

FASSAFILL MEDIUM

Safety Data Sheet dated 16/04/2026 version 4

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Mixture identification:

Trade name: FASSAFILL MEDIUM

Trade code: 1226

UFI: 5UHX-RAU4-800D-SVY5

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

Recommended use: Cementitious sealant in powder form

1.3. Details of the supplier of the safety data sheet

Company: FASSA Srl

Via Lazzaris, 3 - 31027 Spresiano (TV) - Italy

Tel. +39 0422 7222

Fax +39 0422 887509

Imported in the UK:

FASSA UK LTD

Ashchurch Business Centre,

Alexandra Way, Ashchurch, Tewkesbury GL20 8TD- UK

Tel. +44 (0) 1684.212272

Responsible: laboratorio.spresiano@fassabortolo.it

1.4. Emergency telephone number

NHS 111

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Regulation (EC) n. 1272/2008 (CLP)**

Skin Irrit. 2	Causes skin irritation.
Eye Dam. 1	Causes serious eye damage.
Skin Sens. 1	May cause an allergic skin reaction.
STOT SE 3	May cause respiratory irritation.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements**Regulation (EC) No 1272/2008 (CLP):****Hazard pictograms and Signal Word**

Danger

Hazard statements

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.

Precautionary statements

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P261	Avoid breathing dust.
P280	Wear protective gloves and eye/face 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.

P310 Immediately call a POISON CENTER/doctor.

P501 Dispose of contents/container in accordance with national regulation.

Contains:

2-octyl-2H-isothiazol-3-one
Portland cement clinker

Special provisions according to Annex XVII of REACH and subsequent amendments:

None.
The product has been classified according to Regulation (EC) No 1272/2008 (CLP) as amended by UK CLP Regulation, UK SI 2019/720 and UK SI 2020/1567.

2.3. Other hazards

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

Contains biocides. For fungicidal and algacidal property for films: 2-octyl-2H-isothiazol-3-one, Terbutryn.
For information on respirable silica crystalline, quartz (respirable fraction), see section 11.

The mixture has a low chromium content. In the ready-to-use formulation, after adding water, the maximum soluble hexavalent chromium content is 2 mg/kg dry weight. To ensure a low chromium content, it is nevertheless essential to store the product correctly, in a dry place and for no longer than the maximum specified shelf life. The percentage of respirable crystalline silica is less than 1%. Identification of the product is not therefore mandatory. Respiratory protective equipment is however recommended.

No other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances

N.A.

3.2. Mixtures

Mixture identification: FASSAFILL MEDIUM

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

Qty	Name	Ident. Numb.	Classification	Registration Number:
≥30 - <50 %	Portland cement clinker	CAS:65997-15-1 EC:266-043-4	Skin Irrit. 2, H315; Eye Dam. 1, H318; Skin Sens. 1B, H317; STOT SE 3, H335	Exempted
≥0.3 - <0.5 %	Silica crystalline, quartz (respirable fraction)	CAS:14808-60-7 EC:238-878-4	STOT RE 1, H372	Exempted
≥0.00015 - <0.0015 %	2-octyl-2H-isothiazol-3-one	CAS:26530-20-1 EC:247-761-7 Index:613-112-00-5	Acute Tox. 3, H311 Acute Tox. 3, H301 Eye Dam. 1, H318 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 Skin Sens. 1A, H317 Skin Corr. 1, H314 Acute Tox. 2, H330, M-Chronic:100, M-Acute:100, EUH071	
Specific Concentration Limits: C ≥ 0.0015%: Skin Sens. 1A H317				
Acute Toxicity Estimate: ATE - Oral: 125mg/kg bw ATE - Dermal: 311mg/kg bw ATE - Inhalation (Dust/mist): 0.27mg/l				

Refer to section 8.1 for information on the crystalline silica, quartz (respirable fraction)
Classifications according to Regulation (EC) No 1272/2008 (CLP) as amended by UK CLP Regulation, UK SI 2019/720 and UK SI 2020/1567.

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:
Remove contaminated clothing immediatley and dispose off safely.
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.
OBTAIN IMMEDIATE MEDICAL ATTENTION.
Wash thoroughly the body (shower or bath).

In case of eyes contact:

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

Protect uninjured eye.

In case of Ingestion:

Do not induce vomiting, get medical attention showing the SDS and label hazardous.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

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

The symptoms and effects are as expected from the hazards as shown in section 2.

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).

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

CO2, powder extinguisher, foam, water spray.

Product is not flammable.

Extinguishing media which must not be used for safety reasons:

Water jet.

5.2. Special hazards arising from the substance or mixture

Burning produces heavy smoke.

In the event of fire and/or explosion do not breathe fumes.

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

For non emergency personnel:

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.

For emergency responders:

Wear personal protection equipment.

Dry vacuuming using suitable equipment.

6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

6.3. Methods and material for containment and cleaning up

After the product has been recovered, rinse the area and materials involved with water.

Retain contaminated washing water and dispose it.

In the event of accidental spillage, remove the product by dry vacuuming.

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 the skin and eyes and inhalation of dust.

Avoid operations that cause the spread of dust.

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.

Advice on general occupational hygiene:

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

Keep away from food, drink and feed.

Control of soluble hexavalent chromium:

For cements treated with a hexavalent chromium reducing agent, in accordance with the regulations given in section 15, the effectiveness of the reducing agent diminishes with time. The packaging of the material therefore includes information on the production date and the appropriate storage conditions and period to maintain the activity of the reducing agent and keep the content of soluble hexavalent chromium below 2 ppm of the total dry weight of the cement, in accordance with EN 196-10.

Incompatible materials:

See chapter 10.5

Instructions as regards storage premises:

Adequately ventilated premises.

7.3. Specific end use(s)

Recommendation(s)

See chapter 1.2

Industrial sector specific solutions:

None in particular

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Community Occupational Exposure Limits (OEL)

Portland cement clinker

CAS: 65997-15-1	OEL Type	ACGIH	Long Term: 1 mg/m ³ Notes: (E,R), A4 - Pulm func, resp symptoms, asthma
	OEL Type	MAK AUSTRIA	Long Term: 5 mg/m ³ Notes: Inhalable aerosol
	OEL Type	VLEP BELGIUM	Long Term: 1 mg/m ³ Notes: Respirable fraction
	OEL Type	VLA SPAIN	Long Term: 4 mg/m ³ Notes: Respirable fraction
	OEL Type	ÁK HUNGARY	Long Term: 10 mg/m ³ Notes: Inhalable fraction
	OEL Type	SUVA SWITZERLAND	Long Term: 5 mg/m ³ Notes: Inhalable aerosol
	OEL Type	WEL U.K.	Long Term: 10 mg/m ³ Notes: Inhalable aerosol
			Long Term: 4 mg/m ³ Notes: Respirable aerosol
	OEL Type	GVI CROATIA	Long Term: 10 mg/m ³ Notes: Inhalable aerosol
			Long Term: 4 mg/m ³ Notes: Respirable aerosol
	OEL Type	NDS POLAND	Long Term: 6 mg/m ³ Notes: Inhalable fraction
			Long Term: 2 mg/m ³ Notes: Respirable fraction

Silica crystalline, quartz (respirable fraction)

CAS: 14808-60-7	OEL Type	ACGIH	Long Term: 0.025 mg/m ³ Notes: (R), A2 - Pulm fibrosis, lung cancer
	OEL Type	EU	Long Term: 0.1 mg/m ³ Notes: Respirable dust particles
	OEL Type	MAK AUSTRIA	Long Term: 0.05 mg/m ³ Notes: Respirable fraction
	OEL Type	VLEP BELGIUM	Long Term: 0.1 mg/m ³ Notes: Respirable dust; Additional indication "C" means that the agent falls within the scope of Title 2 concerning carcinogenic, mutagenic and reprotoxic agents of Book VI of the Codex on well-being at work.
	OEL Type	VLEP FRANCE	Long Term: 0.1 mg/m ³

			Notes: Respirable fraction
OEL Type	VLEP	ITALY	Long Term: 0.1 mg/m ³ Notes: Respirable dust particles
OEL Type	VLA	SPAIN	Long Term: 0.05 mg/m ³ Notes: Respirable fraction
OEL Type	ÁK	HUNGARY	Long Term: 0.1 mg/m ³ Notes: Respirable fraction
OEL Type	MAC	NETHERLAND S	Long Term: 0.075 mg/m ³ Notes: Respirable fraction
OEL Type	SUVA	SWITZERLAN D	Long Term: 0.15 mg/m ³ Notes: Respirable aerosol
OEL Type	GVI	CROATIA	Long Term: 0.1 mg/m ³
OEL Type	AGW	GERMANY	Long Term: 0.05 mg/m ³ ; Short Term: 0.4 mg/m ³ Notes: Respirable fraction
OEL Type	NDS	POLAND	Long Term: 0.1 mg/m ³ Notes: Respirable fraction
OEL Type	MV	SLOVENIA	Long Term: 0.15 mg/m ³
OEL Type	IPRV	LITHUANIA	Long Term: 0.1 mg/m ³
OEL Type	NGV/KG V	SWEDEN	Long Term: 0.1 mg/m ³ Notes: Respirable fraction

2-octyl-2H-isothiazol-3-one

CAS: 26530-20-1	OEL Type	MAK	AUSTRIA	Long Term: 0.05 mg/m ³ ; Short Term: 0.1 mg/m ³ Notes: Inhalable aerosol
	OEL Type	MAK	GERMANY	Long Term: 0.05 mg/m ³ ; Short Term: 0.1 mg/m ³ Notes: Inhalable fraction, Skin
	OEL Type	SUVA	SWITZERLAN D	Long Term: 0.05 mg/m ³ ; Short Term: 0.1 mg/m ³ Notes: Inhalable aerosol
	OEL Type	AGW	GERMANY	Long Term: 0.05 mg/m ³ ; Short Term: 0.1 mg/m ³ Notes: Inhalable fraction, Skin

During the risk assessment process, it is essential to take into consideration the ACGIH occupational exposure levels for inert particulate not otherwise classified (PNOC respirable fraction: 3 mg/m³; PNOC inhalable fraction: 10 mg/m³). For values above these limits, use a P type filter, with a class (1, 2 or 3) chosen according to the outcome of the risk assessment.

8.2. Exposure controls

Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction.

Eye protection:

Use close fitting safety goggles, don't use contact lenses.

Protection for skin:

Use suitable clothing that provides complete protection to the skin according to activity and exposure (EN 14605/EN 13982), e.g. overall, apron, safety shoes, suitable clothing.

Protection for hands:

There is no material or combination of materials for gloves that can guarantee unlimited resistance to any individual chemical or combination of chemicals.

For prolonged or repeated handling, use chemical resistant gloves.

Suitable materials for safety gloves (EN 374/EN 16523); NBR (Nitril rubber): thickness $\geq$ 0.4 mm; permeation time $\geq$ 480 min. FKM (Fluorinated rubber): thickness $\geq$ 0.4 mm; permeation time $\geq$ 480 min

The choice of suitable gloves does not only depend on the material, but also on other quality characteristics that vary from one manufacturer to another and on the manner and times according to which the mixture is used.

Respiratory protection:

If workers are exposed to concentrations above the exposure limit they must use appropriate, certified respirators.

Particle filter device (EN 143): mask with filter P2.

Use respiratory protection where ventilation is insufficient or exposure is prolonged.

Environmental exposure controls:

See point 6.2

Hygienic and Technical measures

See section 7.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical State: Solid
Appearance: Powder
Color: various
Odour: Odourless
Melting point/freezing point: N.D.
Boiling point or initial boiling point and boiling range: N.D.
Flammability: N.A.
Lower and upper explosion limit: N.A.
Flash point: N.A.
Auto-ignition temperature: N.A.
Decomposition temperature: N.A.
pH: $\geq 12.00 \leq 13.00$ (50% in water dispersion)
Kinematic viscosity: N.A.
Solubility in water: partially soluble
Solubility in oil: N.A.
Partition coefficient n-octanol/water (log value): N.A.
Vapour pressure: N.D.
Density and/or relative density: 1200-1400 kg/m³ (Internal method)
Relative vapour density: N.A.

Particle characteristics:

Based on the available data, the product does not contain nanomaterials.

9.2. Other information

Explosive properties: N.D.
Oxidizing properties: N.D.

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

Protect against moisture. Keep this product in a dry place.

10.5. Incompatible materials

None in particular.
See chapter 10.3

10.6. Hazardous decomposition products

None.
No hazardous decomposition products when stored and handled correctly.
See chapter 5.2

SECTION 11: Toxicological information

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

Information on hazard classes as defined in the retained Regulation (EC) No 1272/2008 (CLP) as amended by UK CLP Regulation, UK SI 2019/720 and UK SI 2020/1567.

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 Irrit. 2(H315)
c) serious eye damage/irritation	The product is classified: Eye Dam. 1(H318)
d) respiratory or skin sensitisation	The product is classified: Skin Sens. 1(H317)
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	The product is classified: STOT SE 3(H335)
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:

Portland cement clinker

CAS: 65997-15-1 a) acute toxicity LD50 Skin Rabbit > 2000 mg/kg

2-octyl-2H-isothiazol-3-one

CAS: 26530-20-1 a) acute toxicity ATE - Oral: 125 mg/kg bw
ATE - Dermal: 311 mg/kg bw
ATE - Inhalation (Dust/mist): 0.27 mg/l

11.2 Information on other hazards

Endocrine disrupting properties:

No endocrine disruptor substances present in concentration $\geq 0.1\%$

Information on crystalline silica:

The International Agency for Research on Cancer has declared that crystalline silica inhaled due to occupational exposure may cause lung cancer in humans. It nonetheless underlined that the risk does not pertain to all industrial situations nor all types of crystalline silica. In 2003, the EU Scientific Committee on Occupational Exposure Limit values declared that the main effect on humans of inhalation of respirable crystalline silica dust is silicosis. Sufficient information is available to conclude that the relative risk of lung cancer is higher among persons affected by silicosis. Protection of workers is guaranteed by compliance with current occupational exposure limit values. Workers must also receive suitable training on the appropriate use and handling of the product.

SECTION 12: Ecological information

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

12.1. Toxicity

Eco-Toxicological Information:

List of Eco-Toxicological properties of the product

Not classified for environmental hazards.

No data available for the product

List of Eco-Toxicological properties of the components

2-octyl-2H-isothiazol-3-one

CAS: 26530-20-1 a) Aquatic acute toxicity: LC50 Fish 0.036 mg/l 96h
a) Aquatic acute toxicity: EC50 Daphnia 0.42 mg/l 48h
a) Aquatic acute toxicity: EC50 Algae 0.084 mg/l 72h
b) Aquatic chronic toxicity: NOEC Fish 0.022 mg/l 28d
b) Aquatic chronic toxicity: NOEC Daphnia 0.002 mg/l 21d
b) Aquatic chronic toxicity: NOEC Algae 0.004 mg/l 72h

12.2. Persistence and degradability

2-octyl-2H-isothiazol-3-one

CAS: 26530-20-1 Non-readily biodegradable

12.3. Bioaccumulative potential

2-octyl-2H-isothiazol-3-one

CAS: 26530-20-1 Not bioaccumulative

12.4. Mobility in soil

2-octyl-2H-isothiazol-3-one

CAS: 26530-20-1 Test: Log Koc; Value: 2.390

12.5. Results of PBT and vPvB assessment

No PBT or vPvB substances present in concentration $\geq 0.1\%$

12.6 Endocrine disrupting properties

No endocrine disruptor substances present in concentration $\geq 0.1\%$

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.

Do not allow it to enter drains or watercourses.

Dispose of containers contaminated by the product in accordance with local or national legal provisions.

Once the product has expired, it must be disposed of in accordance with current legislation.

SECTION 14: Transport information

Not classified as dangerous in the meaning of transport regulations.

14.1. UN number or ID number

N.A.

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

N.A.

14.6. Special precautions for user

N.A.

Road and Rail (ADR-RID):

N.A.

Air (IATA):

N.A.

Sea (IMDG):

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)

Directive 2010/75/EU

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)

Regulation (EU) n. 2023/707

Regulation (EU) n. 2023/1434 (ATP 19 CLP)

Regulation (EU) n. 2023/1435 (ATP 20 CLP)

Regulation (EU) n. 2024/197 (ATP 21 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: None.

Restrictions related to the substances contained: 75

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

None

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

No substances listed

German Water Hazard Class.

Class 1: slightly hazardous for water.

SVHC Substances:

On the basis of available data, the product does not contain any SVHC in percentage $\geq 0.1\%$.

In order to provide information to manufacturers and users of products and materials containing crystalline silica, a guide has been created for managing respirable crystalline silica and the safe use of products containing crystalline silica in the workplace. For information: <http://www.nepsi.eu>: Agreement on workers' health protection through the good handling and use of crystalline silica and products containing it (2006/C 279/02).

Relevant EU provisions transposed through retained EU legislation:

UK REACH List of restrictions (Annex XVII);

UK REACH Candidate list of substances of very high concern (SVHC) for authorisation;

UK REACH List of substances subject to authorisation (Annex XIV);

Export and import of hazardous chemicals - Prior informed consent (PIC regulation).

15.2. Chemical safety assessment

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

SECTION 16: Other information

Code	Description
EUH071	Corrosive to the respiratory tract.
H301	Toxic if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H330	Fatal if inhaled.
H335	May cause respiratory irritation.
H372	Causes damage to organs through prolonged or repeated exposure if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Code	Hazard class and hazard category	Description
3.1/2/Inhal	Acute Tox. 2	Acute toxicity (inhalation), Category 2
3.1/3/Dermal	Acute Tox. 3	Acute toxicity (dermal), Category 3
3.1/3/Oral	Acute Tox. 3	Acute toxicity (oral), Category 3
3.2/1	Skin Corr. 1	Skin corrosion, Category 1
3.2/2	Skin Irrit. 2	Skin irritation, Category 2
3.3/1	Eye Dam. 1	Serious eye damage, Category 1
3.4.2/1	Skin Sens. 1	Skin Sensitisation, Category 1
3.4.2/1A	Skin Sens. 1A	Skin Sensitisation, Category 1A
3.4.2/1B	Skin Sens. 1B	Skin Sensitisation, Category 1B
3.8/3	STOT SE 3	Specific target organ toxicity — single exposure, Category 3
3.9/1	STOT RE 1	Specific target organ toxicity — repeated exposure, Category 1
4.1/A1	Aquatic Acute 1	Acute aquatic hazard, category 1
4.1/C1	Aquatic Chronic 1	Chronic (long term) aquatic hazard, category 1

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 Dam. 1, H318	Calculation method
Skin Sens. 1, H317	Calculation method
STOT SE 3, H335	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

Safety data sheets of raw materials suppliers.

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.

ATE: Acute Toxicity Estimate

ATEmix: Acute toxicity Estimate (Mixtures)

BEI: Biological Exposure Index

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

COV: Volatile Organic Compound

CSA: Chemical Safety Assessment

CSR: Chemical Safety Report

DNEL: Derived No Effect Level.

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.

IC50: half maximal inhibitory concentration

IMDG: International Maritime Code for Dangerous Goods.

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

N.D.: 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.

TLV-TWA: Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).

vPvB: Very Persistent, Very Bioaccumulative.

WGK: German Water Hazard Class.

Paragraphs modified from the previous revision:

- SECTION 2: Hazards identification

- SECTION 4: First aid measures
- SECTION 6: Accidental release measures
- SECTION 8: Exposure controls/personal protection
- SECTION 9: Physical and chemical properties
- SECTION 11: Toxicological information
- SECTION 12: Ecological information
- SECTION 15: Regulatory information
- SECTION 16: Other information