Safety Data Sheet
according to Regulation (EC) No. 1907/2006 (REACH)

Trade name :	OMNILUBE MA 1		
Revision date :	21.04.2023	**Version (Revision) :**	2.3.0 (2.2.0)
Print date :	21.04.2023		

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

1.1 Product identifier
OMNILUBE MA 1

1.2 Relevant identified uses of the substance or mixture and uses advised against
Relevant identified uses
Product Categories [PC]
PC24 - Lubricants, greases, release products

1.3 Details of the supplier of the safety data sheet
Supplier (manufacturer/importer/only representative/downstream user/distributor)
Lubricant Consult GmbH

Street : Gutenbergstraße 13

Postal code/city : 63477 MAINTAL (GERMANY)

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Information contact : Environment, Health & Safety: Dr. Rüdiger Hofmann

1.4 Emergency telephone number
+49 6109/7650-0
Monday to Friday 8:00 AM to 4:00 PM (CET)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture
Classification according to Regulation (EC) No 1272/2008 [CLP]
Aquatic Chronic 3 ; H412 - Hazardous to the aquatic environment : Chronic 3 ; Harmful to aquatic life with long lasting effects.

2.2 Label elements
Labelling according to Regulation (EC) No. 1272/2008 [CLP]
Hazard statements

H412	Harmful to aquatic life with long lasting effects.

Precautionary statements

P273	Avoid release to the environment.

2.3 Other hazards
None

SECTION 3: Composition/information on ingredients

3.2 Mixtures
Hazardous ingredients

Fatty acids, C16-18, barium salts ; REACH registration No. : 01-2119979513-28-xxxxx ; EC No. : 292-883-6; CAS No. : 91002-07-2

Weight fraction :	≥ 1 - < 5 %
Classification 1272/2008 [CLP] :	Acute Tox. 4 ; H302 Acute Tox. 4 ; H332

Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene ; REACH registration No. : 01-2119491299-23-xxxx ; EC No. : 270-128-1; CAS No. : 68411-46-1

Weight fraction : ≥ 1 - < 5 %
Classification 1272/2008 [CLP] : Repr. 2 ; H361 Aquatic Chronic 3 ; H412

(Z)-N-Methyl-N-(1-oxo-9-octadecenyl)glycine ; REACH registration No. : 01-2119488991-20-xxxx ; EC No. : 203-749-3; CAS No. : 110-25-8

Weight fraction : ≥ 0,5 - < 1 %
Classification 1272/2008 [CLP] : Eye Dam. 1 ; H318 Acute Tox. 4 ; H332 Skin Irrit. 2 ; H315 Aquatic Acute 1 ; H400 Aquatic Chronic 3 ; H412

2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol ; REACH registration No. : 01-2119777867-13-xxxx ; EC No. : 202-414-9; CAS No. : 95-38-5

Weight fraction : ≥ 0,5 - < 1 %
Classification 1272/2008 [CLP] : STOT RE 2 ; H373 Skin Corr. 1C ; H314 Eye Dam. 1 ; H318 Acute Tox. 4 ; H302 Aquatic Acute 1 ; H400 Aquatic Chronic 1 ; H410

Further ingredients

SHC (Synthetic hydrocarbon)

PTFE powder (Polytetrafluoroethylene)

Metallic soap

Additives not to declare

Additional information

Full text of H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

Following inhalation

Remove casualty to fresh air and keep warm and at rest. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. In case of respiratory tract irritation, consult a physician.

In case of skin contact

Remove contaminated, saturated clothing immediately. Wash immediately with: Water and soap In case of skin irritation, consult a physician.

After eye contact

Rinse immediately carefully and thoroughly with eye-bath or water. In case of eye irritation consult an ophthalmologist.

After ingestion

Let water be drunken in little sips (dilution effect). When in doubt or if symptoms are observed, get medical advice.

4.2 Most important symptoms and effects, both acute and delayed

No information available.

4.3 Indication of any immediate medical attention and special treatment needed

None

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

ABC-powder. BC-powder. Foam. Dry extinguishing powder. Carbon dioxide (CO2). Dry sand.

Unsuitable extinguishing media

Water Strong water jet. High power water jet.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products: Carbon monoxide (CO). Carbon dioxide (CO2). Gases/vapours, corrosive. Pyrolysis products, toxic, containing fluorine. Hydrofluoric acid. Burning produces heavy smoke.

5.3 Advice for firefighters

Use suitable breathing apparatus.

5.4 Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

Special danger of slipping by leaking/spilling product.

6.1 Personal precautions, protective equipment and emergency procedures

None

6.2 Environmental precautions

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Ensure waste is collected and contained. Make sure spills can be contained, e.g. in sump pallets or kerbed areas.

6.3 Methods and material for containment and cleaning up

Take up mechanically, placing in appropriate containers for disposal. Soak up inert absorbent and dispose as waste requiring special attention. Suitable material for taking up: Universal binder. Kieselguhr.

6.4 Reference to other sections

None

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Protective measures

It is recommended to design all work processes always so that the following is excluded: Generation/formation of mist. Avoid: Inhalation of vapours or spray/mists. Skin contact, Eye contact.

7.2 Conditions for safe storage, including any incompatibilities

Hints on joint storage

Storage class : 11

Storage class (TRGS 510) : 11

Keep away from

Food and feedingstuffs

Further information on storage conditions

Keep/Store only in original container. Keep container tightly closed. Protect against UV-radiation/sunlight. Humidity. Contact with air/oxygen. Dust deposits.

7.3 Specific end use(s)

None

SECTION 8: Exposure controls/personal protection

Keep away from food, drink and animal feeding stuffs. Wash hands before breaks and after work. Take the precautions customary when handling chemicals. Change contaminated, saturated clothing. Keep away from sources of ignition - No smoking.

8.1 Control parameters

DNEL/DMEL and PNEC values

DNEL/DMEL

Limit value type :	DNEL worker (systemic) (Fatty acids, C16-18, barium salts ; CAS No. : 91002-07-2)
Exposure route :	Inhalation
Exposure frequency :	Long-term (repeated)
Limit value :	= 29,88 mg/m^3
Limit value type :	DNEL Consumer (local) ((Z)-N-Methyl-N-(1-oxo-9-octadecenyl)glycine ; CAS No. : 110-25-8)
Exposure route :	Inhalation
Exposure frequency :	Short-term (acute)
Limit value :	= 9 mg/m^3
Limit value type :	DNEL Consumer (local) ((Z)-N-Methyl-N-(1-oxo-9-octadecenyl)glycine ; CAS No. : 110-25-8)
Exposure route :	Inhalation
Exposure frequency :	Long-term (repeated)
Limit value :	= 0,005 mg/m^3
Limit value type :	DNEL Consumer (systemic) ((Z)-N-Methyl-N-(1-oxo-9-octadecenyl)glycine ; CAS No. : 110-25-8)
Exposure route :	Oral
Exposure frequency :	Short-term (acute)
Limit value :	= 92 mg/kg
Limit value type :	DNEL Consumer (systemic) ((Z)-N-Methyl-N-(1-oxo-9-octadecenyl)glycine ; CAS No. : 110-25-8)
Exposure route :	Oral
Exposure frequency :	Long-term (repeated)
Limit value :	= 5 mg/kg
Limit value type :	DNEL Consumer (systemic) ((Z)-N-Methyl-N-(1-oxo-9-octadecenyl)glycine ; CAS No. : 110-25-8)
Exposure route :	Dermal
Exposure frequency :	Long-term (repeated)
Limit value :	= 5 mg/kg
Limit value type :	DNEL Consumer (systemic) ((Z)-N-Methyl-N-(1-oxo-9-octadecenyl)glycine ; CAS No. : 110-25-8)
Exposure route :	Dermal
Exposure frequency :	Short-term (acute)
Limit value :	= 50 mg/kg
Limit value type :	DNEL Consumer (systemic) ((Z)-N-Methyl-N-(1-oxo-9-octadecenyl)glycine ; CAS No. : 110-25-8)
Exposure route :	Inhalation
Exposure frequency :	Long-term (repeated)
Limit value :	= 0,1 mg/m^3
Limit value type :	DNEL worker (local) ((Z)-N-Methyl-N-(1-oxo-9-octadecenyl)glycine ; CAS No. : 110-25-8)
Exposure route :	Inhalation
Exposure frequency :	Short-term (acute)
Limit value :	= 18 mg/m^3
Limit value type :	DNEL worker (local) ((Z)-N-Methyl-N-(1-oxo-9-octadecenyl)glycine ; CAS No. : 110-25-8)
Exposure route :	Inhalation
Exposure frequency :	Long-term (repeated)
Limit value :	= 0,01 mg/m^3

Limit value type :	DNEL worker (systemic) ((Z)-N-Methyl-N-(1-oxo-9-octadecenyl)glycine ; CAS No. : 110-25-8)
Exposure route :	Dermal
Exposure frequency :	Short-term (acute)
Limit value :	= 100 mg/kg
Limit value type :	DNEL worker (systemic) (2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol ; CAS No. : 95-38-5)
Exposure route :	Dermal
Exposure frequency :	Short-term (acute)
Limit value :	= 2 mg/kg
Limit value type :	DNEL worker (systemic) (2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol ; CAS No. : 95-38-5)
Exposure route :	Inhalation
Exposure frequency :	Short-term (acute)
Limit value :	= 14 mg/m^3
Limit value type :	DNEL worker (systemic) ((Z)-N-Methyl-N-(1-oxo-9-octadecenyl)glycine ; CAS No. : 110-25-8)
Exposure route :	Dermal
Exposure frequency :	Long-term (repeated)
Limit value :	= 10 mg/kg
Limit value type :	DNEL worker (systemic) ((Z)-N-Methyl-N-(1-oxo-9-octadecenyl)glycine ; CAS No. : 110-25-8)
Exposure route :	Inhalation
Exposure frequency :	Long-term (repeated)
Limit value :	= 0,2 mg/m^3
Limit value type :	DNEL worker (systemic) (2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol ; CAS No. : 95-38-5)
Exposure route :	Dermal
Exposure frequency :	Long-term (repeated)
Limit value :	= 0,6 mg/kg
Limit value type :	DNEL worker (systemic) (2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol ; CAS No. : 95-38-5)
Exposure route :	Inhalation
Exposure frequency :	Long-term (repeated)
Limit value :	= 0,46 mg/m^3

PNEC

Limit value type :	PNEC (Aquatic, freshwater) (2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol ; CAS No. : 95-38-5)
Limit value :	= 0,0003 mg/l
Limit value type :	PNEC (Aquatic, freshwater) ((Z)-N-Methyl-N-(1-oxo-9-octadecenyl)glycine ; CAS No. : 110-25-8)
Limit value :	= 0,00043 mg/l
Limit value type :	PNEC (Aquatic, intermittent release) ((Z)-N-Methyl-N-(1-oxo-9-octadecenyl)glycine ; CAS No. : 110-25-8)
Limit value :	= 0,0043 mg/l
Limit value type :	PNEC (Aquatic, marine water) ((Z)-N-Methyl-N-(1-oxo-9-octadecenyl)glycine ; CAS No. : 110-25-8)
Limit value :	= 0,00004 mg/l
Limit value type :	PNEC (Aquatic, marine water) (2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol ; CAS No. : 95-38-5)
Limit value :	< 0,00001 mg/l
Limit value type :	PNEC (Sediment, freshwater) (2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol ; CAS No. : 95-38-5)
Limit value :	= 0,376 mg/kg
Limit value type :	PNEC (Sediment, marine water) (2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol ; CAS No. : 95-38-5)

Limit value :	= 0,0376 mg/kg
Limit value type :	PNEC Soil (2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol ; CAS No. : 95-38-5)
Limit value :	= 0,075 mg/kg
Limit value type :	PNEC (Sewage treatment plant) (2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol ; CAS No. : 95-38-5)
Limit value :	= 0,27 mg/l

8.2 Exposure controls

Personal protection equipment

Eye/face protection

Eye protection: not required. Avoid: Eye contact.

Recommended eye protection articles

DIN EN 166

Skin protection

Hand protection

Hand protection is not required

By long-term hand contact : Wear suitable gloves.

Suitable material : PE (Polyethylene). NR (natural rubber, natural latex). NBR (Nitrile rubber).

Breakthrough time (maximum wearing time) : PE < 30 min. ; NR < 10 min.; NBR > 480 min.

Thickness of the glove material : min. 0,38 mm

Recommended glove articles : EN ISO 374; DIN EN 420 Uvex. KCL, MAPA. Or comparable articles from other companies.

Respiratory protection

No special measures are necessary. Avoid: Inhalation of vapours or spray/mists

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Colour : yellowish - beige

Safety relevant basis data

Physical state :			pasty	
Initial boiling point and boiling range :	(1013 hPa)	>	300	°C
Decomposition temperature :	(1013 hPa)	>	200	°C
Flash point :	(1013 hPa)	>	250	°C
Vapour pressure :	(50 °C)	<	0,1	hPa
Density :	(20 °C)	=	0,88	g/cm^3

9.2 Other information

None

SECTION 10: Stability and reactivity

10.1 Reactivity

No information available.

10.2 Chemical stability

The product is stable.

10.3 Possibility of hazardous reactions

No information available.

10.4 Conditions to avoid

No information available.

10.5 Incompatible materials

Oxidising agent, strong.

10.6 Hazardous decomposition products

Carbon monoxide. Carbon dioxide (CO2). carbon black. Gases/vapours, harmful. Pyrolysis products, toxic, containing fluorine. Hydrofluoric acid.

SECTION 11: Toxicological information

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

By analogy:

Acute effects

Acute oral toxicity

Parameter :	LD50
Exposure route :	Oral
Species :	Rat
Effective dose :	> 2000 mg/kg

Acute dermal toxicity

Parameter :	LD50
Exposure route :	Dermal
Species :	Rabbit
Effective dose :	> 2000 mg/kg

Acute inhalation toxicity

Parameter :	LC50 ((Z)-N-Methyl-N-(1-oxo-9-octadecenyl)glycine ; CAS No. : 110-25-8)
Exposure route :	Inhalation
Species :	Rat
Effective dose :	= 1,37 mg/l
Exposure time :	4 h

Irritant and corrosive effects

Primary irritation to the skin

Parameter :	Primary irritation to the skin ((Z)-N-Methyl-N-(1-oxo-9-octadecenyl)glycine ; CAS No. : 110-25-8)
Species :	Rabbit
Result :	Irritant
Method :	OECD 404
Parameter :	Primary irritation to the skin (2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol ; CAS No. : 95-38-5)
Species :	Rabbit
Result :	Causes burns
Method :	OECD 404

Irritation to eyes

Parameter :	Irritation to eyes ((Z)-N-Methyl-N-(1-oxo-9-octadecenyl)glycine ; CAS No. : 110-25-8)
Species :	Rabbit
Result :	Irreversible.
Parameter :	Irritation to eyes (2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol ; CAS No. : 95-38-5)
Species :	Rabbit
Result :	Causes serious eye damage
Method :	OECD 405

Sensitisation

In case of skin contact

Parameter :	Skin sensitisation ((Z)-N-Methyl-N-(1-oxo-9-octadecenyl)glycine ; CAS No. : 110-25-8)
Species :	Guinea pig

Result :	Not sensitising.
Method :	OECD 406
Parameter :	Skin sensitisation ((Z)-N-Methyl-N-(1-oxo-9-octadecenyl)glycine ; CAS No. : 110-25-8)
Species :	Mouse
Result :	Not sensitising.
Method :	OECD 429

In case of inhalation

Parameter :	Sensitisation to the respiratory tract (2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol ; CAS No. : 95-38-5)
Species :	Guinea pig
Result :	Not sensitising.
Method :	OECD 406

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Germ cell mutagenicity

In vitro mutagenicity

Parameter :	Gene-mutations microrganisms ((Z)-N-Methyl-N-(1-oxo-9-octadecenyl)glycine ; CAS No. : 110-25-8)
Test result :	Negative.
Parameter :	Gene-mutations mammalian cells (2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol ; CAS No. : 95-38-5)
Test result :	Negative.
Parameter :	Gene-mutations mammalian cells ((Z)-N-Methyl-N-(1-oxo-9-octadecenyl)glycine ; CAS No. : 110-25-8)
Test result :	Negative.

Reproductive toxicity

Adverse effects on developmental toxicity

Parameter :	Adverse effects on developmental toxicity ((Z)-N-Methyl-N-(1-oxo-9-octadecenyl)glycine ; CAS No. : 110-25-8)
Species :	Mammalian cells (with metabolic activation)
Test result :	Negative.
Method :	OECD 421

Developmental toxicity/teratogenicity

One generation reproduction toxicity test

Parameter :	NOAEL(C) (Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene ; CAS No. : 68411-46-1)
Exposure route :	Oral
Species :	Rat
Effective dose :	= 18 mg/kg/d
Test result :	Questionable.
Method :	OECD 443
Source :	Published on the ECHA website
Parameter :	One generation reproduction toxicity test (2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol ; CAS No. : 95-38-5)
Test result :	Negative.
Method :	OECD 422

11.2 Information on other hazards

No information available.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity

Acute (short-term) fish toxicity

Parameter :	LC50 (Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene ; CAS No. : 68411-46-1)
Species :	Fish
Evaluation parameter :	Acute (short-term) fish toxicity
Effective dose :	> 71 mg/l
Exposure time :	96 h
Parameter :	LC50 ((Z)-N-Methyl-N-(1-oxo-9-octadecenyl)glycine ; CAS No. : 110-25-8)
Species :	Leuciscus idus (golden orfe)
Evaluation parameter :	Acute (short-term) fish toxicity
Effective dose :	3,2 - 4,6 mg/l
Exposure time :	96 h
Evaluation :	Very toxic to fish.
Method :	DIN 38412 / part 15
Parameter :	LC50 (2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol ; CAS No. : 95-38-5)
Species :	Brachydanio rerio (Zebra-fish)
Evaluation parameter :	Acute (short-term) fish toxicity
Effective dose :	= 0,3 mg/l
Exposure time :	96 h
Method :	OECD 203

Acute (short-term) daphnia toxicity

Parameter :	EC50 (Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene ; CAS No. : 68411-46-1)
Species :	Daphnia magna (Big water flea)
Evaluation parameter :	Acute (short-term) daphnia toxicity
Effective dose :	= 51 mg/l
Exposure time :	48 h
Parameter :	EC50 ((Z)-N-Methyl-N-(1-oxo-9-octadecenyl)glycine ; CAS No. : 110-25-8)
Species :	Daphnia magna (Big water flea)
Evaluation parameter :	Acute (short-term) daphnia toxicity
Effective dose :	= 0,53 mg/l
Exposure time :	48 h
Evaluation :	Very toxic to daphnia.
Parameter :	EC50 (2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol ; CAS No. : 95-38-5)
Species :	Daphnia magna (Big water flea)
Evaluation parameter :	Acute (short-term) daphnia toxicity
Effective dose :	= 0,136 mg/l
Exposure time :	48 h
Method :	OECD 202

Acute (short-term) algae toxicity

Parameter :	EC50 (Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene ; CAS No. : 68411-46-1)
Species :	Algae
Evaluation parameter :	Acute (short-term) algae toxicity
Effective dose :	> 100 mg/l
Exposure time :	72 h
Parameter :	EC50 ((Z)-N-Methyl-N-(1-oxo-9-octadecenyl)glycine ; CAS No. : 110-25-8)
Species :	Scenedesmus subspicatus
Evaluation parameter :	Acute (short-term) algae toxicity
Effective dose :	= 5,1 mg/l
Exposure time :	72 h
Evaluation :	Very toxic to algae.
Parameter :	EC50 (2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol ; CAS No. : 95-38-5)
Species :	Desmodesmus subspicatus
Evaluation parameter :	Acute (short-term) algae toxicity

Effective dose :	= 0,03 mg/l
Exposure time :	72 h
Method :	OECD 201

12.2 Persistence and degradability

Biodegradation

Parameter :	Biodegradation ((Z)-N-Methyl-N-(1-oxo-9-octadecenyl)glycine ; CAS No. : 110-25-8)
Evaluation :	Readily biodegradable (according to OECD criteria).
Parameter :	Biodegradation (2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol ; CAS No. : 95-38-5)
Evaluation :	Poorly biodegradable.
Parameter :	CO2 formation (% of the theoretical value) ((Z)-N-Methyl-N-(1-oxo-9-octadecenyl)glycine ; CAS No. : 110-25-8)
Effective dose :	= 85 %
Exposure time :	28 d
Method :	OECD 301B

Overall evaluation on the mixture: Not readily biodegradable (according to OECD criteria).

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6 Endocrine disrupting properties

Endocrine disrupting potential: None known.

12.7 Other adverse effects

This product does not contain nanoparticles.

12.8 Overall evaluation

If product enters soil, it will be mobile and may contaminate groundwater. In accordance with the required stability the product is poorly biodegradable.

SECTION 13: Disposal considerations

Dispose according to legislation. The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

13.1 Waste treatment methods

Send to a hazardous waste incinerator facility under observation of official regulations. Collect the waste separately. Evidence for disposal must be provided.

Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

Waste code product

12 01 12 - Spent waxes and fats - Contains Fluoropolymers

Waste code packaging

15 01 10 - Packaging containing residues of or contaminated by hazardous substances. - Dispose of completely emptied containers as combustible waste or metal waste depending on the material.

SECTION 14: Transport information

14.1 UN number or ID number

No dangerous good in sense of these transport regulations.

14.2 UN proper shipping name

No dangerous good in sense of these transport regulations.

14.3 Transport hazard class(es)
No dangerous good in sense of these transport regulations.

14.4 Packing group
No dangerous good in sense of these transport regulations.

14.5 Environmental hazards
No dangerous good in sense of these transport regulations.

14.6 Special precautions for user
None

14.7 Maritime transport in bulk according to IMO instruments
No transport as bulk according to IBC Code.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations

Restrictions of occupation

Not relevant

Störfallverordnung

Not subject to StörfallVO.

Emission control act (TA-Luft)

Weight fraction (Number 5.2.5. I) : < 1 %

Water hazard class (WGK)

Class : 2 (Significant hazardous to water) Classification according to AwSV

Other regulations, restrictions and prohibition regulations

Switzerland

VOCV-Regulation

Volatile organic compounds (VOC) content in percent by weight : 0 %

Additional information

TSCA (Toxic Substances Control Act) - USA, United States of America

All chemical substances in this mixture are included on or are exempted from listing on the TSCA Inventory for Chemical Substances. Use CAS-No. 6865-35-6 instead of CAS-No. 91002-07-2 for the barium salt.

California Proposition 65 - State of California

Based on available information this product does not contain any components or chemicals currently known to the State of California to cause cancer, birth defects or reproductive harm at levels which would be subject to Proposition 65.

15.2 Chemical safety assessment
No information available.

SECTION 16: Other information

16.1 Indication of changes
03. Hazardous ingredients · 13. Waste codes/waste designations according to EWC/AVV · 15. National regulations

16.2 Abbreviations and acronyms
None

16.3 Key literature references and sources for data
None

16.4 Classification for mixtures and used evaluation method according to regulation (EC)

No 1272/2008 [CLP]

The statement is derived from the properties of the single components.

16.5 Relevant H- and EUH-phrases (Number and full text)

H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H332	Harmful if inhaled.
H361	Suspected of damaging fertility or the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

16.6 Training advice

None

16.7 Additional information

None

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.