Safety Data Sheet
ACC 3340

Safety Data Sheet dated 17/3/2016, 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 3340

Product type: Toilet deodorant hygienizer

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:

None in particular

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. 1B, Causes severe skin burns and eye damage.

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

Warning, Aquatic Acute 1, Very toxic to aquatic life.

Aquatic Chronic 2, Toxic to aquatic life with long lasting effects.

Adverse physicochemical, human health and environmental effects:

If brought into contact with the skin, the product causes appreciable inflammation, with erythema, scabs, and oedema.

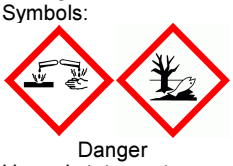
If brought into contact with the eyes, the product causes serious eye injury, such as opacity of the cornea or lesions to the iris.

This product is a threat to the environment; it is highly toxic for aquatic organisms following acute exposure.

2.2. Label elements

EC regulation criteria 1272/2008 (CLP)

Symbols:



Danger

Hazard statements:

H314 Causes severe skin burns and eye damage.
H400 Very toxic to aquatic life.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements:

P273 Avoid release to the environment.
P280 Wear protective gloves/clothing and eye/face 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 a POISON CENTER or doctor.
P391 Collect spillage.

Special Provisions:

None

Contents:

Fatty alchool C12 -15 ethoxylated
Quaternary ammonium compounds, benzyl-alkyldimethyl, chlorides
Oleylbis(2-hydroxyethyl)amine
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:
5-10 % Fatty alchool C12 -15 ethoxylated
CAS: 68131-39-5
3.1/4/Oral Acute Tox. 4 H302
3.3/1 Eye Dam. 1 H318
4.1/A1 Aquatic Acute 1 H400

1-5 % Quaternary ammonium compounds, benzyl-alkyldimethyl, chlorides
REACH N°: 01-2119970550-39-XXXX, CAS: 85409-22-9, EC: 939-350-2
4.1/C1 Aquatic Chronic 1 H410 M=1.
3.1/4/Oral Acute Tox. 4 H302
3.2/1B Skin Corr. 1B H314
4.1/A1 Aquatic Acute 1 H400 M=10.

1-5 % Oleylbis(2-hydroxyethyl)amine
CAS: 25307-17-9, EC: 246-807-3
3.1/4/Oral Acute Tox. 4 H302
3.2/1B Skin Corr. 1B H314
4.1/A1 Aquatic Acute 1 H400

1-5 % Tetrapotassium pyrophosphate
REACH N°: 01-2119489369-18, CAS: 7320-34-5, EC: 230-785-7
3.3/2 Eye Irrit. 2 H319

0.1-1 % Potassium hydroxide
REACH N°: 01-2119487136-33-XXXX, Index number: 019-002-00-8, CAS: 1310-58-3, EC: 215-181-3
2.16/1 Met. Corr. 1 H290
3.2/1A Skin Corr. 1A H314
3.1/4/Oral Acute Tox. 4 H302

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% Ethanol
REACH N°: 01-2119457610-43, Index number: 603-002-00-5, CAS: 64-17-5, EC: 200-578-6
2.6/2 Flam. Liq. 2 H225

<0.1% Benzyl alcohol
REACH N°: 01-2119492630-38-XXX, 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

<0.1%Aliphatic hydrocarbon
REACH N°: 01-2119474199-26-XXXX, Index number: 601-001-02-5, CAS: 124-18-5, EC: 204-686-4
2.6/3 Flam. Liq. 3 H226
3.10/1 Asp. Tox. 1 H304

Declaration of ingredients according to Detergent Regulation 648/2004:

non-ionic surfactants	5 - 15 %
cationic surfactants, phosphates, amphoteric surfactants	< 5 %

The product also contains: Perfumes

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.
Give nothing to eat or drink.

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 all sources of ignition.
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

Potassium hydroxide - CAS: 1310-58-3
ACGIH - STE mg/m3(15min): C 2 - STE ppm: C 0.87 - Behaviour: Binding - Critical effects: Cirritation of the skin, respiratory and eye.
OEL - LTE mg/m3(8h): 2 - STE mg/m3(15min): 2 - STE ppm: 0.87 - Behaviour: Binding

Ethanol - CAS: 64-17-5
ACGIH - LTE mg/m3(8h): 1900 - LTE ppm: 1000 - STE mg/m3(15min): 1884 - STE ppm: 1000 -

Behaviour: Binding - Notes: A3 - Critical effects:Respiratory irritation
OEL - STE mg/m3(15min): 1000 - Behaviour: Binding
Benzyl alcohol - CAS: 100-51-6
OEL - LTE mg/m3(8h): 10 - Behaviour: Binding

DNEL Exposure Limit Values
- CAS: 85409-22-9
Consumer: 3.4 - U.M.: mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects
Worker Professional: 3.96 mg/m3 - Consumer: 1.64 - U.M.: mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Worker Professional: 5.7 mg/kg - Consumer: 3.4 - U.M.: mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects
2,2'-(octadec-9-en-1-ylimino)diethanol - CAS: 25307-17-9
Worker Professional: 0.25 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects
Worker Professional: 1.76 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Tetrapotassium pyrophosphate - CAS: 7320-34-5
Worker Professional: 2.79 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, local effects
Consumer: 0.68 - U.M.: mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Potassium hydroxide - CAS: 1310-58-3
Worker Professional: 1 mg/m3 - Consumer: 1 - U.M.: mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, local effects
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

PNEC Exposure Limit Values
- CAS: 85409-22-9
Target: Marine water - Value: 0.00096 mg/l
Target: Fresh Water - Value: 0.0009 mg/l
Target: Occasional issue - Value: 0.00016 mg/l
Target: Marine water sediments - Value: 13.09 mg/kg
Target: Freshwater sediments - Value: 12.27 mg/kg
Target: Soil - Value: 7 mg/kg
Target: Sewerage treatment plants - Value: 0.4 mg/l
2,2'-(octadec-9-en-1-ylimino)diethanol - CAS: 25307-17-9
Target: Fresh Water - Value: 0.000214 mg/l
Target: Marine water - Value: 0.000021 mg/l
Target: Microorganisms in sewage treatments - Value: 1.5 mg/l
Target: Freshwater sediments - Value: 0.0171 mg/kg
Target: Marine water sediments - Value: 0.0171 mg/kg
Target: Soil - Value: 5 mg/kg
Tetrapotassium pyrophosphate - CAS: 7320-34-5
Target: Fresh Water - Value: 0.05 mg/l
Target: Marine water - Value: 0.005 mg/l
Target: Sewerage treatment plants - Value: 50 mg/l
Target: Occasional issue - Value: 0.5 mg/l
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

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:	Clear orange scented liquid	--	--
Odour:	Fresh	--	--
Odour threshold:	n.av. mg/m3	--	--
pH:	11,4	--	--
Melting point / freezing point:	initial 0 °C	--	--
Initial boiling point and boiling range:	initial 100 °C	--	--
Flash point:	none °C	--	--
Evaporation rate:	na	--	--
Solid/gas flammability:	na	--	--
Upper/lower flammability or explosive limits:	na % v/v	--	--
Vapour pressure:	3.2 kPa	--	--
Vapour density (air=1):	> 1	--	--
Relative density:	1.0 g/ml	--	--
Solubility in water:	Complete	--	--
Solubility in oil:	na	--	--
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:	not explosive	--	--
Oxidizing properties:	not Oxidant	--	--

9.2. Other information

Properties	Value	Method:	Notes:
Miscibility:	complete 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) and powerful reducing agents.
It may generate toxic gases on contact with oxidising mineral acids, halogenated organic substances, organic peroxides and hydroperoxides, and powerful oxidising agents.
It may catch fire on contact with 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 product:
Not applicable
Toxicological information of the main substances found in the mixture:
Fatty alchool C12 -15 ethoxylated - CAS: 68131-39-5
Type: a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat - Op.: > - Value: 300 - U.M.: mg/kg
Test: LD50 - Route: Skin - Species: Rabbit - Op.: > - Value: 2000 - U.M.: mg/kg
Type: b) skin corrosion/irritation:
Test: Skin Irritant - Op.: Negative
Type: c) serious eye damage/irritation:
Test: Eye Irritant - Route: EYES - Species: Rabbit - Op.: Yes
- CAS: 85409-22-9
Type: a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat - Op.: = - Value: 397.5 - U.M.: mg/kg
Test: LD50 - Route: Oral - Species: Rat - Op.: = - Value: 426 - U.M.: mg/kg
Test: LD50 - Route: Oral - Species: Mouse - Op.: = - Value: 919 - U.M.: mg/kg
Test: LD50 - Route: Skin - Species: Rat - Op.: > - Value: 800 - U.M.: mg/kg
Test: LD50 - Route: Skin - Species: Rabbit - Op.: = - Value: 3412 - U.M.: mg/kg
Type: b) skin corrosion/irritation:
Test: Eye Corrosive - Route: EYES - Species: Rabbit - Op.: Positive
Test: Skin Corrosive - Route: Skin - Species: Rat - Op.: Positive
2,2'-(octadec-9-en-1-ylimino)diethanol - CAS: 25307-17-9
Type: a) acute toxicity:
Test: LD50 - Route: Inhalation Vapour - Species: Rat - Op.: = - Value: 1 - U.M.: mg/kg
Test: LD50 - Route: Oral - Species: Rat - Op.: > - Value: 300 - U.M.: mg/kg
Test: LD50 - Route: Oral - Species: Rat - Op.: < - Value: 2000 - U.M.: mg/kg
Type: b) skin corrosion/irritation:
Test: Skin Corrosive - Route: Skin - Species: Rabbit - Op.: Positive - Duration: 4 hours
Type: c) serious eye damage/irritation:
Test: Eye Irritant - Route: EYES - Species: Rabbit - Op.: Positive
Tetrapotassium pyrophosphate - CAS: 7320-34-5
Type: a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat - Op.: > - Value: 1000 - 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: 1.1 - U.M.: mg/l - Duration: 4 hours
Potassium hydroxide - CAS: 1310-58-3
Type: a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat - Op.: = - Value: 333 - U.M.: mg/kg
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
Ethanol - CAS: 64-17-5
Type: a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rabbit - Op.: = - Value: 6300 - U.M.: mg/kg
Test: LD50 - Route: Oral - Species: Rat - Op.: = - Value: 10470 - U.M.: mg/kg
Test: LD50 - Route: Skin - Species: Rabbit - Op.: = - Value: 20 - U.M.: g/kg
Test: LC50 - Route: Inhalation - Species: Rat - Op.: = - Value: 124.7 - U.M.: mg/l - Duration: 4 hours
Test: LC50 - Route: Inhalation - Species: Rat - Op.: = - Value: 5.9 - U.M.: mg/l - Duration: 6 hours
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
Decane - CAS: 124-18-5
Type: a) acute toxicity:
Test: LC50 - Route: Inhalation - Species: Rat - Op.: > - Value: 5000 - U.M.: mg/m3 - Duration: 8 hours - Notes: vapours
Test: LD50 - Route: Oral - Species: Rat - Op.: > - Value: 2000 - U.M.: mg/kg
Test: LD50 - Route: Skin - Species: Rabbit - Op.: > - Value: 2000 - U.M.: mg/kg

If not differently specified, the information required in Regulation 2015/830/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.
List of substances hazardous to the environment and eco-toxicological information available:

Fatty alchool C12 -15 ethoxylated - CAS: 68131-39-5
a) Aquatic acute toxicity:
LC50 Fish > 1 mg/l 96 Cyprimus carpio
EC50 Daphnia > 1 mg/l 48 Daphnia magna
e) Plant toxicity:
EC50 Algae > 1 mg/l 72 Desmodesmus subspicatus
- CAS: 85409-22-9
a) Aquatic acute toxicity:
LC50 Fish = 0.515 mg/l 96
LC50 Fish = 0.85 mg/l 96
EC50 Daphnia = 0.016 mg/l 48 Daphnia magna
EC50 Daphnia = 0.02 mg/l 48
EC50 Algae = 0.06 mg/l 96 Selenastrum capricornum
IC50 Algae = 0.03 mg/l
IC50 Algae < 1 mg/l 72
IC50 Bacteria = 11 mg/l 0.5
b) Aquatic chronic toxicity:
NOEC Algae = 0.009 mg/l
2,2'-(octadec-9-en-1-ylimino)diethanol - CAS: 25307-17-9
a) Aquatic acute toxicity:
LC50 Fish = 0.39 mg/l 96
LC50 Fish < 1 mg/l 96 Carassius auratus
EC50 Daphnia < 1 mg/l 48
EC50 Algae < 1 mg/l 72
Tetrapotassium pyrophosphate - CAS: 7320-34-5
a) Aquatic acute toxicity:
LC50 Fish > 100 mg/l 96 Oncorhynchus mykiss
LC50 Daphnia = 100 mg/l 48 Daphnia magna
EC50 Algae > 100 mg/l 72 Desmodesmus subspicatus
Potassium hydroxide - CAS: 1310-58-3
a) Aquatic acute toxicity:
LC50 Fish = 80 mg/l 96 Gambusia affinis
LC50 Bacteria = 80 mg/l 24 Mosquito
Ethanol - CAS: 64-17-5
a) Aquatic acute toxicity:
LC50 Fish = 42 mg/l 96 Oncorhynchus mykiss
EC50 Daphnia = 2 mg/l 48 Daphnia magna
Benzyl alcohol - CAS: 100-51-6
a) Aquatic acute toxicity:
LC50 Fish = 10 mg/l 96 Lepomis Macrochirus
LC50 Fish = 770 mg/l 1 Pimephales promelas
EC50 Daphnia = 230 mg/l 48 Daphnia Magna
EC50 Daphnia = 55 mg/l 24 Daphnia Magna

EC50 Algae = 770 mg/l 72 Pseudokirchneriella subcapitata
EC50 Bacteria = 390 mg/l 24

Decane - CAS: 124-18-5
a) Aquatic acute toxicity:
LC50 Fish > 10 mg/l 96 Oncorhyncus mykiss
LC50 Fish < 100 mg/l 96 Oncorhyncus mykiss
EC50 Daphnia > 100 mg/l 48 Daphnia magna
EC50 Algae > 100 mg/l 72 Pseudokirchneriella subcapitata
EC50 Daphnia > 100 mg/l 96 Chaetogammarus marinus
b) Aquatic chronic toxicity:
NOEL Fish > 0.1 mg/l 672 Oncorhyncus mykiss
NOEL Fish < 1 mg/l 672 Oncorhyncus mykiss
NOEL Daphnia > 0.1 mg/l 504 Daphnia magna
NOEL Daphnia < 1 mg/l 504 Daphnia magna

12.2. Persistence and degradability
Fatty alchool C12 -15 ethoxylated - CAS: 68131-39-5
Biodegradability: Readily biodegradable - Test: OCSE 301 A: COD, depletion of dissolved organic carbon - Duration: 28 days - %: Not applicable - Notes: Not applicable
- CAS: 85409-22-9
Biodegradability: Readily biodegradable - Test: Not applicable - Duration: Not applicable - %: Not applicable - Notes: Not applicable
2,2'-(octadec-9-en-1-ylimino)diethanol - CAS: 25307-17-9
Biodegradability: Not persistent and Biodegradable - Test: OCSE 301D: Closed bottle, Respirometry: dissolved oxygen - Duration: Not applicable - %: 60 - Notes: Not applicable
Potassium hydroxide - CAS: 1310-58-3
Biodegradability: Non-readily biodegradable - Test: Not applicable - Duration: Not applicable - %: Not applicable - Notes: Not applicable
Ethanol - CAS: 64-17-5
Biodegradability: Readily biodegradable - Test: Not applicable - Duration: Not applicable - %: Not applicable - Notes: Not applicable
Benzyl alcohol - CAS: 100-51-6
Biodegradability: Readily biodegradable - Test: Not applicable - Duration: Not applicable - %: Not applicable - Notes: Not applicable
Decane - CAS: 124-18-5
Biodegradability: Readily biodegradable - Test: OCSE 301 F: Manometric Respirometry, Oxygen consumption - Duration: 28 days - %: 77 - Notes: 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
Fatty alchool C12 -15 ethoxylated - CAS: 68131-39-5
Bioaccumulation: Not bioaccumulative - Test: Not applicable Not applicable - Duration: Not applicable - Notes: Not applicable
- CAS: 85409-22-9
Bioaccumulation: Not applicableTest: BCF - Bioconcentrantion factor 0.5 - Duration: Not applicable - Notes: Not applicable
Bioaccumulation: Not applicableTest: Kow - Partition coefficient 0.5 - Duration: Not applicable - Notes: Not applicable
Ethanol - CAS: 64-17-5
Bioaccumulation: Not applicableTest: Kow - Partition coefficient -0.35 - Duration: Not applicable - Notes: Not applicable
Decane - CAS: 124-18-5
Bioaccumulation: Not bioaccumulative - Test: BCF - Bioconcentrantion factor 114.3 - Duration: Not applicable - Notes: Not applicable
Bioaccumulation: Not bioaccumulative - Test: Kow - Partition coefficient 5.86 - Duration: Not applicable - Notes: Not applicable

12.4. Mobility in soil
Fatty alchool C12 -15 ethoxylated - CAS: 68131-39-5
Mobility in soil: Mobile - Test: Not applicable Not applicable - Duration: Not applicable - Notes: Not applicable
Decane - CAS: 124-18-5
Mobility in soil: Not 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:

07 06 01* Aqueous solution of washing and mother liquors
HP4 - 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:	2735
IATA-UN Number:	2735
IMDG-UN Number:	2735

14.2 UN proper shipping name:

ADR-Shipping Name:	AMINES, LIQUID, CORROSIVE, N.O.S. or POLYAMINES, LIQUID, CORROSIVE, N.O.S.(Quaternary ammonium compounds, benzyl-alkyldimethyl, chlorides, Oleylbis(2-hydroxyethyl)amine)
IATA-Shipping Name:	AMINES, LIQUID, CORROSIVE, N.O.S. or POLYAMINES, LIQUID, CORROSIVE, N.O.S.(Quaternary ammonium compounds, benzyl-alkyldimethyl, chlorides, Oleylbis(2-hydroxyethyl)amine)
IATA-Technical name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
IMDG-Shipping Name:	AMINES, LIQUID, CORROSIVE, N.O.S. or POLYAMINES, LIQUID, CORROSIVE, N.O.S.(Quaternary ammonium compounds, benzyl-alkyldimethyl, chlorides, Oleylbis(2-hydroxyethyl)amine)
IMDG-Technical name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S

14.3 Transport hazard class(es):

ADR-Class:	8
ADR-Label:	9
ADR-Classification code: M6	
IATA-Class:	8
IATA-Label:	9
IMDG-Class:	8

14.4 Packing Group:

ADR-Packing Group:	II
IATA-Packing group:	II
IMDG-Packing group:	II

14.5 Environmental hazards

ADR-Enviromental Pollutant:	Yes
IMDG-Marine pollutant:	Marine Pollutant

14.6 Special Precautions for User

ADR-Subsidiary risks:	-
ADR-S.P.:	274
ADR-Tunnel Restriction Code:	(E)
IATA-Passenger Aircraft:	851
IATA-Subsidiary risks:	-
IATA-Cargo Aircraft:	855
IATA-S.P.:	A3 A803
IATA-ERG:	8L
IMDG-Page:	n.av.
IMDG-EmS:	F-A , S-B
IMDG-Subsidiary risks:	-
IMDG-MFAG:	A
IMDG-Storage category:	Category A
IMDG-Storage notes:	"Separated from" acids.

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

Non previsto

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
Restriction 40
Restrictions related to the substances contained:
No restriction.
Volatile Organic compounds - VOCs = 2.08 g/l
Volatile CMR substances = 0.00 %
Halogenated VOCs which are assigned the risk phrase R40 = 0.00 %
Organic Carbon - C = 0.00
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.
H318 Causes serious eye damage.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H314 Causes severe skin burns and eye damage.
H319 Causes serious eye irritation.
H290 May be corrosive to metals.
H317 May cause an allergic skin reaction.
H225 Highly flammable liquid and vapour.
H332 Harmful if inhaled.
H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
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 2003/105/EC ('Activities linked to risks of serious accidents') and subsequent amendments.
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:
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:
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.