

Safety Data Sheet ECO CAPS FLOOR ECOLABEL

Safety Data Sheet dated 3/11/2014, version 1

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

- 1.1. Product identifier
Mixture identification
Trade name: ECO CAPS FLOOR ECOLABEL
- 1.2. Relevant identified uses of the substance or mixture and uses advised against
Recommended use:
Concentrated detergent for hard surfaces.
Uses advised against:
Do not use in combination with other products.
- 1.3. Details of the supplier of the safety data sheet
Manufacturer:

SUTTER INDUSTRIES s.p.a. - Società con Unico Socio
15060 Borghetto Borbera (AL) Italia
Tel. +39 0143 631.1
- Competent person responsible for the safety data sheet:
regulatory.affairs@sutter.it
- 1.4. Emergency telephone number
+39 0143 631.1

SECTION 2: Hazards identification

- 2.1. Classification of the substance or mixture
Directive criteria, 67/548/CE, 99/45/EC and following amendments thereof:
Properties / Symbols:
☒ Xi Irritant
- R Phrases:
R41 Risk of serious damage to eyes.
- EC regulation criteria 1272/2008 (CLP)
⚠ Warning, Eye Irrit. 2, Causes serious eye irritation.
Adverse physicochemical, human health and environmental effects:
No other hazards
- 2.2. Label elements
Symbols:



- Warning
- Hazard statements:
H319 Causes serious eye irritation.
- Precautionary statements:
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P264 Wash hands thoroughly after handling.
P280 Wear eye protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists: Get medical advice/attention.
- Special Provisions:
None
- Contents

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2-PROPYLHEPTANOL ETHOXYLATED PROPOXYLATED
ETHOXYLATED FATTY ALCOHOL

PIN-2(3)-ENE: May produce an allergic reaction.

COUMARIN: May produce an allergic reaction.

TURPENTINE OIL: May produce an allergic reaction.

METHYLCHLOROISOTHIAZOLINONE, METHYLISOTHIAZOLINONE: May produce an allergic reaction.

Product contents:

non-ionic surfactants > 30 %

soap, anionic surfactants < 5 %

The product also contains: Perfumes

Allergens: BENZYL ALCOHOL, COUMARIN, D-LIMONENE

Preservatives: METHYLCHLOROISOTHIAZOLINONE, METHYLISOTHIAZOLINONE

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

N.A.

3.2. Mixtures

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

>= 25% - < 30% 2-(2-BUTOXYETHOXY)ETHANOL; DIETHYLENE GLYCOL MONOBUTYL ETHER
REACH No.: 01-2119475104-44, Index number: 603-096-00-8, CAS: 112-34-5, EC: 203-961-6
Xi; R36

⚠ 3.3/2 Eye Irrit. 2 H319

>= 20% - < 25% DIPROPYLENE GLYCOL MONOMETHYL ETHER; (2-METHOXYMETHYLETHOXY)
PROPANOL

REACH No.: 01-2119450011-60, CAS: 34590-94-8, EC: 252-104-2
substance with a Community workplace exposure limit

>= 15% - < 20% 2-PROPYLHEPTANOL ETHOXYLATED PROPOXYLATED

Xn,Xi; R22-41

⚠ 3.3/1 Eye Dam. 1 H318

⚠ 3.1/4/Oral Acute Tox. 4 H302

>= 10% - < 12.5% ETHOXYLATED FATTY ALCOHOL

CAS: 27252-75-1

Xi; R41

⚠ 3.3/1 Eye Dam. 1 H318

>= 7% - < 10% OXIRANE, METHYL-, POLYMER WITH OXIRANE, MONOBUTYL ETHER

REACH No.: 02-2119630717-36, CAS: 9038-95-3

Xn; R22

⚠ 3.1/4/Oral Acute Tox. 4 H302

>= 7% - < 10% ALCOXYLATED FATTY ALCOHOL

REACH No.: 02-2119552554-37, CAS: 111905-53-4

Xi; R36/38

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⚠ 3.3/2 Eye Irrit. 2 H319

>= 3% - < 5% SCENTED ESSENCES R50/53 M=1

N; R50/53

- ⚠ 4.1/A1 Aquatic Acute 1 H400
- ⚠ 4.1/C1 Aquatic Chronic 1 H410

>= 0.5% - < 1% 2-AMINOETHANOL; ETHANOLAMINE

REACH No.: 01-2119486455-28, Index number: 603-030-00-8, CAS: 141-43-5, EC: 205-483-3
Xn,Xi,C; R37-20/21/22-34

- ⚠ 3.2/1B Skin Corr. 1B H314
- 4.1/C3 Aquatic Chronic 3 H412
- ⚠ 3.8/3 STOT SE 3 H335
- ⚠ 3.1/4/Oral Acute Tox. 4 H302
- ⚠ 3.1/4/Dermal Acute Tox. 4 H312
- ⚠ 3.1/4/Inhal Acute Tox. 4 H332

>= 0.25% - < 0.5% CINEOLE

CAS: 470-82-6, EC: 207-431-5

Xi; R10-43

- ⚠ 2.6/3 Flam. Liq. 3 H226
- ⚠ 3.4.2/1 Skin Sens. 1 H317

>= 0.25% - < 0.5% SCENTED ESSENCES R51/53

N; R51/53

- ⚠ 4.1/C2 Aquatic Chronic 2 H411

>= 0.1% - < 0.25% COUMARIN

CAS: 91-64-5, EC: 202-086-7

Xn,Xi; R48/22-43

- ⚠ 3.1/4/Oral Acute Tox. 4 H302
- ⚠ 3.9/2 STOT RE 2 H373
- ⚠ 3.4.2/1-1A-1B Skin Sens. 1, 1A, 1B H317

>= 0.1% - < 0.25% 2,6,6-TRIMETHYL-BICYCLO-[3.1.1]HEPT-2-ENE

CAS: 7785-70-8, EC: 201-291-9

Xn,Xi,N; R50/53-65-10-43

- ⚠ 2.6/3 Flam. Liq. 3 H226
- ⚠ 3.4.2/1-1A-1B Skin Sens. 1, 1A, 1B H317
- ⚠ 3.10/1 Asp. Tox. 1 H304
- ⚠ 4.1/A1 Aquatic Acute 1 H400
- ⚠ 4.1/C1 Aquatic Chronic 1 H410

>= 0.1% - < 0.25% TURPENTINE OIL

CAS: 8006-64-2, EC: 232-350-7

Xn,Xi,N; R51/53-65-20/21/22-10-43-36/38

- ⚠ 2.6/3 Flam. Liq. 3 H226
- ⚠ 3.1/4/Inhal Acute Tox. 4 H332
- ⚠ 3.1/4/Dermal Acute Tox. 4 H312
- ⚠ 3.1/4/Oral Acute Tox. 4 H302
- ⚠ 3.3/2 Eye Irrit. 2 H319
- ⚠ 3.2/2 Skin Irrit. 2 H315
- ⚠ 3.4.2/1-1A-1B Skin Sens. 1, 1A, 1B H317
- ⚠ 3.10/1 Asp. Tox. 1 H304
- ⚠ 4.1/C2 Aquatic Chronic 2 H411

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

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

Wash thoroughly the body (shower or bath).

Remove contaminated clothing immediately and dispose off safely.

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 under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

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.

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- 6.4. Reference to other sections
See also section 8 and 13

SECTION 7: Handling and storage

- 7.1. Precautions for safe handling
Avoid contact with skin and eyes, inhalation of vapours and mists.
Don't use empty container before they have been cleaned.
Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.
Contaminated clothing should be changed before entering eating areas.
Do not eat or drink while working.
See also section 8 for recommended protective equipment.
- 7.2. Conditions for safe storage, including any incompatibilities
Store away from sunlight.
Store in a cool and well ventilated place.
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)
None in particular

SECTION 8: Exposure controls/personal protection

- 8.1. Control parameters
2-(2-BUTOXYETHOXY)ETHANOL; DIETHYLENE GLYCOL MONOBUTYL ETHER - CAS: 112-34-5
EU - LTE(8h): 67,5 mg/m³, 10 ppm - STE: 101,2 mg/m³, 15 ppm - Notes: Bold-type: Indicative Occupational Exposure Limit Values [2,3] and Limit Values for Occupational Exposure [4] (for references see bibliography)
ACGIH, 10 ppm - Notes: (IFV) - Hematologic, liver and kidney eff
- DIPROPYLENE GLYCOL MONOMETHYL ETHER; (2-METHOXYMETHYLETHOXY) PROPANOL - CAS: 34590-94-8
EU - LTE(8h): 308 mg/m³, 50 ppm - Notes: Indicative Occupational Exposure Limit Values [2,3] and Limit Values for Occupational Exposure [4] (for references see bibliography)
ACGIH, 100 ppm, 150 ppm - Notes: Skin - Eye and URT irr, CNS impair
- 2-AMINOETHANOL; ETHANOLAMINE - CAS: 141-43-5
EU - LTE(8h): 2,5 mg/m³, 1 ppm - STE: 7,6 mg/m³, 3 ppm - Notes: Bold-type: Indicative Occupational Exposure Limit Values [2,3] and Limit Values for Occupational Exposure [4] (for references see bibliography)
ACGIH, 3 ppm, 6 ppm - Notes: Eye and skin irr
- CINEOLE - CAS: 470-82-6
ACGIH - LTE(8h): 713 mg/m³ - STE(15min): 950 mg/m³ - Notes: TLV
- TURPENTINE OIL - CAS: 8006-64-2
ACGIH, 20 ppm - Notes: (SEN), A4 - URT and skin irr, CNS impair, lung dam
- DNEL Exposure Limit Values
2-(2-BUTOXYETHOXY)ETHANOL; DIETHYLENE GLYCOL MONOBUTYL ETHER - CAS: 112-34-5
Worker Industry: 67.5 mg/m³ - Consumer: 34 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term (repeated)
Worker Industry: 20 mg/kg - Consumer: 10 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects
Worker Industry: 101.2 mg/m³ - Consumer: 50.6 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term, local effects
Consumer: 1.25 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects
- DIPROPYLENE GLYCOL MONOMETHYL ETHER; (2-METHOXYMETHYLETHOXY)

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PROPANOL - CAS: 34590-94-8

Worker Industry: 15 mg/kg - Consumer: 65 mg/kg - Exposure: Human Dermal -

Frequency: Long Term, systemic effects

Worker Industry: 37.2 mg/m³ - Consumer: 310 mg/m³ - Exposure: Human Inhalation -

Frequency: Long Term, systemic effects

Worker Industry: 1.67 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

2-AMINOETHANOL; ETHANOLAMINE - CAS: 141-43-5

Worker Industry: 1 mg/kg - Consumer: 0.24 mg/kg - Exposure: Human Dermal -

Frequency: Long Term, systemic effects

Worker Industry: 3.3 mg/m³ - Consumer: 2 mg/m³ - Exposure: Human Inhalation -

Frequency: Long Term (repeated)

Consumer: 3.75 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

PNEC Exposure Limit Values

2-(2-BUTOXYETHOXY)ETHANOL; DIETHYLENE GLYCOL MONOBUTYL ETHER - CAS: 112-34-5

Target: Marine water - Value: 0.1 mg/l

Target: Marine water sediments - Value: 0.4 mg/kg

Target: Microorganisms in sewage treatments - Value: 200 mg/l

Target: Soil (agricultural) - Value: 0.4 mg/kg

DIPROPYLENE GLYCOL MONOMETHYL ETHER; (2-METHOXYMETHYLETHOXY)

PROPANOL - CAS: 34590-94-8

Target: Marine water - Value: 1.9 mg/l

Target: Air - Value: 190 mg/l - Notes: Intermittent emissions

Target: Microorganisms in sewage treatments - Value: 4168 mg/l

Target: Marine water sediments - Value: 7.02 mg/kg - Notes: d.w.

Target: Soil (agricultural) - Value: 2.74 mg/kg - Notes: d.w.

8.2. Exposure controls

Eye protection:

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

Protection for skin:

No special precaution must be adopted for normal use.

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

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance and colour: Clear liquid, green

Odour: Pine

Odour threshold: Evident

pH: (10%) 10,2 +/- 0,5

Melting point / freezing point: N.A.

Initial boiling point and boiling range: >= 100 °C

Solid/gas flammability: N.A.

Upper/lower flammability or explosive limits: N.A.

Vapour density: N.A.

Flash point: > 65 ° C

Evaporation rate: N.A.

Vapour pressure: N.A.

Relative density: 0,993 g/ml

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Solubility in water:	Total	
Solubility in oil:	Partial	
Partition coefficient (n-octanol/water):	< 1000	
Auto-ignition temperature:	N.A.	
Decomposition temperature:	N.A.	
Viscosity:	< 10 cP	
Explosive properties:	N.A.	
Oxidizing properties:	N.A.	
9.2. Other information		
Miscibility:	N.A.	
Fat Solubility:	N.A.	
Conductivity:	N.A.	
Substance Groups relevant properties	Not Relevant	

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
 - None
- 10.4. Conditions to avoid
 - Stable under normal conditions.
- 10.5. Incompatible materials
 - None in particular.
- 10.6. Hazardous decomposition products
 - None.

SECTION 11: Toxicological information

- 11.1. Information on toxicological effects
 - Toxicological information of the mixture:
 - N.A.

Toxicological information of the main substances found in the mixture:

2-(2-BUTOXYETHOXY)ETHANOL; DIETHYLENE GLYCOL MONOBUTYL ETHER - CAS: 112-34-5

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 2410 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit = 2764 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat > 29 ppm - Duration: 2h

DIPROPYLENE GLYCOL MONOMETHYL ETHER; (2-METHOXYMETHYLETHOXY)

PROPANOL - CAS: 34590-94-8

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit = 9500 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat = 3350 mg/m³ - Duration: 7h

2-PROPYLHEPTANOL ETHOXYLATED PROPOXYLATED

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 300 mg/kg

ETHOXYLATED FATTY ALCOHOL - CAS: 27252-75-1

a) acute toxicity:

Test: LD50 - Route: Oral > 2000 mg/kg

OXIRANE, METHYL-, POLYMER WITH OXIRANE, MONOBUTYL ETHER - CAS: 9038-95-3

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 200 mg/kg

ALCOXYLATED FATTY ALCOHOL - CAS: 111905-53-4

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 2000 mg/kg

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CINEOLE - CAS: 470-82-6

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rabbit = 3200 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit > 17600 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat = 390 ppm - Duration: 4h

COUMARIN - CAS: 91-64-5

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Mouse = 196 mg/kg

2,6,6-TRIMETHYL-BICYCLO-[3.1.1]HEPT-2-ENE - CAS: 7785-70-8

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 3700 mg/kg

TURPENTINE OIL - CAS: 8006-64-2

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 2000 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit > 2000 mg/kg

2-(2-BUTOXYETHOXY)ETHANOL; DIETHYLENE GLYCOL MONOBUTYL ETHER - CAS: 112-34-5

LD50 (RAT) ORAL: 6560 MG/KG

LD50 (RABBIT) SKIN: 4120 MG/KG

If not differently specified, the information required in Regulation 453/2010/EC 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

Adopt good working practices, so that the product is not released into the environment.

2-(2-BUTOXYETHOXY)ETHANOL; DIETHYLENE GLYCOL MONOBUTYL ETHER - CAS: 112-34-5

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 1300 mg/l - Duration h: 96 - Notes: Lepomis macrochirus

Endpoint: EC50 - Species: Daphnia > 100 mg/l - Duration h: 48 - Notes: Daphnia magna

Endpoint: EC50 - Species: Algae > 100 mg/l - Duration h: 72

DIPROPYLENE GLYCOL MONOMETHYL ETHER; (2-METHOXYMETHYLETHOXY)

PROPANOL - CAS: 34590-94-8

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish > 1000 mg/l - Duration h: 96 - Notes: Poecilia reticulata

Endpoint: EC50 - Species: Daphnia = 1919 mg/l - Duration h: 48 - Notes: Daphnia magna

Endpoint: EC50 - Species: Algae > 969 mg/l - Duration h: 96 - Notes: Pseudokirchneriella subcapitata

2-PROPYLHEPTANOL ETHOXYLATED PROPOXYLATED

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 10.1 mg/l - Duration h: 96 - Notes: Brachydanio rerio

Endpoint: EC50 - Species: Daphnia = 10.1 mg/l - Duration h: 48 - Notes: Daphnia magna

Endpoint: EC50 - Species: Algae = 10.1 mg/l - Duration h: 72 - Notes: Scenedesmus subspicatus

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ETHOXYLATED FATTY ALCOHOL - CAS: 27252-75-1

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish > 10 mg/l - Duration h: 96

OXIRANE, METHYL-, POLYMER WITH OXIRANE, MONOBUTYL ETHER - CAS: 9038-95-3

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 101 mg/l - Duration h: 96 - Notes: Brachydanio rerio

Endpoint: EC50 - Species: Daphnia = 101 mg/l - Duration h: 48 - Notes: Daphnia magna

Endpoint: EC50 - Species: Algae = 101 mg/l - Duration h: 72 - Notes: Scenedesmus subspicatus

ALCOXYLATED FATTY ALCOHOL - CAS: 111905-53-4

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 1 mg/l - Duration h: 96 - Notes: Leuciscus Idus

SCENTED ESSENCES R50/53 M=1

a) Aquatic acute toxicity:

Endpoint: LC50 = 0.11 mg/l

CINEOLE - CAS: 470-82-6

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 17 mg/l - Duration h: 96 - Notes: Pimephales promelas

Endpoint: EC50 - Species: Daphnia = 73 mg/l - Duration h: 24 - Notes: Daphnia magna

Endpoint: EC50 - Species: Algae = 320 mg/l - Duration h: 96 - Notes: Scenedesmus subspicatus

COUMARIN - CAS: 91-64-5

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 56 mg/l - Duration h: 96

2,6,6-TRIMETHYL-BICYCLO-[3.1.1]HEPT-2-ENE - CAS: 7785-70-8

a) Aquatic acute toxicity:

Endpoint: LC50 = 0.11 mg/l

Endpoint: EC50 = 0.11 mg/l

12.2. Persistence and degradability

None

N.A.

12.3. Bioaccumulative potential

N.A.

12.4. Mobility in soil

N.A.

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

Recover if possible. In so doing, comply with the local and national regulations currently in force.

SECTION 14: Transport information

14.1. UN number

Not classified as dangerous in the meaning of transport regulations.

14.2. UN proper shipping name

N.A.

14.3. Transport hazard class(es)

N.A.

14.4. Packing group

N.A.

14.5. Environmental hazards

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- ADR-Environmental Pollutant: No
IMDG-Marine pollutant: No
- 14.6. Special precautions for user
N.A.
- 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
N.A.

SECTION 15: Regulatory information

- 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
Dir. 67/548/EEC (Classification, packaging and labelling of dangerous substances)
Dir. 99/45/EC (Classification, packaging and labelling of dangerous preparations)
Dir. 98/24/EC (Risks related to chemical agents at work)
Dir. 2000/39/EC (Occupational exposure limit values)
Dir. 2006/8/EC
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) n. 453/2010 (Annex I)
Regulation (EU) n. 286/2011 (ATP 2 CLP)
Regulation (EU) n. 618/2012 (ATP 3 CLP)
- Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:
None
- Where applicable, refer to the following regulatory provisions :
Directive 2003/105/CE ('Activities linked to risks of serious accidents') and subsequent amendments.
Regulation (EC) nr 648/2004 (detergents).
1999/13/EC (VOC directive)
- 15.2. Chemical safety assessment
No

SECTION 16: Other information

- Full text of phrases referred to in Section 3:
- R10 Flammable.
 - R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
 - R22 Harmful if swallowed.
 - R34 Causes burns.
 - R36 Irritating to eyes.
 - R36/38 Irritating to eyes and skin.
 - R37 Irritating to respiratory system.
 - R41 Risk of serious damage to eyes.
 - R43 May cause sensitization by skin contact.
 - R48/22 Harmful: danger of serious damage to health by prolonged exposure if swallowed.
 - R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
 - R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
 - R65 Harmful: may cause lung damage if swallowed.
-
- H319 Causes serious eye irritation.
 - H318 Causes serious eye damage.
 - H302 Harmful if swallowed.
 - H400 Very toxic to aquatic life.
 - H410 Very toxic to aquatic life with long lasting effects.
 - H314 Causes severe skin burns and eye damage.



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H412 Harmful to aquatic life with long lasting effects.
H335 May cause respiratory irritation.
H312 Harmful in contact with skin.
H332 Harmful if inhaled.
H226 Flammable liquid and vapour.
H317 May cause an allergic skin reaction.
H411 Toxic to aquatic life with long lasting effects.
H373 May cause damage to organs through prolonged or repeated exposure.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.

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

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre,
Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van
Nostrand Reinold

CCNL - Appendix 1

Insert further consulted bibliography

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.

This MSDS cancels and replaces any preceding release.

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
CAS: Chemical Abstracts Service (division of the American Chemical Society).
CLP: Classification, Labeling, Packaging.
DNEL: Derived No Effect Level.
EINECS: European Inventory of Existing Commercial Chemical Substances.
GefStoffVO: Ordinance on Hazardous Substances, Germany.
GHS: Globally Harmonized System of Classification and Labeling of Chemicals.
IATA: International Air Transport Association.
IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO: International Civil Aviation Organization.
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG: International Maritime Code for Dangerous Goods.
INCI: International Nomenclature of Cosmetic Ingredients.
KSt: Explosion coefficient.
LC50: Lethal concentration, for 50 percent of test population.
LD50: Lethal dose, for 50 percent of test population.
LTE: Long-term exposure.
PNEC: Predicted No Effect Concentration.
RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.
STE: Short-term exposure.
STEL: Short Term Exposure limit.
STOT: Specific Target Organ Toxicity.
TLV: Threshold Limiting Value.
TWATLV: Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).
WGK: German Water Hazard Class.