

# Safety Data Sheet

## D-FLOOR



Safety Data Sheet dated 29/4/2016, 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: D-FLOOR  
Product type: Water based cleaner

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

Recommended use:

Washing and cleaning products (including solvent based products)

Uses advised against:

Not available

#### 1.3. Details of the supplier of the safety data sheet

Supplier:

AirChem Consumables, LOB 10, Office # 10F14, JAFZA, Dubai, UAE- Tel: +971-4-881 8084, Fax: +971-4-881 6022, Email: airacc@acc.ae

Competent person responsible for the safety data sheet:

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/](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)

- ⚠ Warning, Flam. Liq. 3, Flammable liquid and vapour.
- ⚠ Warning, Eye Irrit. 2, Causes serious eye irritation.
- ⚠ Warning, Skin Sens. 1, May cause an allergic skin reaction.

Adverse physicochemical, human health and environmental effects:

If brought into contact with the skin, the product may cause sensitisation of the skin.

#### 2.2. Label elements

EC regulation criteria 1272/2008 (CLP)

Hazard pictograms:



Warning

Hazard statements:

H226 Flammable liquid and vapour.  
H319 Causes serious eye irritation.  
H317 May cause an allergic skin reaction.

Precautionary statements:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P280 Wear protective gloves/clothing and eye/face protection.  
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
P337+P313 If eye irritation persists: Get medical advice/attention.  
P370+P378 In case of fire use water spray, CO<sub>2</sub>, foam, dry chemical, Halon, any class "C" extinction media to extinguish.  
P501 Dispose of contents/container in accordance with applicable regulations.

Special Provisions:

None

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1,2-benzisothiazol-3(2H)-one

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

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### 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 % Propan-2-ol

REACH N°: 01-2119457558-25-XXXX, Index number: 603- 117-00-0, CAS: 67-63-0, EC: 200-661-7

⚠ 2.6/2 Flam. Liq. 2 H225

⚠ 3.3/2 Eye Irrit. 2 H319

⚠ 3.8/3 STOT SE 3 H336

1-5 % 2-butoxyethanol

REACH N°: 01-2119475108-36-XXXX, Index number: 603- 014-00-0, CAS: 111-76-2, EC: 203-905-0

⚠ 3.3/2 Eye Irrit. 2 H319

⚠ 3.2/2 Skin Irrit. 2 H315

⚠ 3.1/4/Oral Acute Tox. 4 H302

⚠ 3.1/4/Dermal Acute Tox. 4 H312

⚠ 3.1/4/Inhal Acute Tox. 4 H332

1-5 % Alcohol (C9-11) polyglycoether

CAS: 68439-46-3

⚠ 3.1/4/Oral Acute Tox. 4 H302

⚠ 3.3/1 Eye Dam. 1 H318

0.1-1 % 1-methoxy-2-propanol

REACH N°: 01-2119457435-35-XXXX, Index number: 603- 064-00-3, CAS: 107-98-2, EC: 203-539-1

⚠ 2.6/3 Flam. Liq. 3 H226

⚠ 3.8/3 STOT SE 3 H336

0.1-1 % 1,2-benzisothiazol-3(2H)-one

Index number: 613-088-00-6, CAS: 2634-33-5, EC: 220-120-9

⚠ 3.2/2 Skin Irrit. 2 H315

⚠ 3.3/1 Eye Dam. 1 H318

⚠ 3.4.2/1-1A-1B Skin Sens. 1,1A,1B H317

⚠ 4.1/A1 Aquatic Acute 1 H400 M=1.

⚠ 3.1/4/Oral Acute Tox. 4 H302

Declaration of ingredients according to Detergent Regulation 648/2004:

EDTA and salts, non-ionic surfactants < 5 %

The product also contains: Disinfectants, Perfumes

Allergens: Limonene

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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.

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

Wash thoroughly the body (shower or bath).

Remove contaminated clothing immediately and dispose off safely.

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

In case of eyes contact:

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

Protect uninjured eye.

In case of Ingestion:

Do NOT induce vomiting.

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

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#### SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

In case of fire use water spray, CO<sub>2</sub>, foam, dry chemical, Halon, any class "C" extinction media to extinguish.

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.

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#### 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

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#### 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.

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

Contaminated clothing should be changed before entering eating areas.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

#### 7.2. Conditions for safe storage, including any incompatibilities

Store at below 20 °C. Keep away from unguarded flame and heat sources. Avoid direct exposure to sunlight.

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 data bulletin

None in particular

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## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Contained substances

Propan-2-ol - CAS: 67-63-0

EU - LTE mg/m<sup>3</sup>(8h): 375 - LTE ppm: 100 - STE mg/m<sup>3</sup>(15min): 568 - STE ppm:

150 - Behaviour: Binding - Notes: A4, IBE

ACGIH - LTE mg/m<sup>3</sup>(8h): 492 - LTE ppm: 200 - STE mg/m<sup>3</sup>(15min): 983 - STE

ppm: 400 - Behaviour: Binding - Notes: A4, IBE - Critical effects: Irritation of the upper respiratory tract and eye, central nervous system.

2-butoxyethanol - CAS: 111-76-2

EU - LTE mg/m<sup>3</sup>(8h): 98 - LTE ppm: 20 - STE mg/m<sup>3</sup>(15min): 246 - STE ppm: 50

- Behaviour: Binding - Notes: A3

ACGIH - LTE mg/m<sup>3</sup>(8h): 97 - LTE ppm: 20 - STE mg/m<sup>3</sup>(15min): 246 - STE ppm:

50 - Behaviour: Binding - Notes: A3, IBE - Critical effects: eye and respiratory irritation

1-methoxy-2-propanol - CAS: 107-98-2

EU - LTE mg/m<sup>3</sup>(8h): 375 - LTE ppm: 100 - STE mg/m<sup>3</sup>(15min): 563 - STE ppm:

150 - Behaviour: Binding

ACGIH - LTE mg/m<sup>3</sup>(8h): 184 - LTE ppm: 50 - STE mg/m<sup>3</sup>(15min): 368 - STE

ppm: 100 - Notes: A4 - Critical effects: eye irritation and upper respiratory tract

DNEL Exposure Limit Values

Propan-2-ol - CAS: 67-63-0

Worker Professional: 888 mg/kg - Consumer: 319 - U.M.: mg/kg - Exposure:

Human Dermal - Frequency: Long Term (repeated)

Worker Professional: 500 mg/m<sup>3</sup> - Consumer: 89 - U.M.: mg/m<sup>3</sup> - Exposure:

Human Inhalation - Frequency: Long Term (repeated)

Consumer: 26 - U.M.: mg/kg - Exposure: Human Oral - Frequency: Long Term (repeated)

1-methoxy-2-propanol - CAS: 107-98-2

Worker Professional: 369 mg/m<sup>3</sup> - Consumer: 43.9 - U.M.: mg/m<sup>3</sup> - Exposure:

Human Inhalation - Frequency: Long Term, systemic effects

Worker Professional: 553.5 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency:

Short Term, local effects

Worker Professional: 50.6 mg/kg - Consumer: 18.1 - U.M.: mg/kg - Exposure:

Human Dermal - Frequency: Long Term, systemic effects

Consumer: 3.3 - U.M.: mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

PNEC Exposure Limit Values

2-butoxyethanol - CAS: 111-76-2

Target: Fresh Water - Value: 8.8 mg/l

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Target: Marine water - Value: 8.8 mg/l  
 Target: Soil (agricultural) - Value: 2.8 mg/kg  
 1-methoxy-2-propanol - CAS: 107-98-2  
 Target: Occasional issue - Value: 100 mg/l  
 Target: Freshwater sediments - Value: 100 mg/l  
 Target: Marine water sediments - Value: 5.2 mg/kg  
 Target: Soil - Value: 5.49 mg/kg  
 Target: Fresh Water - Value: 10 mg/l  
 Target: Marine water - Value: 1 mg/l  
 Target: Soil (agricultural) - Value: 52.3 mg/kg  
 Target: Sewerage treatment plants - Value: 100 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

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## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Properties	Value	Method:	Notes:
Appearance and colour:	Clear scented liquid	--	--
Odour:	Fresh scent	--	--
Odour threshold:	n.av. mg/m3	--	--
pH:	11	--	--
Melting point / freezing point:	initial 0 °C	--	--
Initial boiling point and boiling range:	86 °C	--	--
Flash point:	52 °C	--	--
Evaporation rate:	n.av.	--	--
Solid/gas flammability:	na	--	--
Upper/lower flammability or explosive limits:	13.7-1.2 % v/v	--	--
Vapour pressure:	>3.2 kPa	--	--

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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:	>200 °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), 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

Avoid contact with combustible materials. 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 mixture:

Not applicable

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Toxicological information of the main substances found in the mixture:

Propan-2-ol - CAS: 67-63-0

Type: a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat - Op.: = - Value: 5.84 - U.M.: g/kg

Test: LD50 - Route: Skin - Species: Rabbit - Op.: = - Value: 16.4 - U.M.: ml/kg

Test: LD50 - Route: Skin - Species: Rabbit - Op.: = - Value: 12870 - U.M.: mg/kg

Test: LC50 - Route: Inhalation - Species: Rat - Op.: = - Value: 72.6 - U.M.: mg/l -

Duration: 4 hours

Test: LC50 - Route: Inhalation Vapour - Species: Rat - Op.: > - Value: 10000 - U.M.: Ppm

- Duration: 6 hours - Notes: Male and female

Type: b) skin corrosion/irritation:

Test: Skin Irritant - Species: Rabbit - Op.: Positive

Type: c) serious eye damage/irritation:

Test: Eye Irritant - Species: Rabbit - Op.: Positive

Type: f) carcinogenicity:

Test: NOAEC - Species: Rat - Op.: = - Value: 5000 - U.M.: Ppm

Type: g) reproductive toxicity:

Test: NOAEL - Species: Rabbit - Op.: = - Value: 480 - U.M.: mg/kg

2-butoxyethanol - CAS: 111-76-2

Type: a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat - Op.: = - Value: 470 - U.M.: mg/kg

Test: LD50 - Route: Skin - Species: Rabbit - Op.: = - Value: 220 - U.M.: mg/kg

Test: LC50 - Route: Inhalation - Species: Rat - Op.: = - Value: 2.21 - U.M.: mg/l -

Duration: 4 hours

Alcohol (C9-11) polyglycoether - CAS: 68439-46-3

Type: a) acute toxicity:

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

Test: LC50 - Route: Inhalation - Op.: > - Value: 5 - U.M.: mg/l

1-methoxy-2-propanol - CAS: 107-98-2

Type: a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat - Op.: = - Value: 4016 - 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: 25.8 - U.M.: mg/l

Test: LC0 - Route: Inhalation - Species: Rat - Op.: > - Value: 7000 - U.M.: Ppm - Duration:

6 hours

Type: b) skin corrosion/irritation:

Test: Skin Irritant - Species: MAN - Op.: Positive

Test: Eye Irritant - Species: MAN - Op.: Positive

Type: e) germ cell mutagenicity:

Test: NOAEL - Species: Rat - Op.: = - Value: 300 - U.M.: Ppm

Type: f) carcinogenicity:

Test: NOAEC - Species: Mouse - Op.: = - Value: 3000 - U.M.: Ppm

Type: g) reproductive toxicity:

Test: NOAEL - Species: Rat - Op.: = - Value: 1500 - U.M.: Ppm

1,2-benzisothiazol-3(2H)-one - CAS: 2634-33-5

Type: a) acute toxicity:

Test: LD50 - Route: Oral - Op.: = - Value: 1221 - U.M.: mg/kg

Test: LD50 - Route: Ingestion - Species: Rat - Op.: > - Value: 1150 - U.M.: mg/kg

Test: LD50 - Route: Skin - Species: Rat - Op.: > - Value: 2000 - U.M.: mg/kg

Type: b) skin corrosion/irritation:

Test: Skin Irritant - Route: Skin - Species: Rabbit - Op.: Positive

Type: c) serious eye damage/irritation:

Test: Eye Corrosive - Route: EYES - Species: Rabbit - Op.: Positive

Type: d) respiratory or skin sensitisation:

Test: Skin Sensitization - Route: Skin - Op.: Positive

If not differently specified, the information required in Regulation (EU)2015/830 listed below must be

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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.

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### 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:

Propan-2-ol - CAS: 67-63-0

Type: a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish - Op.: = - Value: 1400 - U.M.: mg/l - Duration h: 96 -

Notes: Lepomis machrochirus

Endpoint: LC50 - Species: Fish - Op.: = - Value: 9640 - U.M.: mg/l - Duration h: 96 -

Notes: Pimephales promelas

Endpoint: LC50 - Species: Fish - Op.: > - Value: 100 - U.M.: mg/l - Duration h: 96 -

Notes: Pimephales promelas

Endpoint: EC50 - Species: Daphnia - Op.: = - Value: 2285 - U.M.: mg/l - Duration h:

48 - Notes: Daphnia magna

Endpoint: EC50 - Species: Daphnia - Op.: > - Value: 100 - U.M.: mg/l - Duration h:

48 - Notes: Daphnia magna

Endpoint: EC50 - Species: Algae - Op.: = - Value: 100 - U.M.: mg/l - Duration h: 72

- Notes: Scenedesmus subspicatus

Endpoint: EC50 - Species: Algae - Op.: > - Value: 100 - U.M.: mg/l - Duration h: 72

- Notes: Scenedesmus subspicatus

Type: b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Daphnia - Op.: = - Value: 30 - U.M.: mg/l - Duration h:

504 - Notes: Daphnia magna

2-butoxyethanol - CAS: 111-76-2

Type: a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish - Op.: = - Value: 1000 - U.M.: mg/l - Duration h: 96 -

Notes: Oncorhynchus mykiss

Endpoint: EC50 - Species: Daphnia - Op.: = - Value: 1550 - U.M.: mg/l - Duration h:

48 - Notes: Daphnia magna

Endpoint: IC50 - Species: Algae - Op.: = - Value: 1840 - U.M.: mg/l - Duration h: 72

- Notes: Pseudo kirchneriella subspicata

Alcohol (C9-11) polyglycoether - CAS: 68439-46-3

Type: a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Fish - Op.: = - Value: 5 - U.M.: mg/l - Duration h: 96

Endpoint: EC50 - Species: Daphnia - Op.: = - Value: 5.3 - U.M.: mg/l - Duration h:

48

1-methoxy-2-propanol - CAS: 107-98-2

Type: a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish - Op.: = - Value: 20800 - U.M.: mg/l - Duration h: 96

- Notes: Pimephales promelas

Endpoint: LC50 - Species: Daphnia - Op.: = - Value: 23300 - U.M.: mg/l - Duration

h: 48 - Notes: Daphnia magna

Endpoint: EC50 - Species: Daphnia - Op.: > - Value: 21100 - U.M.: mg/l - Duration

h: 48 - Notes: Daphnia magna



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Endpoint: EC50 - Species: Daphnia - Op.: < - Value: 25900 - U.M.: mg/l - Duration h: 48 - Notes: Daphnia magna

Endpoint: EC50 - Species: Algae - Op.: > - Value: 1000 - U.M.: mg/l - Duration h: 168 - Notes: Selenastrum capricornutum

Endpoint: LC50 - Species: Fish - Op.: = - Value: 6812 - U.M.: mg/l - Duration h: 96 - Notes: Leuciscus idus

Endpoint: LC50 - Species: Fish - Op.: > - Value: 1000 - U.M.: mg/l - Duration h: 96 - Notes: Oncorhynchus mykiss

Type: c) Bacteria toxicity:

Endpoint: EC50 - Species: Bacteria - Op.: > - Value: 1000 - U.M.: mg/l - Duration h: 3 - Notes: Fango attivo domestico

1,2-benzisothiazol-3(2H)-one - CAS: 2634-33-5

Type: a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish - Op.: = - Value: 2.18 - U.M.: mg/l - Duration h: 96 - Notes: Onchorhynchus mykiss

Endpoint: LC50 - Species: Fish - Op.: = - Value: 0.16 - U.M.: mg/l - Duration h: 96 - Notes: Lepomis macrochirus

Endpoint: EC50 - Species: Daphnia - Op.: = - Value: 0.42 - U.M.: mg/l - Duration h: 48 - Notes: Daphnia magna

Endpoint: EC50 - Species: Algae - Op.: = - Value: 0.11 - U.M.: mg/l - Duration h: 72 - Notes: Pseudokirchneriella subcapitata

Endpoint: IC50 - Species: Algae - Op.: = - Value: 0.084 - U.M.: mg/l - Duration h: 72 - Notes: Senedemus subspicatus

Endpoint: EC50 - Species: Bacteria - Op.: = - Value: 30.2 - U.M.: mg/l

Type: b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Daphnia - Op.: = - Value: 0.0016 - U.M.: mg/l - Notes: Daphnia magna

#### 12.2. Persistence and degradability

Propan-2-ol - CAS: 67-63-0

Biodegradability: Readily biodegradable - Test: Not applicable - Duration: Not applicable - %: Not applicable - Notes: Not applicable

2-butoxyethanol - CAS: 111-76-2

Biodegradability: Readily biodegradable - Test: Not applicable - Duration: 28 days - %: 100 - Notes: Not applicable

1-methoxy-2-propanol - CAS: 107-98-2

Biodegradability: Readily biodegradable - Test: OCSE 301 E: Modified OCSE Screening, exhaustion of COD - Duration: 28 days - %: 96 - Notes: Not applicable

1,2-benzisothiazol-3(2H)-one - CAS: 2634-33-5

Biodegradability: Readily biodegradable - Test: Not applicable - Duration: Not applicable - %: Not applicable - 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

Propan-2-ol - CAS: 67-63-0

Bioaccumulation: Not bioaccumulative - Test: Kow - Partition coefficient 0.05 - Duration: Not applicable - Notes: Not applicable

1-methoxy-2-propanol - CAS: 107-98-2

Bioaccumulation: Not bioaccumulative - Test: Kow - Partition coefficient -0.437 - Duration: Not applicable - Notes: Not applicable

1,2-benzisothiazol-3(2H)-one - CAS: 2634-33-5

Bioaccumulation: Not bioaccumulative - Test: BCF - Bioconcentration factor 6.95 - Duration: Not applicable - Notes: Not applicable

#### 12.4. Mobility in soil

Propan-2-ol - CAS: 67-63-0

Mobility in soil: Mobile - Test: Not applicable - Duration: Not applicable - Notes: Not applicable

1-methoxy-2-propanol - CAS: 107-98-2

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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

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### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Product and its residue:

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

The codes indicating the type of waste are considered based on the recommendations and scheduled use of this product. Different codes may be assigned based on the end user's use and the characteristics of the disposal.

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

07 06 01\* Aqueous solution of washing and mother liquors

HP3 - HP4 - HP13

Any remaining product should be disposed of with the material.

Containers/contaminated packaging

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

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

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### SECTION 14: Transport information



#### 14.1 UN number:

ADR-UN Number: 1993

IATA-UN Number: 1993

IMDG-UN Number: 1993

#### 14.2. UN proper shipping name

ADR-Shipping Name: FLAMMABLE LIQUID, N.O.S.(Propan-2-ol)

IATA-Shipping Name: FLAMMABLE LIQUID, N.O.S.(Propan-2-ol)

IMDG-Shipping Name: FLAMMABLE LIQUID, N.O.S.(Propan-2-ol)

#### 14.3. Transport hazard class(es)

ADR-Class: 3

IATA-Class: 3

IMDG-Class: 3

#### 14.4. Packing group

ADR-Packing Group: III

IATA-Packing group: III

IMDG-Packing group: III

#### 14.5. Environmental hazards

ADR-Environmental Pollutant: No

IMDG-Marine pollutant: No

#### 14.6. Special precautions for user

ADR-Subsidiary risks: -

ADR-S.P.: 274 601 640E

ADR-Transport category (Tunnel restriction code): 3 (D/E)

IATA-Passenger Aircraft: 355

IATA-Subsidiary risks: -

IATA-Cargo Aircraft: 366

IATA-S.P.: A3

IATA-ERG: 3L

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IMDG-EmS: F-E , S-E  
IMDG-Subsidiary risks: -  
IMDG-Stowage and handling: Category A  
IMDG-Segregation: -

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

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### 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 = 9.83 %

Volatile Organic compounds - VOCs = 98.26 g/l

Volatile CMR substances = 0.00 %

Halogenated VOCs which are assigned the risk phrase R40 = 0.00 %

Organic Carbon - C = 0.06

Where applicable, refer to the following regulatory provisions :

Regulation (EC) n°648/2004 (detergents).

Seveso III category according to Annex 1, part 1

Product belongs to category: Not applicable

15.2. Chemical safety assessment  
Not available

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### SECTION 16: Other information

Full text of phrases referred to in Section 3:

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

H315 Causes skin irritation.

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H332 Harmful if inhaled.

H318 Causes serious eye damage.

H226 Flammable liquid and vapour.

H317 May cause an allergic skin reaction.

H400 Very toxic to aquatic life.

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Hazard class and hazard category	Code	Description
Flam. Liq. 2	2.6/2	Flammable liquid, Category 2
Flam. Liq. 3	2.6/3	Flammable liquid, Category 3
Acute Tox. 4	3.1/4/Dermal	Acute toxicity (dermal), Category 4
Acute Tox. 4	3.1/4/Inhal	Acute toxicity (inhalation), Category 4
Acute Tox. 4	3.1/4/Oral	Acute toxicity (oral), Category 4
Skin Irrit. 2	3.2/2	Skin irritation, Category 2
Eye Dam. 1	3.3/1	Serious eye damage, Category 1
Eye Irrit. 2	3.3/2	Eye irritation, Category 2
Skin Sens. 1	3.4.2/1	Skin Sensitisation, Category 1
Skin Sens. 1,1A,1B	3.4.2/1-1A-1B	Skin Sensitisation, Category 1,1A,1B
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

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°1272/2 008; 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.

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.

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#### 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-weighted average, 8-hour workday, 40-hour workweek;

TLV-STEL-15 min = Threshold Limit Values - Short Term Exposure Limit; TLV-C = Ceiling

exposure limit; Notes: IBE= Biological Exposure Indices; SEN= sensitizer; Skin= Can be

absorbed through the skin. Carcinogenicity categories: A1 / A2 = confirmed / suspected human

carcinogen; A3 = Animal carcinogen; A4 / A5 = Not Classifiable/not suspected as a human

carcinogen. ACGIH = American Conference on Governmental Industrial Hygienists. OEL

=Occupational Exposure Limit. 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.