Safety Data Sheet
ACC 1130

Safety Data Sheet dated 5/7/2016, version 1
In compliance with Regulation (EC) 2015/830

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Mixture identification:

Trade name: ACC 1130

Product type: Acid activated water basad paint stripper

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

Recommended use:

Coatings and paints, thinners, paint removers

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:

airacc@acc.ae

1.4. Emergency telephone number

AirChem Consumables, Tel: +971-4-881 8084, Fax: +971-4-881 6022, Email: airacc@acc.ae (from Sunday to Thursday from 09 AM to 6 PM; Saturdays 09 AM to 2:30 PM)

A list of Poison Control Centers is available at the following link:
http://www.who.int/gho/phe/chemical_safety/poisons_centres/en/

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP)

Danger, Skin Corr. 1A, Causes severe skin burns and eye damage.

Danger, Eye Dam. 1, Causes serious eye damage.

Aquatic Chronic 3, Harmful to aquatic life with long lasting effects.

Adverse physicochemical, human health and environmental effects:

The product is harmful following acute exposure to it and poses a serious health threat if ingested.
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.
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

2.2. Label elements

EC regulation criteria 1272/2008 (CLP)

Hazard pictograms:

Danger

Hazard statements:

H314 Causes severe skin burns and eye damage.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:

P273 Avoid release to the environment.
P280 Wear protective gloves and eye protection.
P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call...
P501 Dispose of contents/container in accordance with applicable regulations.

Special Provisions:

None

Contents:

Formic acid
Benzothiazole-2-thiol: May produce an allergic reaction.

Special provisions according to Annex XVII of REACH and subsequent amendments:

None

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 the CLP regulation and related classification:

20-30 % Benzyl alcohol

REACH N°: 01-2119492630-38-XXXX, Index number: 603-057-00-5, CAS: 100-51-6, EC: 202-859-9


3.1/4/Oral Acute Tox. 4 H302
3.3/2 Eye Irrit. 2 H319
3.1/4/Inhal Acute Tox. 4 H332

5-10 % Formic acid

REACH N°: 01-2119491174-37-XXXX, Index number: 607-001-00-0, CAS: 64-18-6, EC: 200-579-1


3.2/1A Skin Corr. 1A H314

5-10 % Benzyl formate

CAS: 104-57-4


3.1/4/Oral Acute Tox. 4 H302

1-5 % Aromatic hydrocarbon

REACH N°: 01-2119463588-24-XXXX, Index number: 649-424-00-3, CAS: 64742-94-5, EC: 265-198-5


3.10/1 Asp. Tox. 1 H304
3.8/3 STOT SE 3 H336
4.1/C2 Aquatic Chronic 2 H411
EUH066

0.1-1 % Benzothiazole-2-thiol

Index number: 613-108-00-3, CAS: 149-30-4, EC: 205-736-8


3.4.2/1-1A-1B Skin Sens. 1,1A,1B H317
4.1/A1 Aquatic Acute 1 H400
4.1/C1 Aquatic Chronic 1 H410

0.1-1 % 1-(2-hydroxyethyl)-2-alkyl-2-imidazoline

CAS: 61791-39-7, EC: 263-171-2


3.1/4/Oral Acute Tox. 4 H302
3.2/1B Skin Corr. 1B H314
4.1/C1 Aquatic Chronic 1 H410

0.1-1 % Naphthalene

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


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

Declaration of ingredients according to Detergent Regulation 648/2004:
aromatic hydrocarbons < 5 %

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.
OBTAIN IMMEDIATE MEDICAL ATTENTION.
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 opthalmologist immediately.
Protect uninjured eye.

In case of Ingestion:
Do NOT induce vomiting.

In case of Inhalation:
Remove casualty to fresh air and keep warm and at rest.

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.
Contamined 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
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 date bulletin
None in particular

SECTION 8: Exposure controls/personal protection

8.1. Control parameters
Contained substances
Benzyl alcohol - CAS: 100-51-6
EU - LTE mg/m3(8h): 10 - Behaviour: Binding
Formic acid - CAS: 64-18-6
EU - LTE mg/m3(8h): 9 - LTE ppm: 5 - STE mg/m3: 18.82 - STE ppm: 10 - Behaviour: Binding
ACGIH - LTE mg/m3(8h): 9.4 - LTE ppm: 5 - STE mg/m3(15min): 18.8 - STE ppm: 10 - Behaviour: Binding - Critical effects: irritation of the skin, respiratory and eye
Aromatic hydrocarbon - CAS: 64742-94-5
EU - LTE mg/m3(8h): 100 - LTE ppm: 17 - Behaviour: Binding
Naphthalene - CAS: 91-20-3
EU - LTE mg/m3(8h): 50 - LTE ppm: 10 - STE mg/m3(15min): 78.64 - STE ppm: 15 - Behaviour: Binding - Notes: Skin, A4 - Critical effects: ocular damage, respiratory and eye irritation, blood.
ACGIH - LTE mg/m3(8h): 52 - LTE ppm: 10 - STE mg/m3(15min): 79 - STE ppm: 15 - Behaviour: Binding - Notes: Skin, A4
DNEL Exposure Limit Values
Benzyl alcohol - CAS: 100-51-6
Worker Professional: 47 mg/kg - Consumer: 28.5 - U.M.: mg/kg - Exposure: Human Dermal - Frequency: Short Term, systemic effects
Worker Professional: 450 mg/m3 - Consumer: 95.5 - U.M.: mg/m3 - Exposure: Human Inhalation - Frequency: Short Term, systemic effects
Worker Professional: 9.5 mg/kg - Consumer: 5.7 - U.M.: mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects
Worker Professional: 90 mg/m3 - Consumer: 19.1 - U.M.: mg/kg - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Consumer: 25 - U.M.: mg/kg - Exposure: Human Oral - Frequency: Short Term, systemic effects
Consumer: 5 - U.M.: mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

Formic acid - CAS: 64-18-6
Worker Professional: 9.5 mg/m3 - Consumer: 3 - U.M.: mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Consumer: 9.5 - U.M.: mg/m3 - Exposure: Human Inhalation - Frequency: Short Term, systemic effects
Aromatic hydrocarbon - CAS: 64742-94-5
Consumer: 7.5 - U.M.: mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects
Worker Professional: 12.5 mg/kg - Consumer: 7.5 - U.M.: mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects
Worker Professional: 150 mg/m3 - Consumer: 32 - U.M.: mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

PNEC Exposure Limit Values
Benzyl alcohol - CAS: 100-51-6
Target: Soil - Value: 0.456 mg/kg
Target: Sewerage treatment plants - Value: 39 mg/l
Target: Freshwater sediments - Value: 5.27 mg/kg
Target: Marine water sediments - Value: 0.527 mg/kg
Target: Marine water - Value: 0.1 mg/l
Formic acid - CAS: 64-18-6
Target: Fresh Water - Value: 2 mg/l
Target: Freshwater sediments - Value: 13.4 mg/kg
Target: Marine water - Value: 0.2 mg/l
Target: Marine water sediments - Value: 1.34 mg/kg
Target: Sewerage treatment plants - Value: 7.2 mg/l
Target: Soil - Value: 1.5 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:
Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.
Respiratory protection:
Not needed for normal use.
Thermal Hazards:
None
Environmental exposure controls:
None

Appropriate engineering controls:
None

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Method:	Notes:
Appearance and colour:	Vscous off-white liquid	--	--
Odour:	n.av.	--	--
Odour threshold:	n.av. mg/m3	--	--
pH:	3	--	--
Melting point / freezing point:	n.av. °C	--	--
Initial boiling point and boiling range:	initial 100 °C	--	--
Flash point:	> 93 °C	--	--
Evaporation rate:	n.av.	--	--
Solid/gas flammability:	na	--	--
Upper/lower flammability or explosive limits:	13.0 - 0.6 (calculated) % v/v	--	--
Vapour pressure:	2 - 3 kPa	--	--
Vapour density (air=1):	> 1	--	--

Relative density:	1,01 g/ml	--	--
Solubility in water:	partial	--	--
Solubility in oil:	n.av.	--	--
Partition coefficient (n-octanol/ water):	n.av.	--	--
Auto-ignition temperature:	> 400 (calculated) °C	--	--
Decomposition temperature:	n.av. °C	--	--
Viscosity:	7000-12000 mPa.s	--	--
Explosive properties:	None	--	--
Oxidizing properties:	Not Oxidant	--	--

9.2. Other information

Properties	**Value**	**Method:**	**Notes:**
Miscibility:	partial in water	--	--
Fat Solubility:	na	--	--
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 generate flammable gases on contact with elementary metals (alkalis and alkaline earth), nitrides, and powerful reducing agents.
It may catch fire on contact with oxidising mineral acids, elementary metals (alkalis and alkaline earth), nitrides, organic peroxides and hydroperoxides, oxidising agents, and reducing 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 product:
Not applicable
Toxicological information of the main substances found in the mixture:
Benzyl alcohol - CAS: 100-51-6
Type: a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat - Op.: = - Value: 1230 - U.M.: mg/kg
Test: LD50 - Route: Skin - Species: Rabbit - Op.: = - Value: 2000 - U.M.: mg/kg
Test: LC50 - Route: Inhalation - Species: Rat - Op.: = - Value: 1000 - U.M.: Ppm - Duration: 8 hours
Test: LC50 - Route: Inhalation - Species: Rat - Op.: > - Value: 4178 - U.M.: mg/l - Duration: 4 hours
Formic acid - CAS: 64-18-6
Type: a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat - Op.: = - Value: 730 - U.M.: mg/kg
Test: LC50 - Route: Inhalation - Species: Rat - Op.: = - Value: 7.4 - U.M.: mg/l - Duration: 4 hours
Type: b) skin corrosion/irritation:
Test: Skin Corrosive - Route: Skin - Species: Rabbit - Op.: Positive

Type: c) serious eye damage/irritation:
Test: Eye Corrosive - Route: EYES - Species: Rabbit - Op.: Positive - Source: OECD 404
Benzyl formate - CAS: 104-57-4
Type: a) acute toxicity:
Test: LD50 - Route: Skin - Species: Rabbit - Op.: = - Value: 2000 - U.M.: mg/kg
Aromatic hydrocarbon - CAS: 64742-94-5
Type: a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat - Op.: > - Value: 5000 - U.M.: mg/kg - Notes:Ingestion of even small amounts can cause pneumonia or edema
Test: LD50 - Route: Skin - Species: Rabbit - Op.: > - Value: 2000 - U.M.: mg/kg - Notes: degreasing effect, irritation
Test: LC50 - Route: Inhalation - Species: Rat - Op.: > - Value: 4688 - U.M.: mg/m3
Benzothiazole-2-thiol - CAS: 149-30-4
Type: a) acute toxicity:
Test: LD50 - Route: Oral - Species: Mouse - Op.: = - Value: 2000 - U.M.: mg/kg
Test: LD50 - Route: Skin - Species: Rabbit - Op.: = - Value: 2000 - U.M.: mg/kg
Type: d) respiratory or skin sensitisation:
Test: Skin Sensitization - Route: Skin - Op.: Positive
1-(2-hydroxyethyl)-2-alkyl-2-imidazoline - CAS: 61791-39-7
Type: a) acute toxicity:
Test: LD50 - Route: Oral - Species: male rat - Op.: = - Value: 947 - U.M.: mg/kg
Type: b) skin corrosion/irritation:
Test: Skin Corrosive - Route: Skin - Op.: Positive
Type: c) serious eye damage/irritation:
Test: Eye Corrosive - Route: EYES - Op.: Positive
Naphthalene - CAS: 91-20-3
Type: a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat - Op.: > - Value: 2000 - U.M.: mg/kg
Test: LD50 - Route: Skin - Species: Rat - Op.: > - Value: 2500 - U.M.: mg/kg
Test: LC50 - Route: Inhalation - Species: Rat - Op.: > - Value: 0.4 - U.M.: mg/l - Duration: 4 hours

If not differently specified, the information required in Regulation (EU)2015/830 listed below must be considered as N.A.:
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.
List of substances hazardous to the environment and eco-toxicological information available:
Benzyl alcohol - CAS: 100-51-6
Type: a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish - Op.: = - Value: 10 - U.M.: mg/l - Duration h: 96 - Notes: Lepomis Macrochirus
Endpoint: LC50 - Species: Fish - Op.: = - Value: 770 - U.M.: mg/l - Duration h: 1 - Notes: Pimephales promelas
Endpoint: EC50 - Species: Daphnia - Op.: = - Value: 230 - U.M.: mg/l - Duration h: 48 - Notes: Daphnia Magna
Endpoint: EC50 - Species: Daphnia - Op.: = - Value: 55 - U.M.: mg/l - Duration h: 24 - Notes: Daphnia Magna
Endpoint: EC50 - Species: Algae - Op.: = - Value: 770 - U.M.: mg/l - Duration h: 72 - Notes: Pseudokirchneriella subcapitata
Endpoint: EC50 - Species: Bacteria - Op.: = - Value: 390 - U.M.: mg/l - Duration h: 24
Formic acid - CAS: 64-18-6
Type: a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish - Op.: = - Value: 130 - U.M.: mg/l - Duration h: 96 - Notes: Brachydanio rerio
Endpoint: LC50 - Species: Fish - Op.: = - Value: 68 - U.M.: mg/l - Duration h: 96 - Notes: Leuciscus idus melanotus
Endpoint: EC50 - Species: Daphnia - Op.: = - Value: 32.19 - U.M.: mg/l - Duration h: 48 - Notes: Daphnia magna
Endpoint: EC50 - Species: Algae - Op.: = - Value: 1240 - U.M.: mg/l - Duration h: 72 - Notes: Selenastrum capricornutum
Endpoint: EC50 - Species: Algae - Op.: = - Value: 32.64 - U.M.: mg/l - Duration h: 72 - Notes:

Scenedesmus subspicatus
Endpoint: EC50 - Species: Bacteria - Op.: = - Value: 46.7 - U.M.: mg/l - Duration h: 17 - Notes: Pseudomonas putida
Type: b) Aquatic chronic toxicity:
Endpoint: NOEC - Species: Daphnia - Op.: = - Value: 102 - U.M.: mg/l - Duration h: 504 - Notes: Daphnia magna
Aromatic hydrocarbon - CAS: 64742-94-5
Type: a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish - Op.: > - Value: 2 - U.M.: mg/l - Duration h: 96 - Notes: Oncorhynchus mykiss
Endpoint: LC50 - Species: Fish - Op.: < - Value: 5 - U.M.: mg/l - Duration h: 96 - Notes: Oncorhynchus mykiss
Endpoint: EC50 - Species: Daphnia - Op.: > - Value: 3 - U.M.: mg/l - Duration h: 48 - Notes: Daphnia magna
Endpoint: EC50 - Species: Daphnia - Op.: < - Value: 10 - U.M.: mg/l - Duration h: 48 - Notes: Daphnia magna
Endpoint: EC50 - Species: Algae - Op.: = - Value: 11 - U.M.: mg/l - Duration h: 72 - Notes: Pseudokirchneriella subcapitata
1-(2-hydroxyethyl)-2-alkyl-2-imidazoline - CAS: 61791-39-7
Type: a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish - Op.: = - Value: 0.63 - U.M.: mg/l - Duration h: 96 - Notes: Oncorhynchus mykiss
Type: b) Aquatic chronic toxicity:
Endpoint: NOEL - Op.: = - Value: 0.22 - U.M.: mg/l
Naphthalene - CAS: 91-20-3
Type: a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish - Op.: = - Value: 0.9 - U.M.: mg/l - Duration h: 96 - Notes: Oncorhynchus gorbuscha
Endpoint: EC50 - Species: Daphnia - Op.: = - Value: 2.16 - U.M.: mg/l - Duration h: 48 - Notes: Daphnia magna
Endpoint: IC50 - Species: Algae - Op.: = - Value: 2.96 - U.M.: mg/l - Duration h: 72 - Notes: Selenastrum capricornutum

12.2. Persistence and degradability
Benzyl alcohol - CAS: 100-51-6
Biodegradability: Readily biodegradable - Test: Not applicable - Duration: Not applicable - %: Not applicable - Notes: Not applicable
Aromatic hydrocarbon - CAS: 64742-94-5
Biodegradability: Readily biodegradable - Test: Not applicable - Duration: 28 days - %: 58 - Notes: Not applicable
1-(2-hydroxyethyl)-2-alkyl-2-imidazoline - CAS: 61791-39-7
Biodegradability: Not applicableTest: OCSE 301 B: Evolution of CO2, Modified Sturm. - Duration: 28 days - %: 6 - Notes: Not applicable
12.3. Bioaccumulative potential
Not applicable
12.4. Mobility in soil
Naphthalene - CAS: 91-20-3
Mobility in soil: Mobile - Test: Not applicable Not applicable - Duration: Not applicable - Notes: 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:
08 01 19 * - aqueous suspensions containing paint or varnish containing organic solvents or other dangerous substances
HP8 - HP14
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.
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: 3412
- IATA-UN Number: 3412
- IMDG-UN Number: 3412

14.2. UN proper shipping name
- ADR-Shipping Name: FORMIC ACID with not less than 5% but less than 10% acid by mass
- IATA-Shipping Name: FORMIC ACID with not less than 5% but less than 10% acid by mass
- IMDG-Shipping Name: FORMIC ACID with not less than 5% but less than 10% acid by mass

14.3. Transport hazard class(es)
- ADR-Class: 8
- IATA-Class: 8
- IATA-Label: 8
- IMDG-Class: 8

14.4. Packing group
- ADR-Packing Group: III
- IATA-Packing group: III
- IMDG-Packing group: III

14.5. Environmental hazards
- ADR-Enviromental Pollutant: No
- IMDG-Marine pollutant: No

14.6. Special precautions for user
- ADR-Subsidiary risks: -
- ADR-S.P.: -
- ADR-Transport category (Tunnel restriction code): (E)
- IATA-Passenger Aircraft: 852
- IATA-Subsidiary risks: -
- IATA-Cargo Aircraft: 856
- IATA-S.P.: A803
- IATA-ERG: 8L
- IMDG-EmS: F-A , S-B
- IMDG-Subsidiary risks: -
- IMDG-Stowage and handling: Category A
- IMDG-Segregation: Clear of living quarters.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code
No

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
Dir. 98/24/EC (Risks related to chemical agents at work)
Dir. 2000/39/EC (Occupational exposure limit values)
Regulation (EC) n. 1907/2006 (REACH)
Regulation (EC) n. 1272/2008 (CLP)
Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013
Regulation (EU) 2015/830
Regulation (EU) n. 286/2011 (ATP 2 CLP)
Regulation (EU) n. 618/2012 (ATP 3 CLP)
Regulation (EU) n. 487/2013 (ATP 4 CLP)
Regulation (EU) n. 944/2013 (ATP 5 CLP)
Regulation (EU) n. 605/2014 (ATP 6 CLP)

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:
Restrictions related to the product:
Restriction 3
Restrictions related to the substances contained:
No restriction.

Volatile Organic compounds - VOCs = 32.97 %
Volatile Organic compounds - VOCs = 333.00 g/l
Volatile CMR substances = 0.00 %
Halogenated VOCs which are assigned the risk phrase R40 = 3.67 %
Organic Carbon - C = 0.19
Where applicable, refer to the following regulatory provisions :
Regulation (EC) n° 648/2004 (detergents).

15.2. Chemical safety assessment
Not available

SECTION 16: Other information

Full text of phrases referred to in Section 3:

H302 Harmful if swallowed.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H314 Causes severe skin burns and eye damage.
H304 May be fatal if swallowed and enters airways.
H336 May cause drowsiness or dizziness.
H411 Toxic to aquatic life with long lasting effects.
EUH066 Repeated exposure may cause skin dryness or cracking.
H317 May cause an allergic skin reaction.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H351 Suspected of causing cancer.

Hazard class and hazard category	Code	Description
Acute Tox. 4	3.1/4/Inhal	Acute toxicity (inhalation), Category 4
Acute Tox. 4	3.1/4/Oral	Acute toxicity (oral), Category 4
Asp. Tox. 1	3.10/1	Aspiration hazard, Category 1
Skin Corr. 1A	3.2/1A	Skin corrosion, Category 1A
Skin Corr. 1B	3.2/1B	Skin corrosion, Category 1B
Eye Dam. 1	3.3/1	Serious eye damage, Category 1
Eye Irrit. 2	3.3/2	Eye irritation, Category 2
Skin Sens. 1,1A,1B	3.4.2/1-1A-1B	Skin Sensitisation, Category 1,1A,1B
Carc. 2	3.6/2	Carcinogenicity, Category 2
STOT SE 3	3.8/3	Specific target organ toxicity - single exposure, Category 3
Aquatic Acute 1	4.1/A1	Acute aquatic hazard, category 1
Aquatic Chronic 1	4.1/C1	Chronic (long term) aquatic hazard, category 1
Aquatic Chronic 2	4.1/C2	Chronic (long term) aquatic hazard, category 2
Aquatic Chronic 3	4.1/C3	Chronic (long term) aquatic hazard, category 3

This safety data sheet has been completely updated in compliance to Regulation 2015/830.
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.
Directive 2012/18/EU (Seveso III)
Directive 2013/10/EU (aerosols) amending Directive 75/324/EEC on the approximation of the laws of the Member States relating to aerosol dispensers in order to adapt its labelling provisions to Regulation (EC) n° 1272/2008 on classification, labelling and packaging of substances and mixtures and subsequent amendments.
Regulation (EC) No 1223/2009 on cosmetic products and subsequent amendments.
Regulation (EU) No 126/2013 amending Annex XVII to Regulation (EC) No 1907/2006 on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) and subsequent amendments. Regulation (EC) N. 304/2003 and subsequent amendments. Regulation (EU) No 528/2012 concerning the making available on the market and use of biocidal products and subsequent amendments.
EU Regulament 1357/2014 (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:

ESIS: European chemical Substances Information System and Environmental hazard classification.
Occupational exposure limit values (Commission Directives 2000/39/EC and 2006/15/CE)
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:

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. VLPE = Occupational Exposure Limit Values. 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.