistence and degradability Not applicable Regulation (EC) No. 648/2004 on Detergents and amendments: Not applicable 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 bused 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 \* - other organic solvents, washing liquids and mother liquors H5 Harmful 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 packigings which can not be cleaned should be disposed of as the material.

national regulations currently in force.	
SECTION 14: Transport information	
14.1. UN number	1000
ADR-UN number:	1263
IATA-Un number: IMDG-Un number:	1263 1263
14.2 UN proper shipping name:	1205
ADR-Shipping Name:	PAINT or PAINT RELATED MATERIAL
ADR-Technical name:	(heptane)
IATA-Technical name:	PAINT or PAINT RELATED MATERIAL, (heptane)
IMDG-Technical name:	PAINT or PAINT RELATED MATERIAL, (heptane)
14.3 Transport hazard class(es):	
ADR-Class:	3
IATA-Class:	3
IMDG-Class:	3
14.4 Packing Group:	Ц
ADR-Packing Group: IATA-Packing group:	
IMDG-Packing group:	
14.5 Environmental hazards	n
ADR-Environmentally mark : Yes	
Marine pollutant:	Marine pollutant
14.6 Special Precautions for User	
ADR-Label:	3
ADR-Classification code: F1	
ADR-Tunnel Restriction Code:	D/E
IATA-Label:	3
IATA-Passenger Aircraft:	353
IATA-Cargo Aircraft:	
IMDG-EMS:	F-E, S-E d by vehicles authorized to transport dangerous goods in accordance with the requirements or
	resistant materials with content and with a dangerous reaction. All the personnel loading and e trained on the risks associated with the preparation and any procedures to be taken in case of
	e trained on the risks associated with the preparation and any procedures to be taken in case of
unloading dangerous goods must be emergency situations. 14.7 Transport in bulk according to Annex II nd ECTION 15: Regulatory information 15.1 Safety, health and environmental regula	e trained on the risks associated with the preparation and any procedures to be taken in case of
unloading dangerous goods must be emergency situations. 14.7 Transport in bulk according to Annex II nd ECTION 15: Regulatory information 15.1 Safety, health and environmental regula 1999/13/EC (VOC directive) Volatile Organic compounds Volatile Organic compounds Volatile CMR substances = 0	e trained on the risks associated with the preparation and any procedures to be taken in case of MARPOL 73/78 and the IBC Code ations/legislation specific for the substance or mixture = - VOCs = 80.00 % = - VOCs = 648.00 g/l
unloading dangerous goods must be emergency situations. 14.7 Transport in bulk according to Annex II nd ECTION 15: Regulatory information 15.1 Safety, health and environmental regula 1999/13/EC (VOC directive) Volatile Organic compounds Volatile Organic compounds Volatile Organic compounds Volatile CMR substances = 0 Halogenated VOCs which an	e trained on the risks associated with the preparation and any procedures to be taken in case of MARPOL 73/78 and the IBC Code ations/legislation specific for the substance or mixture = - VOCs = 80.00 % = - VOCs = 648.00 g/l 0.00 %
unloading dangerous goods must be emergency situations. 14.7 Transport in bulk according to Annex II nd ECTION 15: Regulatory information 15.1 Safety, health and environmental regula 1999/13/EC (VOC directive) Volatile Organic compounds Volatile Organic compounds Volatile Organic compounds Volatile CMR substances = 0 Halogenated VOCs which ar Organic Carbon - C = 0.57 15.2 Chemical Safety Assessment Not available ECTION 16: Other information	e trained on the risks associated with the preparation and any procedures to be taken in case of MARPOL 73/78 and the IBC Code ations/legislation specific for the substance or mixture = - VOCs = 80.00 % = - VOCs = 648.00 g/l 0.00 %
unloading dangerous goods must be emergency situations. 14.7 Transport in bulk according to Annex II nd ECTION 15: Regulatory information 15.1 Safety, health and environmental regula 1999/13/EC (VOC directive) Volatile Organic compounds Volatile Organic compounds Volatile CMR substances = 0 Halogenated VOCs which ar Organic Carbon - C = 0.57 15.2 Chemical Safety Assessment Not available ECTION 16: Other information Full text of phrases referred to in Section 3:	e trained on the risks associated with the preparation and any procedures to be taken in case of MARPOL 73/78 and the IBC Code ations/legislation specific for the substance or mixture = - VOCs = 80.00 % = - VOCs = 648.00 g/l 0.00 %
unloading dangerous goods must be emergency situations. 14.7 Transport in bulk according to Annex II nd ECTION 15: Regulatory information 15.1 Safety, health and environmental regula 1999/13/EC (VOC directive) Volatile Organic compounds Volatile Organic compounds Volatile Organic compounds Volatile CMR substances = 0 Halogenated VOCs which ar Organic Carbon - C = 0.57 15.2 Chemical Safety Assessment Not available ECTION 16: Other information Full text of phrases referred to in Section 3: R11 Highly flammable.	e trained on the risks associated with the preparation and any procedures to be taken in case of MARPOL 73/78 and the IBC Code ations/legislation specific for the substance or mixture = - VOCs = 80.00 % = - VOCs = 648.00 g/l 0.00 %
unloading dangerous goods must be emergency situations. 14.7 Transport in bulk according to Annex II nd ECTION 15: Regulatory information 15.1 Safety, health and environmental regula 1999/13/EC (VOC directive) Volatile Organic compounds Volatile Organic compounds Volatile Organic compounds Volatile CMR substances = 0 Halogenated VOCs which ar Organic Carbon - C = 0.57 15.2 Chemical Safety Assessment Not available ECTION 16: Other information Full text of phrases referred to in Section 3: R11 Highly flammable. R36 Irritating to eyes.	e trained on the risks associated with the preparation and any procedures to be taken in case of MARPOL 73/78 and the IBC Code ations/legislation specific for the substance or mixture = - VOCs = 80.00 % = - VOCs = 648.00 g/l 0.00 %
unloading dangerous goods must be emergency situations. 14.7 Transport in bulk according to Annex II nd ECTION 15: Regulatory information 15.1 Safety, health and environmental regula 1999/13/EC (VOC directive) Volatile Organic compounds Volatile Organic compounds Volatile CMR substances = 0 Halogenated VOCs which ar Organic Carbon - C = 0.57 15.2 Chemical Safety Assessment Not available ECTION 16: Other information Full text of phrases referred to in Section 3: R11 Highly flammable. R36 Irritating to eyes. R38 Irritating to skin.	e trained on the risks associated with the preparation and any procedures to be taken in case of MARPOL 73/78 and the IBC Code ations/legislation specific for the substance or mixture - VOCs = 80.00 % - VOCs = 648.00 g/l 0.00 % re assigned the risk phrase R40 = 0.00 %
unloading dangerous goods must be emergency situations. 14.7 Transport in bulk according to Annex II nd ECTION 15: Regulatory information 15.1 Safety, health and environmental regula 1999/13/EC (VOC directive) Volatile Organic compounds Volatile Organic compounds Volatile Organic compounds Volatile CMR substances = 0 Halogenated VOCs which ar Organic Carbon - C = 0.57 15.2 Chemical Safety Assessment Not available ECTION 16: Other information Full text of phrases referred to in Section 3: R11 Highly flammable. R36 Irritating to eyes. R38 Irritating to skin. R48/20 Harmful: danger of serious d	e trained on the risks associated with the preparation and any procedures to be taken in case of MARPOL 73/78 and the IBC Code ations/legislation specific for the substance or mixture = - VOCs = 80.00 % = - VOCs = 648.00 g/l 0.00 %
unloading dangerous goods must be emergency situations. 14.7 Transport in bulk according to Annex II nd ECTION 15: Regulatory information 15.1 Safety, health and environmental regula 1999/13/EC (VOC directive) Volatile Organic compounds Volatile Organic compounds Volatile Organic compounds Volatile CMR substances = 0 Halogenated VOCs which ar Organic Carbon - C = 0.57 15.2 Chemical Safety Assessment Not available ECTION 16: Other information Full text of phrases referred to in Section 3: R11 Highly flammable. R36 Irritating to eyes. R38 Irritating to skin. R48/20 Harmful: danger of serious d	e trained on the risks associated with the preparation and any procedures to be taken in case of MARPOL 73/78 and the IBC Code ations/legislation specific for the substance or mixture - VOCs = 80.00 % - VOCs = 648.00 g/l 0.00 % re assigned the risk phrase R40 = 0.00 %
unloading dangerous goods must be emergency situations. 14.7 Transport in bulk according to Annex II nd ECTION 15: Regulatory information 15.1 Safety, health and environmental regula 1999/13/EC (VOC directive) Volatile Organic compounds Volatile Organic compounds Volatile Organic compounds Volatile CMR substances = ( Halogenated VOCs which ar Organic Carbon - C = 0.57 15.2 Chemical Safety Assessment Not available ECTION 16: Other information Full text of phrases referred to in Section 3: R11 Highly flammable. R36 Irritating to eyes. R38 Irritating to skin. R48/20 Harmful: danger of serious d R50/53 Very toxic to aquatic organis R63 Possible risk of harm to the unb R65 Harmful: may cause lung dama	e trained on the risks associated with the preparation and any procedures to be taken in case of MARPOL 73/78 and the IBC Code ations/legislation specific for the substance or mixture - VOCs = 80.00 % - VOCs = 648.00 g/l 0.00 % re assigned the risk phrase R40 = 0.00 %
unloading dangerous goods must be emergency situations. 14.7 Transport in bulk according to Annex II nd ECTION 15: Regulatory information 15.1 Safety, health and environmental regula 1999/13/EC (VOC directive) Volatile Organic compounds Volatile Organic compounds Volatile CMR substances = 0 Halogenated VOCs which ar Organic Carbon - C = 0.57 15.2 Chemical Safety Assessment Not available ECTION 16: Other information Full text of phrases referred to in Section 3: R11 Highly flammable. R36 Irritating to eyes. R38 Irritating to eyes. R38 Irritating to skin. R48/20 Harmful: danger of serious d R50/53 Very toxic to aquatic organis R63 Possible risk of harm to the unb R65 Harmful: may cause lung damaa R66 Repeated exposure may cause	e trained on the risks associated with the preparation and any procedures to be taken in case of MARPOL 73/78 and the IBC Code ations/legislation specific for the substance or mixture - VOCs = 80.00 % - VOCs = 648.00 g/l 0.00 % re assigned the risk phrase R40 = 0.00 % er assigned the risk phrase R40 = 0.00 %
unloading dangerous goods must be emergency situations. 14.7 Transport in bulk according to Annex II nd ECTION 15: Regulatory information 15.1 Safety, health and environmental regula 1999/13/EC (VOC directive) Volatile Organic compounds Volatile Organic compounds Volatile Organic compounds Volatile CMR substances = ( Halogenated VOCs which ar Organic Carbon - C = 0.57 15.2 Chemical Safety Assessment Not available ECTION 16: Other information Full text of phrases referred to in Section 3: R11 Highly flammable. R36 Irritating to eyes. R38 Irritating to skin. R48/20 Harmful: danger of serious d R50/53 Very toxic to aquatic organis R63 Possible risk of harm to the unb R65 Harmful: may cause lung dama	e trained on the risks associated with the preparation and any procedures to be taken in case of MARPOL 73/78 and the IBC Code ations/legislation specific for the substance or mixture - VOCs = 80.00 % - VOCs = 648.00 g/l 0.00 % re assigned the risk phrase R40 = 0.00 % er assigned the risk phrase R40 = 0.00 %
unloading dangerous goods must be emergency situations. 14.7 Transport in bulk according to Annex II nd <b>ECTION 15: Regulatory information</b> 15.1 Safety, health and environmental regula 1999/13/EC (VOC directive) Volatile Organic compounds Volatile Organic compounds Volatile Organic compounds Volatile CMR substances = 0 Halogenated VOCs which ar Organic Carbon - C = 0.57 15.2 Chemical Safety Assessment Not available <b>ECTION 16: Other information</b> Full text of phrases referred to in Section 3: R11 Highly flammable. R36 Irritating to eyes. R38 Irritating to skin. R48/20 Harmful: danger of serious d R50/53 Very toxic to aquatic organis R63 Possible risk of harm to the unb R65 Harmful: may cause lung dama R66 Repeated exposure may cause R67 Vapours may cause drowsiness	e trained on the risks associated with the preparation and any procedures to be taken in case of of MARPOL 73/78 and the IBC Code ations/legislation specific for the substance or mixture VOCs = 80.00 % VOCs = 648.00 g/l 0.00 % re assigned the risk phrase R40 = 0.00 %
unloading dangerous goods must be emergency situations. 14.7 Transport in bulk according to Annex II nd <b>ECTION 15: Regulatory information</b> 15.1 Safety, health and environmental regula 1999/13/EC (VOC directive) Volatile Organic compounds Volatile Organic compounds Volatile CMR substances = 0 Halogenated VOCs which ar Organic Carbon - C = 0.57 15.2 Chemical Safety Assessment Not available <b>ECTION 16: Other information</b> Full text of phrases referred to in Section 3: R11 Highly flammable. R36 Irritating to eyes. R38 Irritating to skin. R48/20 Harmful: danger of serious d R50/53 Very toxic to aquatic organis R63 Possible risk of harm to the unb R65 Harmful: may cause lung dama R66 Repeated exposure may cause R67 Vapours may cause drowsiness H225 Highly flammable liquid and va	a trained on the risks associated with the preparation and any procedures to be taken in case of of MARPOL 73/78 and the IBC Code    ations/legislation specific for the substance or mixture   - VOCs = 80.00 %   - VOCs = 648.00 g/l   0.00 %   re assigned the risk phrase R40 = 0.00 %   lamage to health by prolonged exposure through inhalation.   ms, may cause long-term adverse effects in the aquatic environment.   vor child   ge if swallowed.   skin dryness or cracking.   s and dizziness.   apour.
unloading dangerous goods must be emergency situations. 14.7 Transport in bulk according to Annex II nd <b>ECTION 15: Regulatory information</b> 15.1 Safety, health and environmental regula 1999/13/EC (VOC directive) Volatile Organic compounds Volatile Organic compounds Volatile Organic compounds Volatile CMR substances = 0 Halogenated VOCs which ar Organic Carbon - C = 0.57 15.2 Chemical Safety Assessment Not available <b>ECTION 16: Other information</b> Full text of phrases referred to in Section 3: R11 Highly flammable. R36 Irritating to eyes. R38 Irritating to skin. R48/20 Harmful: danger of serious d R50/53 Very toxic to aquatic organis R63 Possible risk of harm to the unb R65 Harmful: may cause lung dama R66 Repeated exposure may cause R67 Vapours may cause drowsiness H225 Highly flammable liquid and va H361 Suspected of damaging fertility	attrained on the risks associated with the preparation and any procedures to be taken in case of of MARPOL 73/78 and the IBC Code   attions/legislation specific for the substance or mixture   - VOCs = 80.00 %   - VOCs = 648.00 g/l   0.00 %   re assigned the risk phrase R40 = 0.00 %   Itemage to health by prolonged exposure through inhalation.   mms, may cause long-term adverse effects in the aquatic environment.   or rikid   ge if swallowed.   skin dryness or cracking.   s and dizziness.   apour.   y or the unborn child.
unloading dangerous goods must be emergency situations. 14.7 Transport in bulk according to Annex II nd <b>ECTION 15: Regulatory information</b> 15.1 Safety, health and environmental regula 1999/13/EC (VOC directive) Volatile Organic compounds Volatile Organic compounds Volatile Organic compounds Volatile CMR substances = 0 Halogenated VOCs which ar Organic Carbon - C = 0.57 15.2 Chemical Safety Assessment Not available <b>ECTION 16: Other information</b> Full text of phrases referred to in Section 3: R11 Highly flammable. R36 Irritating to eyes. R38 Irritating to skin. R48/20 Harmful: danger of serious d R50/53 Very toxic to aquatic organis R63 Possible risk of harm to the unb R65 Harmful: may cause lung dama R66 Repeated exposure may cause R67 Vapours may cause drowsiness H225 Highly flammable liquid and va H361 Suspected of damaging fertility H304 May be fatal if swallowed and	A trained on the risks associated with the preparation and any procedures to be taken in case of of MARPOL 73/78 and the IBC Code ations/legislation specific for the substance or mixture - VOCs = 80.00 % - VOCs = 648.00 g/l 0.00 % re assigned the risk phrase R40 = 0.00 % Atamage to health by prolonged exposure through inhalation. Ims, may cause long-term adverse effects in the aquatic environment. Norm child ge if swallowed. skin dryness or cracking. s and dizziness. apour. y or the unborn child. enters airways.
unloading dangerous goods must be emergency situations. 14.7 Transport in bulk according to Annex II nd <b>ECTION 15: Regulatory information</b> 15.1 Safety, health and environmental regula 1999/13/EC (VOC directive) Volatile Organic compounds Volatile Organic compounds Volatile Organic compounds Volatile CMR substances = 0 Halogenated VOCs which ar Organic Carbon - C = 0.57 15.2 Chemical Safety Assessment Not available <b>ECTION 16: Other information</b> Full text of phrases referred to in Section 3: R11 Highly flammable. R36 Irritating to eyes. R38 Irritating to skin. R48/20 Harmful: danger of serious d R50/53 Very toxic to aquatic organis R63 Possible risk of harm to the unb R65 Harmful: may cause lung dama R66 Repeated exposure may cause R67 Vapours may cause drowsiness H225 Highly flammable liquid and va H361 Suspected of damaging fertility H304 May be fatal if swallowed and H373 May cause damage to organs	attrained on the risks associated with the preparation and any procedures to be taken in case of of MARPOL 73/78 and the IBC Code   attions/legislation specific for the substance or mixture   :- VOCs = 80.00 %   :- VOCs = 648.00 g/l   0.00 %   re assigned the risk phrase R40 = 0.00 %   damage to health by prolonged exposure through inhalation.   mms, may cause long-term adverse effects in the aquatic environment.   or rikid   ge if swallowed.   skin dryness or cracking.   s and dizziness.   apour.   y or the unborn child.
unloading dangerous goods must be emergency situations. 14.7 Transport in bulk according to Annex II nd <b>ECTION 15: Regulatory information</b> 15.1 Safety, health and environmental regula 1999/13/EC (VOC directive) Volatile Organic compounds Volatile Organic compounds Volatile Organic compounds Volatile CMR substances = 0 Halogenated VOCs which ar Organic Carbon - C = 0.57 15.2 Chemical Safety Assessment Not available <b>ECTION 16: Other information</b> Full text of phrases referred to in Section 3: R11 Highly flammable. R36 Irritating to eyes. R38 Irritating to skin. R48/20 Harmful: danger of serious d R50/53 Very toxic to aquatic organis R63 Possible risk of harm to the unb R65 Harmful: may cause lung dama R66 Repeated exposure may cause R67 Vapours may cause drowsiness H225 Highly flammable liquid and va H361 Suspected of damaging fertility H304 May be fatal if swallowed and	a trained on the risks associated with the preparation and any procedures to be taken in case of of MARPOL 73/78 and the IBC Code   ations/legislation specific for the substance or mixture   a- VOCs = 80.00 %   - VOCs = 648.00 g/l   0.00 %   re assigned the risk phrase R40 = 0.00 %   It amage to health by prolonged exposure through inhalation.   mms, may cause long-term adverse effects in the aquatic environment.   som child   ge if swallowed.   skin dryness or cracking.   s and dizziness.   apour.   y or the unborn child.   enters airways.   through prolonged or repeated exposure.

H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. Paragraphs modified from the previous revision: SECTION 4: First aid measures SECTION 11: Toxicological information SECTION 12: Ecological information **16. OTHER INFORMATION** 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). Commmission 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 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. Directive 91/271/EEC and 91/676/CEE (protection of waters) and subsequent amendments. Main bibliographic sources: 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 The ISS National Inventory of Chemical Substances (INSC) Abbreviations and acronyms: TLV-TWA = Threshold Limit Value- time-weighed 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 Classificable/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.