PRODOTTI PER LAVANDERIE

Safety Data Sheet according to Reg. (EC) n.1907/2006 (REACH) - SOFT LB 3

Safety Data Sheet dated 22/7/2024, version 5

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

1.1. Product identifier

Mixture identification:

Trade name:	***SOFT LB 3***
Trade code:	G13-004
UFI:	XVD0-V03J-500A-VNSW

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

Recommended use:

Neutralizing fabric softener. For professional use.

Products categories: PC35 - washing and cleaning products. This category includes water and solvent based products.

Use at industrial sites (IS). Widespread use by professional workers (PW).

Uses advised against:

Do not use for purposes other than those indicated.

1.3. Details of the supplier of the safety data sheet

Company:

G.B.M. ELETTROCHIMICA s.r.l.

Via Fiumicino San Mauro, 120/130 - 47039 – Savignano Sul Rubicone (FC) Italy

tel +39 0541 930058

e-mail: ***gbm@gbmprodottichimici.it***

web site: *www.gbmprodottichimici.it*

1.4. Emergency telephone number

+39 0541-930058

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP)

Skin Irrit. 2, H315 Causes skin irritation.

Eye Irrit. 2, H319 Causes serious eye irritation.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Hazard pictograms:

Warning

Hazard statements:

H315 Causes skin irritation.

H319 Causes serious eye irritation.

Precautionary statements:

P264 Wash hands thoroughly with water after handling.

P280 Wear protective gloves and eye/face protection.

P332+P313 If skin irritation occurs: Get medical advice/attention.

P337+P313 If eye irritation persists: Get medical advice/attention.

P362+P364 Take off contaminated clothing and wash it before reuse.

Special Provisions:
None
Contains
Isoeugenol: May produce an allergic reaction.
Special provisions according to Annex XVII of REACH and subsequent amendments:
None

2.3. Other hazards
No PBT, vPvB or endocrine disruptor substances present in concentration >= 0.1%
Other Hazards:
No other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances
N.A.
3.2. Mixtures
Ingredients according to EC Detergents Regulation 648/2004:
Between 5-15%: cationic surfactants
Other comp.: perfume, hexyl cinnamal, limonene.
Hazardous components within the meaning of the CLP regulation and related classification:

Qty	Name	Ident. Number	Classification
>= 5% - < 10%	Fatty acids, C16-18 (even numbered) and C18 unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized	CAS: 1335202-88-4 EC: 931-203-0 REACH No.: 01-2119463889-16-XXXX	4.1/C3 Aquatic Chronic 3 H412
>= 1% - < 5%	formic acid ... %	Index number: 607-001-00-0 CAS: 64-18-6 EC: 200-579-1 REACH No.: 01-2119491174-37-XXXX	 2.16/1 Met. Corr. 1 H290  2.6/3 Flam. Liq. 3 H226  3.2/1A Skin Corr. 1A H314  3.3/1 Eye Dam. 1 H318  3.1/3/Inhal Acute Tox. 3 H331  3.1/4/Oral Acute Tox. 4 H302 Specific Concentration Limits: C >= 90%: Skin Corr. 1A H314 10% <= C < 90%: Skin Corr. 1B H314 2% <= C < 10%: Skin Irrit. 2 H315 2% <= C < 10%: Eye Irrit. 2 H319
>= 1% - < 5%	propan-2-ol; isopropyl alcohol; isopropanol	Index number: 603-117-00-0 CAS: 67-63-0 EC: 200-661-7 REACH No.: 01-2119457558-	 2.6/2 Flam. Liq. 2 H225  3.3/2 Eye Irrit. 2 H319  3.8/3 STOT SE 3 H336

			25-XXXX	
165 ppm	Diphenyl ether	CAS: EC: REACH No.:	101-84-8 202-981-2 01-2119472545-33-XXXX	4.1/C2 Aquatic Chronic 2 H411 3.3/2 Eye Irrit. 2 H319 4.1/A1 Aquatic Acute 1 H400
54 ppm	Isoeugenol	Index number: CAS: EC:	604-094-00-X 97-54-1 202-590-7	3.1/4/Oral Acute Tox. 4 H302 3.4.2/1A Skin Sens. 1A H317 3.1/4/Dermal Acute Tox. 4 H312 3.2/2 Skin Irrit. 2 H315 3.3/2 Eye Irrit. 2 H319 Specific Concentration Limits: C >= 0,01%: Skin Sens. 1A H317

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.
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 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:
Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:
Water.
Carbon dioxide (CO2).
Extinguishing media which must not be used for safety reasons:
None in particular.

5.2. Special hazards arising from the substance or mixture
Do not inhale explosion and combustion gases.
Burning produces heavy smoke.

5.3. Advice for firefighters
Use suitable breathing apparatus .
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
Wear personal protection equipment.
Remove persons to safety.
See protective measures under point 7 and 8.

6.2. Environmental precautions
Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.
Retain contaminated washing water and dispose it.
In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.
Suitable material for taking up: absorbing material, organic, sand

6.3. Methods and material for containment and cleaning up
Wash with plenty of water.

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

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Avoid contact with skin and eyes, inhalation of vapours and mists.
Don't use empty container before they have been cleaned.
Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.
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
Store the product only in its original closed containers, in a cool, dry and well-ventilated areas at temperatures below 0 °C and not higher than 40 °C.
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

formic acid ... % - CAS: 64-18-6
UE - TWA(8h): 9 mg/m3, 5 ppm
ACGIH - TWA(8h): 5 ppm - STEL: 10 ppm - Notes: N.A.
propan-2-ol; isopropyl alcohol; isopropanol - CAS: 67-63-0
ACGIH - TWA(8h): 200 ppm - STEL: 400 ppm - Notes: N.A.
Diphenyl ether - CAS: 101-84-8
UE - TWA(8h): 7 mg/m3, 1 ppm - STEL: 14 mg/m3, 2 ppm
ACGIH - TWA(8h): 1 ppm - STEL: 2 ppm - Notes: N.A.

DNEL Exposure Limit Values
Fatty acids, C16-18 (even numbered) and C18 unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized - CAS: 1335202-88-4
Worker Professional: 14.8 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects - Endpoint: Repeated dose toxicity - Notes: ECHA
Worker Professional: 105 mg/kg b.w./day - Exposure: Human Dermal - Frequency: Long Term, systemic effects - Endpoint: Repeated dose toxicity - Notes: ECHA
Consumer: 2.61 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects - Endpoint: Repeated dose toxicity - Notes: ECHA
Consumer: 37.5 mg/kg b.w./day - Exposure: Human Dermal - Frequency: Long Term, systemic effects - Endpoint: Repeated dose toxicity - Notes: ECHA
Consumer: 1.5 mg/kg b.w./day - Exposure: Human Oral - Frequency: Long Term, systemic effects - Endpoint: Repeated dose toxicity - Notes: ECHA
formic acid ... % - CAS: 64-18-6
Worker Professional: 9.5 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term (repeated)
Consumer: 9.5 mg/m3 - Exposure: Human Inhalation - Frequency: Short Term (acute)
Consumer: 3 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term (repeated)
Diphenyl ether - CAS: 101-84-8
Worker Professional: 59 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects - Endpoint: Repeated dose toxicity
Worker Professional: 7 mg/m3 - Exposure: Human Inhalation - Frequency: Short Term, systemic effects - Endpoint: Repeated dose toxicity
Worker Professional: 9.68 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, local effects
Worker Professional: 25 mg/kg b.w./day - Exposure: Human Dermal - Frequency: Long Term, systemic effects - Endpoint: Repeated dose toxicity
Worker Professional: 0.15 mg/cm2 - Exposure: Human Dermal - Frequency: Long Term, local effects

PNEC Exposure Limit Values
Fatty acids, C16-18 (even numbered) and C18 unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized - CAS: 1335202-88-4
Target: Fresh Water - Value: 22 µg/L - Type of hazard: Danger to aquatic organisms - Notes:: ECHA
Target: Intermittent release (fresh water) - Value: 19.1 µg/L - Type of hazard: Danger to aquatic organisms - Notes:: ECHA
Target: Marine water - Value: 2.24 µg/L - Type of hazard: Danger to aquatic organisms - Notes:: ECHA
Target: Intermittent release (seawater) - Value: 1.9 µg/L - Type of hazard: Danger to aquatic organisms - Notes:: ECHA
Target: Sewage treatment plant - Value: 2.96 mg/l - Type of hazard: Danger to aquatic organisms - Notes:: ECHA
Target: Freshwater sediments - Value: 22.48 mg/kg dry weight - Type of hazard: Danger to aquatic organisms - Notes:: ECHA
Target: Marine water sediments - Value: 2.248 mg/kg dry weight - Type of hazard: Danger to aquatic organisms - Notes:: ECHA

Target: Soil - Value: 4.483 mg/kg dry weight - Type of hazard: Danger to terrestrial organisms - Notes:: ECHA

formic acid ... % - CAS: 64-18-6

Target: Fresh Water - Value: 2 mg/l
Target: Marine water - Value: 0.2 mg/l
Target: Freshwater sediments - Value: 13.4 mg/kg
Target: Marine water sediments - Value: 1.34 mg/kg
Target: Soil (agricultural) - Value: 1.5 mg/kg
Target: Sewage treatment plant - Value: 7.2 mg/l

propan-2-ol; isopropyl alcohol; isopropanol - CAS: 67-63-0

Target: Fresh Water - Value: 140.9 mg/l
Target: Marine water - Value: 140.9 mg/l
Target: Freshwater sediments - Value: 552 mg/kg
Target: Marine water sediments - Value: 552 mg/kg
Target: Ground compartment - Value: 28 mg/kg

Diphenyl ether - CAS: 101-84-8

Target: Fresh Water - Value: 0.0017 mg/l
Target: Marine water - Value: 0.00017 mg/l
Target: Intermittent release - Value: 0.017 mg/l
Target: Sewage treatment plant - Value: 10 mg/l
Target: Freshwater sediments - Value: 0.345 mg/kg dry weight
Target: Marine water sediments - Value: 0.0345 mg/kg dry weight
Target: Soil - Value: 0.0681 mg/kg dry weight

8.2. Exposure controls

Eye protection:

Eye glasses with side protection.

Protection for skin:

Chemical protection clothing.

Protection for hands:

Use protective gloves resistant to chemicals. The choice of hand PPE must be made on the basis of its better resistance to chemical agents, taking into account the results of tests obtained in accordance with EN 374 Because of the great diversity of types, you should follow the instructions of the manufacturers. Suitable materials for short contact (recommended: at least protection index 2, corresponding to> 30 minutes permeation time according to EN 374). Butyl rubber - 0.7 mm thick. Suitable materials for direct and prolonged contact (recommended: protection index 6, corresponding> 460 minutes of permeation time according to EN 374) nitro-caoutchouc (NBR) - 0.4 mm thick.

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
Physical state:	Liquid	--	--
Colour:	White	--	--
Odour:	PUNGENT / FRAGRANT	--	--

	NOTE CHARACTERISTIC		
Melting point/freezing point:	Not Relevant	--	--
Boiling point or initial boiling point and boiling range:	Not Relevant	--	--
Flammability:	Non-flammable	--	--
Lower and upper explosion limit:	Not Relevant	--	--
Flash point:	Not Relevant	--	--
Auto-ignition temperature:	Not Relevant	--	--
Decomposition temperature:	Not Relevant	--	--
pH:	2,1	--	--
Kinematic viscosity:	N.A.	--	--
Solubility in water:	COMPLETE	--	--
Solubility in oil:	Not Relevant	--	--
Partition coefficient n-octanol/water (log value):	Not Relevant	--	--
Vapour pressure:	Not Relevant	--	--
Density and/or relative density:	1.00 ± 0.05 kg/l	--	--
Relative vapour density:	Not Relevant	--	--
Particle characteristics:			
Particle size:	N.A.	--	--

9.2. Other information

Properties	**Value**	**Method:**	**Notes**
Explosive properties:	ABSENT	--	--
Miscibility:	MISCIBLE	--	--
Oxidizing properties:	ABSENT	--	--

SECTION 10: Stability and reactivity

10.1. Reactivity

There are no particular dangers of reaction with other substances under normal conditions of use

10.2. Chemical stability

The product is stable under normal conditions of use and storage.

10.3. Possibility of hazardous reactions

10.4. Conditions to avoid

Avoid contact with alkaline and / or oxidizing substances.

10.5. Incompatible materials

Do not mix with products or caustic alkali, oxidizing agents (sodium hypochlorite), and / or reducing agents. Aluminum, light metals.

Avoid contact with strong oxidizing and reducing agents, strong acids and bases

10.6. Hazardous decomposition products

Under normal conditions of storage and use, are not known hazardous decomposition products.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Toxicological information of the product:

SOFT LB 3

a) acute toxicity

Not classified

No data available for the product

b) skin corrosion/irritation

The product is classified: Skin Irrit. 2 H315

c) serious eye damage/irritation

The product is classified: Eye Irrit. 2 H319

d) respiratory or skin sensitisation

Not classified

No data available for the product

e) germ cell mutagenicity

Not classified

No data available for the product

f) carcinogenicity

Not classified

No data available for the product

g) reproductive toxicity

Not classified

No data available for the product

h) STOT-single exposure

Not classified

No data available for the product

i) STOT-repeated exposure

Not classified

No data available for the product

j) aspiration hazard

Not classified

No data available for the product

Toxicological information of the main substances found in the product:

Fatty acids, C16-18 (even numbered) and C18 unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized - CAS: 1335202-88-4

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 4480 mg/kg bw - Source: ECHA - No observed adverse effects

Test: LD50 - Route: Skin - Species: Rat > 2000 mg/kg bw - Source: ECHA - No observed adverse effects

b) skin corrosion/irritation:

Test: Skin Irritant - Species: Rabbit - Duration: 4h - Source: ECHA - No irritation of the skin

c) serious eye damage/irritation:

Test: Eye Irritant - Species: Rabbit - Source: ECHA - No irritation to eyes

d) respiratory or skin sensitisation:

Test: Buehler Test - Route: Skin - Species: Guinea pig - Source: ECHA - Not sensitizing

e) germ cell mutagenicity:

Test: 43 - Source: ECHA - Notes: Test system: Salmonella typhimurium
Metabolic activation: with or without metabolic activation
Method: OECD Test Guidelines 471
GLP: yes - No observed adverse effects

Test: In vitro genotoxicity: analysis of the genetic mutation of mammalian cells. - Source: ECHA - Notes: Test system: Chinese hamster fibroblasts
Metabolic activation: with or without metabolic activation
Method: OECD Test Guidelines 476
GLP: yes - No observed adverse effects
Test: Chromosomal aberration in vitro - Source: ECHA - Notes: Test system: Chinese hamster lung cells
Metabolic activation: with or without metabolic activation
Method: OECD Test Guidelines 473
GLP: yes - No observed adverse effects
Test: In vivo genotoxicity; micronucleus test - Species: Mouse - Source: ECHA - Notes: Species: Mouse (male and female)
Strain: Other
Application: oral (fattening)
Doses: 5000 mg/kg bw
Method: OECD Test Guidelines 474
GLP: yes - No observed adverse effects

g) reproductive toxicity:

Test: Other - Species: Rat - Source: ECHA - Notes: Species: Rat, male and female
Strain: Sprague-Dawley
Application: oral (fattening)
Doses: 100, 300, 1000 mg/kg bw/day
Duration of single treatment: 28 d
Frequency of treatment: 1 days / week
General parental toxicity: NOAEL: 1,000 mg/kg body we - No observed adverse effects
Test: Fertility/initial embryonic development - Species: Rat - Source: ECHA - Notes:
Strain: Sprague-Dawley
Application: oral (fattening)
Doses: 100, 300, 1000 mg/kg bw/day
Duration of single treatment: 36 d
General parental toxicity: NOAEL: 1,000 mg/kg weight
bodily
General toxicity F1: NOAEL: 1,000 mg/kg body weight
Method: - No observed adverse effects
Test: Analysis of a generation - Species: Rat - Source: ECHA - Notes: Strain: Sprague-Dawley
Application: oral (fattening)
Doses: 100, 300, 1000 mg/kg bw/day
Duration of single treatment: 70 d
General parental toxicity: NOAEL: 1,000 mg/kg weight
bodily
General toxicity F1: NOAEL: 1,000 mg/kg body weight
Method: - No observed adverse effects
Test: Effects on fetal development - Species: Rat (female) - Source: ECHA - Notes:
Type of test: Prenatal
Strain: Wistar
Application: oral (fattening)
Doses: 0, 50, 250, 1000 mg/kg bw/day
Duration of single treatment: 10 d
General maternal toxicity: NOAEC: 1,000 mg/kg body weight
Teratogenicity: NOAEL: 1,000 mg/kg body weight - No observed adverse effects

i) STOT-repeated exposure:

formic acid ... % - CAS: 64-18-6

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 730 mg/kg
Test: LC50 - Route: Inhalation - Species: Rat = 7.85 mg/l - Duration: 4h
propan-2-ol; isopropyl alcohol; isopropanol - CAS: 67-63-0
a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat = 4396-5500 mg/kg - Source: N.A.
Test: LC50 - Route: Inhalation - Species: Rat 72.6 mg/l - Duration: 4h - Source: N.A.
Test: LC50 - Route: Inhalation - Species: Mouse 27.2 mg/l - Duration: 4h - Source: N.A.
Test: LD50 - Route: Skin - Species: Rabbit = 12870 mg/kg - Source: N.A.
Diphenyl ether - CAS: 101-84-8
a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat = 2100 mg/kg bw
Test: LD50 - Route: Skin - Species: Rabbit = 5005 mg/kg bw

11.2. Information on other hazards
Endocrine disrupting properties:
No endocrine disruptor substances present in concentration >= 0.1%

SECTION 12: Ecological information

12.1. Toxicity
Adopt good working practices, so that the product is not released into the environment.
SOFT LB 3
Not classified for environmental hazards
Based on available data, the classification criteria are not met
formic acid ... % - CAS: 64-18-6
a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish = 130 mg/l - Duration h: 96 - Notes: Brachydanio rerio
Endpoint: EC50 - Species: Daphnia = 365 mg/l - Duration h: 48 - Notes: Daphnia magna.
Endpoint: EC50 - Species: Algae and cyanobacteria = 1240 mg/l - Duration h: 72 - Notes: Paseudokirchneriella subcapitata
b) Aquatic chronic toxicity:
Endpoint: NOEC (21d) - Species: Daphnia > 100 mg/l - Notes: Daphnia magna.
c) Bacteria toxicity:
Endpoint: EC10 (13d) - Species: Activated sludge = 72 mg/l
propan-2-ol; isopropyl alcohol; isopropanol - CAS: 67-63-0
a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish = 1400 mg/l - Duration h: 24-96
Endpoint: LC50 - Species: Fish = 1400 mg/l - Duration h: 24-96
Endpoint: LC50 - Species: Crustaceans = 1400 mg/l - Duration h: 48
Endpoint: LC50 - Species: Crustaceans = 11500 mg/l - Duration h: 86
d) Terrestrial toxicity:
Endpoint: EC50 - Species: Terrestrial plants = 2100 mg/l - Duration h: 72
Diphenyl ether - CAS: 101-84-8
a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish = 10 mg/l - Duration h: 24
Endpoint: LC50 - Species: Fish = 1-2.4 mg/l - Duration h: 96
Endpoint: LC50 - Species: Fish = 3 mg/l - Duration h: 48
Endpoint: EC50 - Species: Daphnia = 1.7 mg/l - Duration h: 48
12.2. Persistence and degradability
None
SOFT LB 3
Biodegradability: The product contains only readily biodegradable surfactants meet the criteria laid down in Regulation detergents EU (EC/648/2004).

formic acid ... % - CAS: 64-18-6
Biodegradability: Readily biodegradable - Duration: 28d - %: 100 - Notes: SDS
propan-2-ol; isopropyl alcohol; isopropanol - CAS: 67-63-0
Biodegradability: Persistence
Diphenyl ether - CAS: 101-84-8
Biodegradability: Persistence - %: 100

12.3. Bioaccumulative potential
formic acid ... % - CAS: 64-18-6
Bioaccumulation: Not bioaccumulative
propan-2-ol; isopropyl alcohol; isopropanol - CAS: 67-63-0
Test: Kow - Partition coefficient 0.05
Diphenyl ether - CAS: 101-84-8
Bioaccumulation: Bioaccumulation factor - Test: BCF - Bioconcentrantion factor 196

12.4. Mobility in soil
formic acid ... % - CAS: 64-18-6
Mobility in soil: The substance does not evaporate to the atmosphere from the surface of the water. Absorption to the solid phase of the soil is not predictable

12.5. Results of PBT and vPvB assessment
vPvB Substances: None - PBT Substances: None

12.6. Endocrine disrupting properties
No endocrine disruptor substances present in concentration >= 0.1%

12.7. 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 or ID 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
ADN-Environmentally hazardous in tank-vessels:
N.A.

14.6. Special precautions for user
N.A.

14.7. Maritime transport in bulk according to IMO instruments
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) n. 2020/878
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)
Regulation (EU) n. 2020/217 (ATP 14 CLP)
Regulation (EU) n. 2020/1182 (ATP 15 CLP)
Regulation (EU) n. 2021/643 (ATP 16 CLP)
Regulation (EU) n. 2021/849 (ATP 17 CLP)
Regulation (EU) n. 2022/692 (ATP 18 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:

Restriction 75

Where applicable, refer to the following regulatory provisions :

Directive 2012/18/EU (Seveso III)
Regulation (EC) nr 648/2004 (detergents).
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 Chemical Safety Assessment has been carried out for the mixture.

SECTION 16: Other information

Full text of phrases referred to in Section 3:

H412 Harmful to aquatic life with long lasting effects.
H290 May be corrosive to metals.
H226 Flammable liquid and vapour.
H314 Causes severe skin burns and eye damage.
H318 Causes serious eye damage.
H331 Toxic if inhaled.
H302 Harmful if swallowed.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H225 Highly flammable liquid and vapour.
H336 May cause drowsiness or dizziness.
H411 Toxic to aquatic life with long lasting effects.
H400 Very toxic to aquatic life.
H317 May cause an allergic skin reaction.

H312 Harmful in contact with skin.

Hazard class and hazard category	Code	Description
Met. Corr. 1	2.16/1	Substance or mixture corrosive to metals, Category 1
Flam. Liq. 2	2.6/2	Flammable liquid, Category 2
Flam. Liq. 3	2.6/3	Flammable liquid, Category 3
Acute Tox. 3	3.1/3/Inhal	Acute toxicity (inhalation), Category 3
Acute Tox. 4	3.1/4/Dermal	Acute toxicity (dermal), Category 4
Acute Tox. 4	3.1/4/Oral	Acute toxicity (oral), Category 4
Skin Corr. 1A	3.2/1A	Skin corrosion, Category 1A
Skin Corr. 1B	3.2/1B	Skin corrosion, Category 1B
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. 1A	3.4.2/1A	Skin Sensitisation, Category 1A
STOT SE 3	3.8/3	Specific target organ toxicity - single exposure, Category 3
Aquatic Acute 1	4.1/A1	Acute aquatic hazard, category 1
Aquatic Chronic 2	4.1/C2	Chronic (long term) aquatic hazard, category 2
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
Skin Irrit. 2, H315	Calculation method
Eye Irrit. 2, H319	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

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.
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.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWA:	Time-weighted average
WGK:	German Water Hazard Class.