Safety Data Sheet according to Reg. 878/2020/EU
SR95
Safety Data Sheet dated 10/17/2025 version 1

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

1.1. Product identifier
Mixture identification:
Trade name: SR95
1.2. Relevant identified uses of the substance or mixture and uses advised against Recommended use: Industrial; Professional; Consumer
Uses advised against: No other uses are foreseen besides those below identified.
Use description: Stain remover
1.3. Details of the supplier of the safety data sheet
Company: FILA Solutions S.p.A. SB
Via Garibaldi, 58
35018 San Martino di Lupari (PD)
ITALIA
tel. +39.049.9467300
fax +39.049.9460753
Responsable: sds@filasolutions.com
1.4. Emergency telephone number
UNITED KINGDOM: NHS Direct 111 (In England, Scotland North Ireland) 08454647 (Wales); IRELAND 018092166

SECTION 2: Hazards identification



2.1. Classification of the substance or mixture

Regulation (EC) n. 1272/2008 (CLP)

Skin Corr. 1A	Causes severe skin burns and eye damage.
Eye Dam. 1	Causes serious eye damage.
Aquatic Acute 1	Very toxic to aquatic life.
Aquatic Chronic 2	Toxic to aquatic life with long lasting effects.
Met. Corr. 1	May be corrosive to metals.

Adverse physicochemical, human health and environmental effects:
No other hazards
2.2. Label elements
Regulation (EC) No 1272/2008 (CLP):
Pictograms and Signal Words



Danger

Hazard statements

H290	May be corrosive to metals.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.

Precautionary statements

P102	Keep out of reach of children.
P260	Do not breathe dust/fume/gas/mist/vapours/spray.

P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

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

P501 Dispose of contents/container in accordance with applicable regulations.

Special Provisions:

EUH206 Warning! Do not use together with other products. May release dangerous gases (chlorine).

Contains

sodium hypochlorite, solution Cl active

N,N-dimethyltetradecylamine N-oxide

sodium hydroxide

Regulation (EC) nr 648/2004 (Detergents).

Product contents:

non-ionic surfactants	< 5%
chlorine-based bleaching agents	5-15%

Dir. 2004/42/EC (VOC directive)

This product contains max 0 g/l VOC.

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

Mixture identification: SR95

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

Qty	Name	Ident. Numb.	Classification	Registration Number
≥5-<7 %	sodium hypochlorite, solution Cl active	CAS:7681-52-9 EC:231-668-3 Index:017-011-00-1	Aquatic Acute 1, H400 Skin Corr. 1B, H314 Eye Dam. 1, H318 Aquatic Chronic 1, H410 Met. Corr. 1, H290, M-Chronic:1, M-Acute:10 Specific Concentration Limits: C ≥ 5%: EUH031	
≥2.5-<3 %	Potassium carbonate	CAS:584-08-7 EC:209-529-3	Eye Irrit. 2, H319; Skin Irrit. 2, H315; STOT SE 3, H335	01-2119532646-36
≥1-<2.5 %	N,N-dimethyltetradecylamine N-oxide	CAS:3332-27-2 EC:222-059-3	Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Dam. 1, H318; Aquatic Acute 1, H400; Aquatic Chronic 2, H411	01-2119949262-37
≥0.5-<1 %	sodium hydroxide	CAS:1310-73-2 EC:215-185-5 Index:011-002-00-6	Skin Corr. 1A, H314 Specific Concentration Limits: 0.5% ≤ C < 2%: Eye Irrit. 2 H319 C ≥ 5%: Skin Corr. 1A H314 2% ≤ C < 5%: Skin Corr. 1B H314 0.5% ≤ C < 2%: Skin Irrit. 2 H315	01-2119457892-27

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention.

In case of eyes contact:

Remove any contact lenses. Wash immediately and abundantly with lukewarm water for at least 30/60 minutes, opening the eyelids well. Consult a doctor immediately.

In case of Ingestion:

Have the subject drink as much water as possible. Get medical advice/attention. Do not induce vomiting unless explicitly authorised by a doctor.

In case of Inhalation:

Get medical advice/attention immediately. Remove victim to fresh air, away from the accident scene. If the subject stops breathing, administer artificial respiration. Take suitable precautions for rescue workers.

4.2. Most important symptoms and effects, both acute and delayed

Causes severe skin burns and eye damage.

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: Useful urgent medical intervention. Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Extinguishing substances are: carbon dioxide, foam, chemical powder. For product loss or leakage that has not caught fire, water spray can be used to disperse flammable vapours and protect those trying to stem the leak.

Extinguishing media which must not be used for safety reasons:

None in particular.

5.2. Special hazards arising from the substance or mixture

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE.

Do not breathe combustion products.

5.3. Advice for firefighters

GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

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

Suitable material for taking up: absorbing material, organic, sand

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, inhaltion of vapours and mists.

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

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

Contamined clothing should be changed before entering eating areas.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

7.2. Conditions for safe storage, including any incompatibilities

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Adequately ventilated premises.

7.3. Specific end use(s)

The intended uses are indicated in section 1. No further specific uses are foreseen.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Community Occupational Exposure Limits (OEL)

	OEL Type	Country	Ceiling	Long Term mg/m3	Long Term ppm	Short Term mg/m3	Short Term ppm	Notes
Potassium carbonate CAS: 584-08-7	OEL	LATVIA		2.00000000				
sodium hydroxide CAS: 1310-73-2	MAK	AUSTRIA		2.00000000		4.00000000		inhalable aerosol
	VLEP	BELGIUM		2.00000000				Additional indication "M" that irritation occurs whe exposure exceeds the LV is a risk of acute poisonir work process must be de such a way that the expo never exceeds the LV..
	OEL	DENMARK	C	2.00000000		2.00000000		
	OEL	FINLAND	C			2.00000000		
	OEL	IRELAND				2.00000000		
	OEL	LATVIA		0.50000000				
	OEL	NORWAY	C			2.00000000		
	VLEP	ROMANIA		1.00000000		3.00000000		
	VLA	SPAIN		2.00000000				
	OEL	SWEDEN		1.00000000		2.00000000		
	OSHA PEL	UNITED STATES OF AMERICA		2.00000000				
	WEL	UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND				2.00000000		

Predicted No Effect Concentration (PNEC) values

	PNEC Limit	Exposure Route	Exposure Frequency	Remark
sodium hypochlorite, solution Cl active CAS: 7681-52-9	0.21 µg/L	Fresh Water		
	0.042 µg/L	Marine water		
	11.1 mg/kg	Secondary poisoning		
	4.69 mg/l	Microorganisms in sewage treatments		

N,N-dimethyltetradecylamine N-oxide CAS: 3332-27-2	0.033 mg/l	Fresh Water
	0.003 mg/l	Marine water
	0.033 mg/l	Intermittent releases (fresh water)
	0.033 mg/l	Intermittent releases (marine water)
	5.24 mg/kg	Freshwater sediments
	0.524 mg/kg	Marine water sediments
	1.02 mg/kg	Soil
	24 mg/l	Microorganisms in sewage treatments

Derived No Effect Level (DNEL) values

	Worker Industry	Worker Professional	Consumer	Exposure Route	Exposure Frequency	Remark
sodium hypochlorite, solution Cl active CAS: 7681-52-9	3.1 mg/m3	3.1 mg/m3	3.1 mg/m3	Human Inhalation	Short Term, local effects	
	3.1 mg/m3	3.1 mg/m3		Human Inhalation	Short Term, systemic effects	
	1.55 mg/m3	1.55 mg/m3	1.55 mg/m3	Human Inhalation	Long Term (repeated)	
			0.26 mg/kg	Human Oral	Long Term (repeated)	
Potassium carbonate CAS: 584-08-7			8	Human Dermal	Long Term (repeated)	mg/cm2
			10 mg/m3	Human Inhalation	Long Term (repeated)	
	16	16		Human Dermal	Long Term (repeated)	mg/cm2
	10 mg/m3	10 mg/m3		Human Inhalation	Long Term (repeated)	
N,N-dimethyltetradecylamine N-oxide CAS: 3332-27-2	11 mg/Kg bw/day	11 mg/Kg bw/day		Human Dermal	Long Term, systemic effects	
	6.2 mg/m3	6.2 mg/kg		Human Inhalation	Long Term, systemic effects	
			0.44 mg/kg	Human Oral	Long Term, systemic effects	
			1.53 mg/m3	Human Inhalation	Long Term, systemic effects	
			5.5 mg/kg	Human Dermal	Long Term, systemic effects	

			0.44 mg/Kg bw/day	Human Oral	Long Term, systemic effects
sodium hydroxide CAS: 1310-73-2			1 mg/m3	Human Inhalation	Long Term (repeated)
	1 mg/m3	1 mg/m3		Human Inhalation	Long Term (repeated)

8.2. Exposure controls

Eye protection:

Wear airtight protective goggles (see standard EN 166).

Protection for skin:

Wear category III professional long-sleeved overalls and safety footwear (see Regulation 2016/425 and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

Protection for hands:

Protect hands with category III work gloves (ref. Standard EN 374). For the final choice of the material of the work gloves it is necessary to consider: compatibility, degradation, breakage time and permeation. In the case of preparations, the resistance of work gloves to chemical agents must be checked before use as it is not foreseeable. Gloves have a wear time that depends on the duration and method of use. Recommended material: Nitrile, minimum 0.38 mm thick or equivalent protective barrier material with a high level performance for conditions of use in continuous contact, with a minimum permeability time of 480 minutes in accordance with the CEN standard EN 420 and EN 374.

Respiratory protection:

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, use a mask with a type B filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration. (see standard EN 14387). In the presence of gases or vapours of various kinds and/or gases or vapours containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are required.

Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.

If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529.

Thermal Hazards:

N.A.

Environmental exposure controls:

Emissions from manufacturing processes, including those from ventilation equipment, should be controlled for compliance with environmental protection legislation.

Product residues must not be discharged without control into waste water or water courses.

Hygienic and Technical measures

N.A.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical State Liquid

Appearance and colour: Viscous Transparent pale yellow

Odour: Pungent

pH: 13.50

Kinematic viscosity: N.A. (Not relevant for the classification and hazards of the mixture)

Melting point / freezing point: 0 °C (32 °F) Notes < of (< of)

Initial boiling point and boiling range: 100 °C (212 °F) Notes > of (> of)

Flash point: > 93°C

Upper/lower flammability or explosive limits: N.A. (not flammable)

Vapour density: N.A. (not determined as it is considered irrelevant for the characterisation of the product)

Vapour pressure: N.A. (not determined as it is considered irrelevant for the characterisation of the product)

Relative density: 1.11 g/cm3

Solubility in water: Soluble

Solubility in oil: N.A.

Partition coefficient (n-octanol/water): N.A. (Not applicable for mixtures.)

Auto-ignition temperature: N.A. (not self-ignitable)

Decomposition temperature: N.A. (Not applicable (aqueous mixture))

Flammability: ; Non-flammable.

Particle characteristics:

Particle size: N.A.

VOC content (g/L) in the product (2010/75/UE) 0.00

VOC content % in the product (2010/75/UE) 0.00

9.2. Other information

(Not explosive)

(not oxidizing)

No other relevant information

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available

10.2. Chemical stability

Product is stable under normal conditions of use and storage.

10.3. Possibility of hazardous reactions

Contact with strong acids causes the development of toxic gases.

10.4. Conditions to avoid

Avoid contact with strong acids.

10.5. Incompatible materials

Acids

10.6. Hazardous decomposition products

Due to thermal decomposition or in case of fire, gases and vapors can be released that are potentially harmful to health.

SECTION 11: Toxicological information

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

Toxicological Information of the Preparation

a) acute toxicity	Not classified
	Based on available data, the classification criteria are not met
b) skin corrosion/irritation	The product is classified: Skin Corr. 1A(H314)
c) serious eye damage/irritation	The product is classified: Eye Dam. 1(H318)
d) respiratory or skin sensitisation	Not classified
	Based on available data, the classification criteria are not met
e) germ cell mutagenicity	Not classified
	Based on available data, the classification criteria are not met
f) carcinogenicity	Not classified
	Based on available data, the classification criteria are not met
g) reproductive toxicity	Not classified
	Based on available data, the classification criteria are not met
h) STOT-single exposure	Not classified
	Based on available data, the classification criteria are not met
i) STOT-repeated exposure	Not classified
	Based on available data, the classification criteria are not met
j) aspiration hazard	Not classified
	Based on available data, the classification criteria are not met

Toxicological information on main components of the mixture:

sodium hypochlorite, solution Cl active	a) acute toxicity	LD50 Oral Rat > 1100 mg/kg	
		LD50 Skin Rabbit > 20000 mg/kg	
		LC50 Inhalation Rat > 10.5 mg/l 1h	
Potassium carbonate	a) acute toxicity	LD50 Oral Rat > 2000 mg/kg	
		LD50 Skin Rabbit > 2000 mg/kg	
		LC50 Inhalation Rat > 4.96 mg/l	4.5 h
	g) reproductive toxicity	Reproductive Toxicity Rat = 180 mg/kg	
	h) STOT-single exposure	Respiratory Tract Irritant	

	i) STOT-repeated exposure	No Observed Adverse Effect Level Oral Rat = 2667 mg/kg	130 weeks
N,N-dimethyltetradecylamine N-oxide	a) acute toxicity	LD50 Skin Rat = 1064 mg/kg	
sodium hydroxide	a) acute toxicity	LD50 Oral Rabbit = 325 mg/kg bw	
	b) skin corrosion/irritation	Skin Corrosive	
	c) serious eye damage/irritation	Eye Corrosive	

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.

Eco-Toxicological Information:

Toxic to aquatic life with long lasting effects.

List of Eco-Toxicological properties of the product

The product is classified: Aquatic Acute 1(H400), Aquatic Chronic 2(H411)

List of Eco-Toxicological properties of the components

Component	Ident. Numb.	Ecotox Data
sodium hypochlorite, solution Cl active	CAS: 7681-52-9 - EINECS: 231-668-3 - INDEX: 017-011-00-1	a) Aquatic acute toxicity : LC50 Fish > 0.01 mg/L 96h
		a) Aquatic acute toxicity : EC50 Daphnia > 0.01 mg/L 48h
		a) Aquatic acute toxicity : IC50 Algae > 0.1 mg/L 96h
Potassium carbonate	CAS: 584-08-7 - EINECS: 209-529-3	a) Aquatic acute toxicity : LC50 Fish Oncorhynchus mykiss = 68 mg/L 96h
		a) Aquatic acute toxicity : EC50 Daphnia Daphnia pulex = 200 mg/L 48h
N,N-dimethyltetradecylamine N-oxide	CAS: 3332-27-2 - EINECS: 222-059-3	a) Aquatic acute toxicity : LC50 Fish Danio rerio = 2.4 mg/L 96h
		a) Aquatic acute toxicity : EC50 Daphnia = 2.64 mg/L 48h
		a) Aquatic acute toxicity : EC50 Algae = 0.19 mg/L
		b) Aquatic chronic toxicity : NOEC Algae = 0.067 mg/L
sodium hydroxide	CAS: 1310-73-2 - EINECS: 215-185-5 - INDEX: 011-002-00-6	a) Aquatic acute toxicity : LC50 Fish = 189 mg/L 48h
		a) Aquatic acute toxicity : EC50 Daphnia = 40.4 mg/L 48h

12.2. Persistence and degradability

Component	Persitence/Degradability:	Test	Duration	Value	Notes
N,N-dimethyltetradecylamine N-oxide	Readily biodegradable	OECD 301	28 days	80.000	>

12.3. Bioaccumulative potential

Component	Bioaccumulation
sodium hypochlorite, solution Cl active	Not bioaccumulative

12.4. Mobility in soil

N.A.

12.5. Results of PBT and vPvB assessment

No PBT, vPvB or endocrine disruptor substances present in concentration >= 0.1%.

12.6 Endocrine disrupting properties

No endocrine disruptor substances present in concentration >= 0.1%

12.7 Other adverse effects

N.A.

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.

Waste code:

Waste Code:

Code	Description
	Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations. Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations. CONTAMINATED PACKAGING Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

SECTION 14: Transport information

14.1. UN number or ID number

1791

14.2. UN proper shipping name

ADR-Shipping Name: HYPOCHLORITE SOLUTION

IATA-Technical name: HYPOCHLORITE SOLUTION

IMDG-Technical name: HYPOCHLORITE SOLUTION (sodium hypochlorite in solution)

14.3. Transport hazard class(es)

ADR-Class: 8

IATA-Class: 8

IMDG-Class: 8

14.4. Packing group

ADR-Packing Group: III

IATA-Packing group: III

IMDG-Packing group: III

14.5. Environmental hazards

Toxic Component most present: sodium hypochlorite, solution Cl active

Toxic Ingredients Qty: 3.46

High Toxicity Ingredients Qty: 7.50

Marine pollutant: Yes

Environmental Pollutant: Yes

IMDG-EMS: F-A, S-B

14.6. Special precautions for user

Road and Rail (ADR-RID) :

ADR exempt:

ADR-Label: 8

ADR - Hazard identification number: 80

ADR-Special Provisions: 521

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

Air (IATA) :

IATA-Passenger Aircraft: 852

IATA-Cargo Aircraft: 856

IATA-Label: 8

IATA-Subsidiary hazards: -

IATA-Erg: 8L

IATA-Special Provisioning: A3 A803

Sea (IMDG) :

IMDG-Stowage Code: Category B

IMDG-Stowage Note: SG20 SGG8

IMDG-Subsidiary hazards: -

IMDG-Special Provisioning: 223 274 900

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. 2018/699 (ATP 11 CLP)

Regulation (EU) n. 2018/1480 (ATP 13 CLP)

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. 2018/699 (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. 2020/878

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: 3

Restrictions related to the substances contained: 75

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

Seveso III category according to Annex 1, part 1	Lower-tier threshold (tonnes)	Upper-tier threshold (tonnes)
Product belongs to category: E1	100	200
Product belongs to category: E2	200	500

Regulation (EU) No 649/2012 (PIC regulation)

No substances listed

German Water Hazard Class.

Class 3: extremely hazardous.

SVHC Substances:

No data available

Dir. 2004/42/EC (VOC directive)

(ready to use)

Volatile Organic compounds - VOCs = 0.00 %

Volatile Organic compounds - VOCs = 0.00 g/L

Dir. 2010/75/EC (VOC directive)

Volatile Organic compounds - VOCs = 0.00 %

Volatile Organic compounds - VOCs = 0.00 g/L

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for the mixture.

Substances for which a Chemical Safety Assessment has been carried out:

N,N-dimethyltetradecylamine N-oxide

sodium hydroxide

SECTION 16: Other information

Code	Description
H290	May be corrosive to metals.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.

Code	Hazard class and hazard category	Description
2.16/1	Met. Corr. 1	Substance or mixture corrosive to metals, Category 1
3.1/4/Oral	Acute Tox. 4	Acute toxicity (oral), Category 4
3.2/1A	Skin Corr. 1A	Skin corrosion, Category 1A
3.2/1B	Skin Corr. 1B	Skin corrosion, Category 1B
3.2/2	Skin Irrit. 2	Skin irritation, Category 2
3.3/1	Eye Dam. 1	Serious eye damage, Category 1
3.3/2	Eye Irrit. 2	Eye irritation, Category 2
3.8/3	STOT SE 3	Specific target organ toxicity — single exposure, Category 3
4.1/A1	Aquatic Acute 1	Acute aquatic hazard, category 1
4.1/C1	Aquatic Chronic 1	Chronic (long term) aquatic hazard, category 1
4.1/C2	Aquatic Chronic 2	Chronic (long term) aquatic hazard, category 2

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
3.2/1A	On basis of test data (pH)
3.3/1	On basis of test data (pH)
4.1/A1	Calculation method
4.1/C2	Calculation method
2.16/1	On basis of test data

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.
Legend to abbreviations and acronyms used in the safety data sheet:

ACGIH: American Conference of Governmental Industrial Hygienists
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
AND: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ATE: Acute Toxicity Estimate
ATEmix: Acute toxicity Estimate (Mixtures)
BCF: Biological Concentration Factor
BEI: Biological Exposure Index
BOD: Biochemical Oxygen Demand
CAS: Chemical Abstracts Service (division of the American Chemical Society).
CAV: Poison Center
CE: European Community
CLP: Classification, Labeling, Packaging.
CMR: Carcinogenic, Mutagenic and Reprotoxic
COD: Chemical Oxygen Demand
COV: Volatile Organic Compound
CSA: Chemical Safety Assessment
CSR: Chemical Safety Report
DMEL: Derived Minimal Effect Level
DNEL: Derived No Effect Level.
DPD: Dangerous Preparations Directive
DSD: Dangerous Substances Directive
EC50: Half Maximal Effective Concentration
ECHA: European Chemicals Agency
EINECS: European Inventory of Existing Commercial Chemical Substances.
ES: Exposure Scenario
GefStoffVO: Ordinance on Hazardous Substances, Germany.
GHS: Globally Harmonized System of Classification and Labeling of Chemicals.
IARC: International Agency for Research on Cancer
IATA: International Air Transport Association.
IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
IC50: half maximal inhibitory concentration
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.
IRCCS: Scientific Institute for Research, Hospitalization and Health Care
KAFH: KAFH
KSt: Explosion coefficient.
LC50: Lethal concentration, for 50 percent of test population.
LD50: Lethal dose, for 50 percent of test population.
LDLo: Leathal Dose Low
N.A.: Not Applicable
N/A: Not Applicable
N/D: Not defined/ Not available
NA: Not available
NIOSH: National Institute for Occupational Safety and Health
NOAEL: No Observed Adverse Effect Level
OSHA: Occupational Safety and Health Administration.
PBT: Persistent, Bioaccumulative and Toxic
PGK: Packaging Instruction
PNEC: Predicted No Effect Concentration.
PSG: Passengers
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.
TWATLV: Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).

vPvB: Very Persistent, Very Bioaccumulative.
WGK: German Water Hazard Class.