Safety Data Sheet (Regulation (EC) n. 1907/2006 (REACH))
KEMSTRIP 015

Safety Data Sheet dated 30/11/2020, version 5

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

1.1. Product identifier

Trade name: KEMSTRIP 015

SDS code: P54015

UFI: TNFM-RNCR-V05P-XJ56

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

Recommended use:

Solvent

Industrial uses

Uses advised against:

No uses advised against are identified.

1.3. Details of the supplier of the safety data sheet

Manufacturers:

Socomore SASU

Zone Industrielle du Prat - CS 23707 - 56037 VANNES CEDEX - France

Tel : +33 (0)2 97 43 76 83 - Fax : +33 (0)2 97 54 50 26

Socomore Ireland Ltd. - Meenane, Watergrasshill, Co. Cork, Ireland - Tel +353 21 4889922 / Fax +353 21 4889923 / ireland@socomore.com

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SOCOMORE SPzoo - Ul. Piekna 18, 00-549 Warszawa Polska - Tel : +33 (0)2 97 63 05 01

Competent person responsible for the safety data sheet:

techdirsocomore@socomore.com

1.4. Emergency telephone number

France : ORFILA (INRS) +33 (0)1 45 42 59

International : CHEMTEL +1-813-248-0585.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP)

Warning, Acute Tox. 4, Harmful if swallowed.

Warning, Acute Tox. 4, Harmful if inhaled.

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

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

Warning, STOT SE 3, May cause respiratory irritation.

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

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Hazard pictograms:

Danger

Hazard statements:

H302+H332 Harmful if swallowed or if inhaled.

H314 Causes severe skin burns and eye damage.

H335 May cause respiratory irritation.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:

P261 Avoid breathing vapours.

P264 Wash hands thoroughly after handling.

P273 Avoid release to the environment.

P280 Wear protective gloves and eye/face protection.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or 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.

P312 Call a POISON CENTER if you feel unwell.

Special Provisions:

None

Contains

benzyl alcohol

2-AMINOETHANOL

ISOTRIDECANOL ETHOXYLATED (5-20 OE)

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 2: Hazards identification

The product is harmful following acute exposure to it and poses a serious health threat if inhaled, ingested, or brought into contact with the skin.

The product is corrosive and, if brought into contact with the skin, causes burning, with the destruction of the entire thickness of skin tissue.

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

SECTION 3: Composition/information on ingredients

3.1. Substances

N.A.

3.2. Mixtures

Hazardous components within the meaning of the CLP regulation and related classification:

Qty	Name	Ident. Number	Classification
>= 40% - < 50%	benzyl alcohol	Index number: 603-057-00-5 CAS: 100-51-6 EC: 202-859-9 REACH No.: 01-2119492630-38	3.1/4/Inhal Acute Tox. 4 H332 3.1/4/Oral Acute Tox. 4 H302 3.3/2 Eye Irrit. 2 H319
>= 25% - < 30%	2-AMINOETHANOL	CAS: 141-43-5 EC: 205-483-3	3.1/4/Inhal Acute Tox. 4 H332 3.8/3 STOT SE 3 H335 3.1/4/Dermal Acute Tox. 4 H312 3.1/4/Oral Acute Tox. 4 H302 3.2/1B Skin Corr. 1B H314 4.1/C3 Aquatic Chronic 3 H412
>= 5% - < 7%	ISOTRIDECANOL ETHOXYLATED (5-20 OE)	CAS: 69011-36-5 EC: 500-241-6 REACH No.: 01-2119976362-32	3.1/4/Oral Acute Tox. 4 H302 3.3/1 Eye Dam. 1 H318

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 of 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:

If breathing is irregular or stopped, administer artificial respiration.

In case of inhalation, consult a doctor immediately and show him packing or label.

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:

No particular treatment.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Water.

Carbon dioxide (CO_2).

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.

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

Provide adequate ventilation.

Use appropriate respiratory protection.

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.

Use localized ventilation system.

Don't use empty container before they have been cleaned.

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

See also section 8 for recommended protective equipment.

Advice on general occupational hygiene:

Contamined clothing should be changed before entering eating areas.
Do not eat or drink while working.

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)

None in particular

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit values

benzyl alcohol - CAS: 100-51-6

- OEL Type: National - TWA(8h): 22 mg/m3, 5 ppm - Notes: Germany - DFG, H, Y,11

2-AMINOETHANOL - CAS: 141-43-5

- OEL Type: National - TWA(8h): 0.5 mg/m3 - Notes: Germany- DFG, EU, Y, Sh, H, 11
- OEL Type: National - TWA(8h): 2.5 mg/m3, 1 ppm - STEL: 7.6 mg/m3, 3 ppm - Notes: France VLEC - TMP N° 49, 49 Bis
- OEL Type: EU - TWA(8h): 2.5 mg/m3, 1 ppm - STEL: 7.6 mg/m3, 3 ppm - Notes: Skin
- OEL Type: ACGIH - TWA(8h): 3 ppm - STEL: 6 ppm - Notes: Eye and skin irr
- OEL Type: National - TWA(8h): 2.5 mg/m3, 0.98 ppm - STEL: 7.6 mg/m3, 3 ppm - Notes: Netherland
- OEL Type: National - TWA(8h): 2.5 mg/m3, 1 ppm - STEL: 7.6 mg/m3, 3 ppm - Notes: Belgium
- OEL Type: National - TWA(8h): 2.5 mg/m3, 1 ppm - STEL: 7.6 mg/m3, 3 ppm - Notes: UK

DNEL Exposure Limit Values

benzyl alcohol - CAS: 100-51-6

Worker Industry: 40 mg/kg b.w./day - Consumer: 28.5 - Exposure: Human Dermal - Frequency: Short Term, systemic effects
Worker Industry: 110 mg/m3 - Consumer: 27 mg/kg b.w./day - Exposure: Human Inhalation - Frequency: Short Term, systemic effects
Worker Industry: 8 mg/kg b.w./day - Consumer: 5.7 - Exposure: Human Dermal - Frequency: Long Term, systemic effects
Worker Industry: 22 mg/m3 - Consumer: 5.4 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Consumer: 20 mg/kg b.w./day - Exposure: Human Oral - Frequency: Short Term, systemic effects

2-AMINOETHANOL - 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, local effects

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

PNEC Exposure Limit Values

benzyl alcohol - CAS: 100-51-6

Target: Fresh Water - Value: 1 mg/l
Target: Marine water - Value: 0.1 mg/l
Target: PNEC01 - Value: 2.3 mg/l
Target: Soil - Value: 0.456 mg/kg
Target: Freshwater sediments - Value: 5.27 mg/kg
Target: Marine water sediments - Value: 0.527 mg/kg
Target: Microorganisms in sewage treatments - Value: 39 mg/l

2-AMINOETHANOL - CAS: 141-43-5

Target: Fresh Water - Value: 0.085 mg/l
Target: Marine water - Value: 0.0085 mg/l
Target: Freshwater sediments - Value: 0.425 mg/l
Target: Marine water sediments - Value: 0.0425 mg/l
Target: Microorganisms in sewage treatments - Value: 100 mg/l
Target: Soil (agricultural) - Value: 0.035 mg/kg
Target: PNEC intermittent - Value: 0.025 mg/l

Biological Exposure Index

N.A.

8.2. Exposure controls

See below, example of PPE to use.

Eye protection:

Safety goggles (EN 166)
Face protection shield.
Use closed fitting safety goggles, don't use eye lens.

Protection for skin:

Chemical protection clothing. (type 3 - EN14605)
Chemical protection clothing. (type 6 - EN13034)
Boots.
Apron.

Protection for hands:

Suitable gloves type: NF EN374
NBR (nitrile rubber).

Respiratory protection:

Use respiratory protection where ventilation is insufficient or exposure is prolonged.
Use adequate protective respiratory equipment.

Thermal Hazards:

None

Environmental exposure controls:

None

Appropriate engineering controls:

None

Other conditions affecting workers exposure:

None

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Method:	Notes
Appearance and colour:	Clear colourless to yellow liquid	--	--
Odour:	N.A.	--	--
Odour threshold:	N.A.	--	--
pH:	13.5	--	--
Melting point / freezing point:	Not Relevant	--	--
Initial boiling point and boiling range:	190 °C	--	--
Flash point (°C):	85 °C	--	--
Flash Point (°F):	185°F	--	--
Evaporation rate:	N.A.	--	--
Solid/gas flammability:	N.A.	--	liquid
Upper/lower flammability or explosive limits:	1.3-28.5%	--	--
Vapour pressure:	N.A.	--	--
Vapour density:	N.A.	--	--
Relative density:	1.05	--	--
Solubility in water:	N.A.	--	--
Solubility in oil:	N.A.	--	--
Partition coefficient (n-octanol/water):	N.A.	--	--
Auto-ignition temperature:	>400°C	--	--
Decomposition	N.A.	--	--

temperature:			
Viscosity:	N.A.	--	--
Explosive properties:	N.A.	--	--
Oxidizing properties:	N.A.	--	--

9.2. Other information

Properties	**Value**	**Method:**	**Notes**
Miscibility:	N.A.	--	--
Fat Solubility:	N.A.	--	--
Conductivity:	N.A.	--	--
Substance Groups relevant properties	N.A.	--	--

Volatile Organic compounds - VOCs = 970 g/l

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 product:

N.A.

Toxicological information of the main substances found in the product:

benzyl alcohol - CAS: 100-51-6

Acute toxicity:

Test: LC50 - Route: Inhalation - Species: Rat > 4178 mg/m3 - Duration: 4h
Test: LD50 - Route: Oral - Species: Rat = 1620 MGKGBWDAY
Test: LOAEL
- Route: Oral - Species: Mouse = 750 mg/kg - Duration: 8 days

Reproductive toxicity:
Test: NOAEL - Route: Oral - Species: Mouse = 550 MGKGBWDAY - Source: 6-15 days

STOT-repeated exposure:
Test: NOAEL - Route: Oral - Species: Rat = 400 MGKGBWDAY
Test: NOAEL - Route: Oral - Species: Mouse = 200 MGKGBWDAY
Test: NOAEL - Route: Inhalation - Species: Rat = 1072 mg/m3

2-AMINOETHANOL - CAS: 141-43-5

Acute toxicity:
Test: LD50 - Route: Oral - Species: Rat = 1089 mg/kg
Test: LD50 - Route: Skin - Species: Rabbit > 1000 mg/kg
Test: LC50 - Route: Inhalation Dust > 1 mg/l - Duration: 4h

Reproductive toxicity:
Test: NOAEL - Species: Rat = 225 MGKGBWDAY - Notes: development
Test: NOAEL - Species: Rat = 300 MGKGBWDAY - Notes: fertility

STOT-single exposure:
Test: C - Route: Inhalation Dust > 5 mg/l - Duration: 4h

STOT-repeated exposure:
Test: NOAEL - Route: Oral - Species: Rat = 300 mg/kg/d - Duration: > 75 days - Source: OECD 416, Experimental value - Notes: Effect: Body weight, weight of organs, consumption food
Test: NOAEC - Route: Inhalation - Species: Rat = 10 mg/m3 - Duration: 4 weeks (daily, 5 days/week) - Source: OECD 412, Experimental value - Notes: Effect: Lesions to the larynx, trachea and lungs
Test: NOEC - Route: Inhalation - Species: Rabbit = 150 mg/m3 - Duration: 4 weeks (daily, 5 days/week) - Source: OECD 412, Experiemental value - Notes: No adverse systemic effects

ISOTRIDECANOL ETHOXYLATED (5-20 OE) - CAS: 69011-36-5

Acute toxicity:
Test: LD50 - Route: Oral - Species: Rat > 300 mg/kg
Test: LD50 - Route: Skin - Species: Rabbit > 2000 mg/kg

Reproductive toxicity:
Test: NOAEL - Route: Oral - Species: Rat > 250 MGKGBWDAY
Test: NOAEL - Route: Oral - Species: Rat > 50 MGKGBWDAY

STOT-repeated exposure:
Test: NOAEL - Route: Oral - Species: Rat = 50 mg/kg

benzyl alcohol - CAS: 100-51-6
LD50 (RABBIT) SKIN SINGLE DOSE: 2000 MG/KG

If not specified in other sections, the information required in Regulation (EU)2015/830 listed below must be considered as not relevant.:

Acute toxicity;
Skin corrosion/irritation;
Serious eye damage/irritation;
Respiratory or skin sensitisation;
Germ cell mutagenicity;
Carcinogenicity;
Reproductive toxicity;
STOT-single exposure;
STOT-repeated exposure;
Aspiration hazard.

Other toxicological information:

benzyl alcohol
Skin corrosion / irritation:
Severe eye irritation.
Skin irritation:
Slight irritating effect
Mutagenicity on germ cells (in vitro):
Positive without metabolic activation, OECD 476, Mouse (L5178Y lymphoma cell)
Positive with metabolic activation, Chinese Hamster Ovary (CHO)
-

2-AMINOETHANOL
Low subchronic toxicity by dermal, oral and inhalation routes.
Skin corrosion / irritation (rabbit):
Corrosive
Severe eye injury/irritation (rabbit):
Irritating effect
-

ISOTRIDECANOL ETHOXYLATED (5-20 OE)
Eye contact:
Severe eye damage

SECTION 12: Ecological information

12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.
benzyl alcohol - CAS: 100-51-6
a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish = 460 mg/l - Duration h: 96 - Notes: Pimephales promelas, fresh water, static system
Endpoint: EC50 - Species: Daphnia = 230 mg/l - Duration h: 48
b) Aquatic chronic toxicity:
Endpoint: NOEC - Species: Daphnia = 51 mg/l - Duration h: 504
d) Terrestrial toxicity:

Endpoint: IC50 - Species: Microorganisms = 390 mg/kg - Duration h: 24 - Notes: ISO 8192; Nitrosomas

e) Plant toxicity:

Endpoint: NOEC - Species: Algae = 310 mg/l - Duration h: 72 - Notes: Pseudokirchneriella subcapitata

Endpoint: EC50 - Species: Algae = 770 mg/l - Duration h: 72 - Notes: Pseudokirchneriella subcapitata

2-AMINOETHANOL - CAS: 141-43-5

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 349 mg/l - Duration h: 96 - Notes: Cyprinus carpio

Endpoint: NOEC - Species: Fish = 1.2 mg/l - Duration h: 720 - Notes: Oryzias latipes

Endpoint: EC50 - Species: Daphnia = 65 mg/l - Duration h: 48

Endpoint: NOEC - Species: Daphnia = 0.85 mg/l - Duration h: 504

Endpoint: NOEC - Species: Algae = 1 mg/l - Duration h: 72 - Notes: Pseudokirchneriella subcapitata

Endpoint: EC50 - Species: Algae = 2.5 mg/l - Duration h: 72 - Notes: Pseudokirchneriella subcapitata

c) Bacteria toxicity:

Endpoint: EC50 - Species: bacteria > 1000 mg/l

ISOTRIDECANOL ETHOXYLATED (5-20 OE) - CAS: 69011-36-5

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Algae > 1 mg/l - Duration h: 72 - Notes: Desmodesmus subspicatus

Endpoint: EC50 - Species: Daphnia > 1 mg/l - Duration h: 48 - Notes: Daphnia magna

Endpoint: LC50 - Species: Fish > 1 mg/l - Duration h: 96 - Notes: Cyprinus carpio

Endpoint: EC10 - Species: Daphnia = 2.6 mg/l - Duration h: 504 - Notes: Daphnia magna

Endpoint: EC10 - Species: Algae > 1 mg/l - Duration h: 72 - Notes: Desmodesmus subspicatus

c) Bacteria toxicity:

Endpoint: EC50 - Species: bacteria = 140 mg/l

f) Effects in sewage plants:

Endpoint: NOEC = 220 mg/kg

12.2. Persistence and degradability

benzyl alcohol - CAS: 100-51-6

Biodegradability: Biodegradation in water - Test: MITI modif(I) - Duration: 14 days - %: 92-96 - Notes: OECD 301C

2-AMINOETHANOL - CAS: 141-43-5

Biodegradability: Biodegradability rate - Duration: 21 days - %: > 90

12.3. Bioaccumulative potential

benzyl alcohol - CAS: 100-51-6

BCF 1.37 l/kg

Log Kow 1.05 - Notes: 20°C

2-AMINOETHANOL - CAS: 141-43-5

Log Pow -1.91

12.4. Mobility in soil

benzyl alcohol - CAS: 100-51-6

Log Koc 15.7

Volality (H: Henry's Law Constant) 0.0879 Pa.m³/mol

2-AMINOETHANOL - CAS: 141-43-5

Log Koc 1.17

12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

12.6. Other adverse effects

No harmful effects expected.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

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.

Codes of wastes (Décision 2001/573/EC, Directive 2006/12/EEC, Directive 94/31/EEC on hazardous waste):

14 06 03* Other solvents and solvent mixtures

SECTION 14: Transport information

14.1. UN number

ADR-UN Number:	1760
IATA-UN Number:	1760
IMDG-UN Number:	1760

14.2. UN proper shipping name

ADR-Shipping Name:	CORROSIVE LIQUID, N.O.S. (2-AMINOETHANOL)
IATA-Shipping Name:	CORROSIVE LIQUID, N.O.S. (2-AMINOETHANOL)
IMDG-Shipping Name:	CORROSIVE LIQUID, N.O.S. (2-AMINOETHANOL)

14.3. Transport hazard class(es)

ADR-Class:	8
ADR - Hazard identification number:	80
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 hazards:	-
ADR-S.P.:	274
ADR-Transport category (Tunnel restriction code):	3 (E)
IATA-Passenger Aircraft:	852
IATA-Subsidiary hazards:	-
IATA-Cargo Aircraft:	856

IATA-S.P.:	A3 A803
IATA-ERG:	8L
IMDG-EmS:	F-A , S-B
IMDG-Subsidiary hazards:	-
IMDG-Stowage and handling:	Category A SW2
IMDG-Segregation:	-

Q.L.: 5L
Q.E.: E1

14.7. Transport in bulk according to Annex II of Marpol 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. 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)
Regulation (EU) n. 2015/1221 (ATP 7 CLP)
Regulation (EU) n. 2016/918 (ATP 8 CLP)
Regulation (EU) n. 2016/1179 (ATP 9 CLP)
Regulation (EU) n. 2017/776 (ATP 10 CLP)
Regulation (EU) n. 2018/669 (ATP 11 CLP)
Regulation (EU) n. 2018/1480 (ATP 13 CLP)
Regulation (EU) n. 2019/521 (ATP 12 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.

Listed or in compliance with the following international inventories:

N.A.

Labelling of detergents (EC Regulations 648/2004 and 907/2006):

N.A.

Labelling of biocides (Regulations 1896/2000, 1687/2002, 2032/2003, 1048/2005, 1849/2006, 1451/2007 and Directive 98/8/EC):

N.A.

Where applicable, refer to the following regulatory provisions :

Directive 2003/105/CE ('Activities linked to risks of serious accidents') and subsequent amendments.

1999/13/EC (VOC directive)

Dir. 2004/42/EC (VOC directive)

Provisions related to directive EU 2012/18 (Seveso III):

Seveso III category according to Annex 1, part 1

None

15.2. Chemical safety assessment

No

SECTION 16: Other information

N.A.: Not Applicable or Not Available

Full text of phrases referred to in Section 3:

H332 Harmful if inhaled.
H302 Harmful if swallowed.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H312 Harmful in contact with skin.
H314 Causes severe skin burns and eye damage.
H412 Harmful to aquatic life with long lasting effects.
H318 Causes serious eye damage.

Hazard class and hazard category	Code	Description
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 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

STOT SE 3	3.8/3	Specific target organ toxicity - single exposure, Category 3
Aquatic Chronic 3	4.1/C3	Chronic (long term) aquatic hazard, category 3

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Classification according to Regulation (EC) Nr. 1272/2008	**Classification procedure**
Acute Tox. 4, H302	Calculation method
Acute Tox. 4, H332	Calculation method
Skin Corr. 1B, H314	On basis of test data (pH)
Eye Dam. 1, H318	On basis of test data (pH)
STOT SE 3, H335	Calculation method
Aquatic Chronic 3, H412	Calculation method

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

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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 responsibility of the purchaser/user to ensure that their activities conform with current legislation in force.

The information is considered correct, but it is not exhaustive and it shall be used only as a guide which is based on the current knowledge of the substance or mixture and it is applicable to the safety precautions appropriate for the product.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
ATE:	Acute Toxicity Estimate
ATEmix:	Acute toxicity Estimate (Mixtures)
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.
STOT SE:	May cause drowsiness or dizziness
TLV:	Threshold Limiting Value.
TWA:	Time-weighted average
TWATLV:	Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).
WGK:	German Water Hazard Class.