

SECTION 1. Identification of the substance/mixture and of the company/enterprise

1.1. Product identifier

Product name : LUBISAN Super Vet
Product code: refer to sales department

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

Secondary action cleaner lubricant

Sectors of use:

Industrial Manufacturing[SU3], Manufacture of food products[SU4]

Product category:

Lubricants, Greases and Release Products

Process categories:

Industrial spraying[PROC7], Transfer of substance or mixture (charging and discharging) at dedicated facilities[PROC8B]

Not recommended uses

Do not use for purposes other than those listed

1.3. Details of the supplier of the safety data sheet

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1.4. Emergency telephone number

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SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

2.1.1 Classification according to Regulation (EC) No 1272/2008:

Pictograms:

GHS07, GHS09

Hazard Class and Category Code(s):

Skin Irrit. 2, Eye Irrit. 2, Aquatic Chronic 2

Hazard statement Code(s):

H315 - Causes skin irritation.

H319 - Causes serious eye irritation.

H411 - Toxic to aquatic life with long lasting effects.

If brought into contact with eyes, the product causes significant irritations which may last for more than 24 hours, if brought into contact with skin, it causes significant inflammation with erythema, scabs, or edema

The product is dangerous to the environment as it is toxic to aquatic life with long lasting effects

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008:

Pictogram, Signal Word Code(s):

GHS07, GHS09 - Warning

Hazard statement Code(s):

H315 - Causes skin irritation.

H319 - Causes serious eye irritation.

H411 - Toxic to aquatic life with long lasting effects.

Supplemental Hazard statement Code(s):

EUH208 - Contains preservatives: Benzisothiazolinone. May produce an allergic reaction.

Precautionary statements:

Prevention

P273 - Avoid release to the environment.



P280 - Wear protective gloves and eye/face protection.
 Response
 P302+P352 - IF ON SKIN: Wash with plenty of water.
 P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P337+P313 - If eye irritation persists: Get medical advice/attention.
 Disposal
 P501 - Dispose of contents/container to local/regional/national/international regulations

Contains (Reg.EC 648/2004):
 < 5% , amphoteric surfactants, cationic surfactants
 Preservatives: Benzisothiazolinone

2.3. Other hazards

Based on the available data, no PBT or vPvB substances are present in accordance with Regulation (EC) 1907/2006, annex XIII

Do not ingest. Keep out of reach of children.

SECTION 3. Composition/information on ingredients

3.1 Substances

Irrilevant

3.2 Mixtures

Refer to paragraph 16 for full text of hazard statements

Substance	Concentration[w/w]	Classification	Index	CAS	EINECS	REACH
2,2'-(octadec-9-enylimino)bisethanol	>= 1 < 2,5%	Acute Tox. 4, H302; Skin Corr. 1A, H314; Eye Dam. 1, H318; Aquatic Acute 1, H400; Aquatic Chronic 1, H410 Acute toxicity M-factor = 10 Chronic toxicity M-factor = 1 ATE oral = 1.000,0 mg/kg		25307-17-9	246-807-3	01-2119510 876-35-xxxx
N,N-Dimethyltetradecylamine N-Oxide	>= 0,1 < 1%	Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Dam. 1, H318; Aquatic Acute 1, H400; Aquatic Chronic 2, H411 Acute toxicity M-factor = 1 Chronic toxicity M-factor = 1 ATE oral > 1.495,0 mg/kg		3332-27-2	222-059-3	01-2119949 262-37-XXX X
2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino)	>= 0,1 < 1%	Acute Tox. 4, H302; Skin Corr. 1B, H314;		1218787-32-6	620-540-6	01-2119510 877-33-XX

Substance	Concentration[w/w]	Classification	Index	CAS	EINECS	REACH
diethanol		Eye Dam. 1, H318; Aquatic Acute 1, H400; Aquatic Chronic 1, H410 Acute toxicity M-factor = 10 Chronic toxicity M-factor = 1 ATE oral = 1.200,0 mg/kg				XX
(Z)-Octadec-9-enylamine, ethoxylated (1-4.5 EO)	>= 0,1 < 1%	Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Dam. 1, H318; Aquatic Acute 1, H400; Aquatic Chronic 1, H410 Acute toxicity M-factor = 1 Chronic toxicity M-factor = 1 ATE oral > 300,0 mg/kg		26635-93-8	500-048-7	Polymer
(Z)-octadec-9-enylamine, C16-18-(even numbered, saturated and unsaturated)-alkylamines	>= 0,1 < 1%	Acute Tox. 4, H302; Asp. Tox. 1, H304; Skin Corr. 1B, H314; Eye Dam. 1, H318; STOT SE 3, H335; STOT RE 2, H373; Aquatic Acute 1, H400; Aquatic Chronic 1, H410 Acute toxicity M-factor = 10 Chronic toxicity M-factor = 10 ATE oral > 300,0 mg/kg		1213789-63-9	627-034-4	01-2119473 797-19-XXX X
Benzisothiazolinone	< 0,05%	Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1, H317; Eye Dam. 1, H318; Aquatic Acute 1, H400 Limits: Skin Sens. 1, H317 %C >=0,05; Acute toxicity M-factor = 10 Chronic toxicity M-factor = 1 ATE oral = 670,0 mg/kg	613-088-00-6	2634-33-5	220-120-9	01-2120761 540-60-XXX X

SECTION 4. First aid measures

4.1. Description of first aid measures

Inhalation:

Ventilate the area. Move immediately the contaminated patient from the area and keep him at rest in a well ventilated area. If you feel unwell seek medical advice.

Direct contact with skin (of the pure product):

Take off immediately contaminated clothing.

Wash immediately with plenty of running water and possibly with soap, the areas of the body that have, or are only suspected to have, come in contact with the product.

In case of contact with skin, wash immediately with water.

Direct contact with eyes (of the pure product):

Wash immediately and thoroughly with running water, keeping eyelids open for at least 10 minutes, then protect your eyes with a dry sterile gauze. Seek medical advice immediately

Do not use eye drops or ointments of any kind before the examination or advice from an oculist.

Ingestion:

Not dangerous. In case of malaise consult a doctor.

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

Contact with eyes may cause irritation, including redness and watery eyes. Contact with skin causes irritation and redness. Contact with skin may cause skin rash.

4.3. Indication of any immediate medical attention and special treatment needed

If skin irritation occurs: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

SECTION 5. Firefighting measures

5.1. Extinguishing media

Suggested extinguishing media:

Water spray, CO₂, foam, dry chemical, depending on the materials involved in the fire.

Extinguishing media to avoid:

Water jets. Use water jets only to cool the surfaces of the containers exposed to fire.

5.2. Special hazards arising from the substance or mixture

No data available.

5.3. Advice for firefighters

Use protection for the breathing apparatus

Safety helmet and full protective clothing.

The water spray can be used to protect the people involved in the extinction.

You may also use self-contained breathing apparatus, especially when working in confined and poorly ventilated areas.

Keep containers cool with water spray

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel:

Leave the area surrounding the spill or release. Do not smoke

Wear mask, gloves and protective clothing.

6.1.2 For emergency responders:

Eliminate all unguarded flames and possible sources of ignition. No smoking.

Provide a sufficient ventilation.
Evacuate the danger area and, in case, consult an expert.

6.2. Environmental precautions

Contain spills with earth or sand.
If the product has entered a watercourse, sewers or has contaminated soil or vegetation, notify the authorities.
Dispose of the waste material in compliance with the regulations

6.3. Methods and material for containment and cleaning up

6.3.1 Containment:
Rapidly recover the product, wear a mask and protective clothing (for specifications refer to section 8.2. SDS)
Recover the product for reuse, if possible, or for removal. Possibly absorb it with inert material or suck it.
Prevent it from entering the sewer system.

6.3.2 Cleaning up:
After wiping up, wash with water the area and materials involved

6.3.3 Other information:
None in particular.

6.4. Reference to other sections

Refer to paragraphs 8 and 13 for more information

SECTION 7. Handling and storage

7.1. Precautions for safe handling

Avoid contact and inhalation of vapors
Wear protective gloves and eye/face protection.
At work do not eat or drink.
See also paragraph 8 below.

7.2. Conditions for safe storage, including any incompatibilities

Keep in original container closed tightly. Do not store in open or unlabelled containers.
Keep containers upright and safe by avoiding the possibility of falls or collisions.
Store in a cool and dry place, away from heat sources and direct exposure to sunlight.

7.3. Specific end use(s)

Industrial Manufacturing:
Handle with extreme caution. Store in a well-ventilated place and away from heat sources (7-30 ° C)

Manufacture of food products:
Handle with Care. Store in a clean, dry and ventilated place, away from heat and direct sunlight (7-30 ° C). Keep container tightly closed.

See the annex exposure scenario.

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

- Substance: 2,2'-(octadec-9-enylimino)bisethanol

DNEL

Systemic effects Long term Workers inhalation = 1,76 (mg/m³)

Systemic effects Long term Workers dermal = 0,25 (mg/kg bw/day)

Systemic effects Long term Consumers inhalation = 0,621 (mg/m³)

Systemic effects Long term Consumers dermal = 0,179 (mg/kg bw/day)

Systemic effects Long term Consumers oral = 0,179 (mg/kg bw/day)

PNEC

Sweet water = 0,000214 (mg/l)

sediment Sweet water = 1,692 (mg/kg/sediment)

Sea water = 0,000021 (mg/l)

sediment Sea water = 0,169 (mg/kg/sediment)

ground = 5 (mg/kg ground)

- Substance: N,N-Dimethyltetradecylamine N-Oxide

DNEL

Systemic effects Long term Workers inhalation = 6,2 (mg/m³)

Systemic effects Long term Workers dermal = 11 (mg/kg bw/day)

Systemic effects Long term Consumers inhalation = 1,53 (mg/m³)

Systemic effects Long term Consumers dermal = 5,5 (mg/kg bw/day)

Systemic effects Long term Consumers oral = 0,44 (mg/kg bw/day)

PNEC

Sweet water = 0,0335 (mg/l)

sediment Sweet water = 5,24 (mg/kg/sediment)

Sea water = 0,0335 (mg/l)

sediment Sea water = 0,524 (mg/kg/sediment)

intermittent emissions = 0,0335 (mg/l)

STP = 24 (mg/l)

ground = 1,02 (mg/kg ground)

- Substance: 2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol

DNEL

Systemic effects Long term Workers inhalation = 2,112 (mg/m³)

Systemic effects Long term Workers dermal = 0,3 (mg/kg bw/day)

Systemic effects Long term Consumers inhalation = 0,745 (mg/m³)

Systemic effects Long term Consumers dermal = 0,214 (mg/kg bw/day)

Systemic effects Long term Consumers oral = 0,214 (mg/kg bw/day)

PNEC

Sweet water = 0,00021 (mg/l)

sediment Sweet water = 1,692 (mg/kg/sediment)

Sea water = 0,000002 (mg/l)

sediment Sea water = 0,1692 (mg/kg/sediment)

intermittent emissions = 0,00087 (mg/l)

STP = 1,5 (mg/l)

ground = 5 (mg/kg ground)

- Substance: (Z)-octadec-9-enylamine, C16-18-(even numbered, saturated and unsaturated)-alkylamines

DNEL

Systemic effects Long term Workers inhalation = 0,38 (mg/m³)

Systemic effects Long term Consumers oral = 0,04 (mg/kg bw/day)

Local effects Long term Workers inhalation = 1 (mg/m³)

Local effects Short term Workers inhalation = 1 (mg/m³)

PNEC

Sweet water = 0,00026 (mg/l)

sediment Sweet water = 3,76 (mg/kg/sediment)
Sea water = 0,000002 (mg/l)
sediment Sea water = 0,376 (mg/kg/sediment)
intermittent emissions = 0,0016 (mg/l)
STP = 0,55 (mg/l)
ground = 5 (mg/kg ground)

- Substance: Benzisothiazolinone

DNEL

Systemic effects Long term Workers inhalation = 6,81 (mg/m³)

Systemic effects Long term Workers dermal = 0,966 (mg/kg bw/day)

Systemic effects Long term Consumers inhalation = 1,2 (mg/m³)

Systemic effects Long term Consumers dermal = 0,345 (mg/kg bw/day)

PNEC

Sweet water = 0,011 (mg/l)

sediment Sweet water = 0,0499 (mg/kg/sediment)

Sea water = 0,001 (mg/l)

sediment Sea water = 0,00499 (mg/kg/sediment)

STP = 1,03 (mg/l)

ground = 10 (mg/kg ground)

8.2. Exposure controls

Appropriate engineering controls:

Industrial Manufacturing:

No specific monitoring foreseen (act according to good practice and specific rules for the type of risk associated)

Manufacture of food products:

No specific monitoring foreseen (act according to good practice and specific rules for the type of risk associated)

8.2.2 Individual protection measures:

(a) Eye / face protection

Wear protective goggles (EN 166).

(b) Skin protection

(i) Hand protection

When handling the pure product use chemical resistant protective gloves (EN 374-1/EN374-2/EN374-3)

(ii) Other

During working operation wear protective clothing (generic workwear / antacid, safety shoes or other protective equipment) according to the instructions of the employer

(c) Respiratory protection

Not needed for normal use.

None required if airborne concentrations are maintained below the exposure limit listed in Exposure Limit Information. Use certified respiratory protection equipment meeting EU requirements (89/656/EEC, 245/2016 UE), or equivalent, when respiratory risks cannot be avoided or sufficiently limited by technical means of collective protection or by measures, methods or procedures of work organization

(d) Thermal hazards

No hazard to report

Environmental exposure controls:

Use according to good working practices and avoid to disperse the product into the environment.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical and chemical properties	Value	Determination method
Physical state	Clear liquid	
Colour	Light yellow	
Odour	not determined as considered not relevant for the characterization of the product	
Odour threshold	not determined as considered not relevant for the characterization of the product	
Melting point/freezing point	not determined as considered not relevant for the characterization of the product	
Boiling point or initial boiling point and boiling range	not determined as considered not relevant for the characterization of the product	
Flammability	not determined as considered not relevant for the characterization of the product	
Lower and upper explosion limit	not determined as considered not relevant for the characterization of the product	
Flash point	not determined as considered not relevant for the characterization of the product	
Auto-ignition temperature	not determined as considered not relevant for the characterization of the product	
Decomposition temperature	not determined as considered not relevant for the characterization of the product	
pH	5,0 ± 0,5 (20°C)	
Kinematic viscosity	not determined as considered not relevant for the characterization of the product	
Solubility	in water	
Water solubility	miscible at concentrations of use	
Partition coefficient n-octanol/water (log value)	not determined as considered not relevant for the characterization of the product	
Vapour pressure	not determined as considered not relevant for the characterization of the product	
Density and/or relative density	1,00 ± 0,05 (20°C)	
Relative vapour density	not determined as considered not relevant for the characterization of the product	
Particle characteristics	not determined as considered not relevant for the characterization of the product	

9.2. Other information

9.2.1 Information with regard to physical hazard classes

No data available.

9.2.2 Other safety characteristics

No data available.

SECTION 10. Stability and reactivity

10.1. Reactivity

No reactivity hazards

10.2. Chemical stability

No hazardous reaction when handled and stored according to provisions.

10.3. Possibility of hazardous reactions

There are no hazardous reactions

10.4. Conditions to avoid

Nothing to report

10.5. Incompatible materials

None in particular.

10.6. Hazardous decomposition products

Does not decompose when used for intended uses.

SECTION 11. Toxicological information

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

ATE(mix) oral = 25.518,2 mg/kg

(a) acute toxicity: 2,2'-(octadec-9-enylimino)bisethanol: Ingestion - LD50 rat (mg / kg / 24h bw): 1 000 - 1 587

Skin contact - LC50 rat / rabbit (mg / kg / 24h bw): scientifically unnecessary study

Inhalation - LD50 rat (mg / l / 4h): scientifically unnecessary study

N,N-Dimethyltetradecylamine N-Oxide: Ingestion - LD50 rat (mg / kg / 24h bw):> 1495

Skin contact - LC50 rat / rabbit (mg / kg / 24h bw):> 2000

Inhalation - LD50 rat (mg / l / 4h): nd

2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol: Ingestion - LD50 rat (mg / kg / 24h bw): 1,200 - 2,000

Skin contact - LC50 rat / rabbit (mg / kg / 24h bw): na.

Inhalation - LD50 rat (mg / l / 4h): na

(Z)-Octadec-9-enylamine, ethoxylated (1-4.5 EO): Ingestion - LD50 rat (mg / kg / 24h bw):> 300.

Skin contact - LC50 rat / rabbit (mg / kg / 24h bw): na

Inhalation - LD50 rat (mg / l / 4h): na

(Z)-octadec-9-enylamine, C16-18-(even numbered, saturated and unsaturated)-alkylamines: Ingestion - LD50 rat (mg / kg / 24h bw):> 300

Skin contact - LC50 rat / rabbit (mg / kg / 24h bw):> 2000

Inhalation - LD50 rat (mg / l / 4h): na

Benzisothiazolinone: Ingestion - LD50 rat (mg / kg / 24h bw): 670

Skin contact - LC50 rat / rabbit (mg / kg / 24h bw):> 2000

(b) skin corrosion/irritation: If brought into contact with the skin, the product causes significant inflammation with erythema, scabs, or edema.

2,2'-(octadec-9-enylimino)bisethanol: Corrosive (3 min of application highlight skin corrosion after 24 hours)

N,N-Dimethyltetradecylamine N-Oxide: Non-corrosive

2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol: Corrosive

(Z)-Octadec-9-enylamine, ethoxylated (1-4.5 EO): Unavailable

(Z)-octadec-9-enylamine, C16-18-(even numbered, saturated and unsaturated)-alkylamines: Adverse effects have been observed

Benzisothiazolinone: Corrosive

2,2'-(octadec-9-enylimino)bisethanol: Irritant (rabbit at 0.5 ml of undiluted substance OECD method 0404 caused severe erythema and edema and after 24 hours of necrosis and crusting. There is no evidence of corrosion - at the 1 hour observation time)

N,N-Dimethyltetradecylamine N-Oxide: Irritating

2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol: Irritating

(Z)-Octadec-9-enylamine, ethoxylated (1-4.5 EO): Irritating

(Z)-octadec-9-enylamine, C16-18-(even numbered, saturated and unsaturated)-alkylamines: Adverse effects have been observed

Benzisothiazolinone: Irritating

(c) serious eye damage/irritation: If brought into contact with eyes, the product causes significant irritations which may last for more than 24 hours.

2,2'-(octadec-9-enylimino)bisethanol: Study not scientifically justified, as being classified as Skin Corr. , is also classified as Eye Dam.1

N,N-Dimethyltetradecylamine N-Oxide: Causes eye damage

2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol: Study not scientifically justified, as being classified as Skin Corr. , is also classified as Eye Dam.1

(Z)-Octadec-9-enylamine, ethoxylated (1-4.5 EO): Corrosive

(Z)-octadec-9-enylamine, C16-18-(even numbered, saturated and unsaturated)-alkylamines: Corrosive

Benzisothiazolinone: Corrosive

2,2'-(octadec-9-enylimino)bisethanol: Study not scientifically justified, as being classified as Skin Corr. , is also classified as Eye Dam.1

N,N-Dimethyltetradecylamine N-Oxide: Irritating

2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol: Irritating

(Z)-Octadec-9-enylamine, ethoxylated (1-4.5 EO): Irritating

(Z)-octadec-9-enylamine, C16-18-(even numbered, saturated and unsaturated)-alkylamines: Adverse effects have been observed

Benzisothiazolinone: Irritating

(d) respiratory or skin sensitisation: 2,2'-(octadec-9-enylimino)bisethanol: It was not found to be a skin sensitizer when - OECD 406 This indicates that respiratory sensitization is unlikely (physical fitness, a liquid with low vapor pressure, requires minimal exposure by inhalation.

N,N-Dimethyltetradecylamine N-Oxide: Not available

2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol: No adverse effects have been observed

(Z)-Octadec-9-enylamine, ethoxylated (1-4.5 EO): Unavailable

(Z)-octadec-9-enylamine, C16-18-(even numbered, saturated and unsaturated)-alkylamines: No adverse effects have been observed

Benzisothiazolinone: Sensitizing

(e) germ cell mutagenicity: 2,2'-(octadec-9-enylimino)bisethanol: I don't mutageno

N,N-Dimethyltetradecylamine N-Oxide: Non-mutagenic

2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol: Unavailable

(Z)-Octadec-9-enylamine, ethoxylated (1-4.5 EO): Unavailable

(Z)-octadec-9-enylamine, C16-18-(even numbered, saturated and unsaturated)-alkylamines: Unavailable

Benzisothiazolinone: Non-mutagenic

(f) carcinogenicity: 2,2'-(octadec-9-enylimino)bisethanol: There are three in vitro tests negative for genotoxicity which show that it is unlikely to be a genotoxic carcinogen and the absence of any systemic organ toxicity that could increase

the possibility of any carcinogenic genotoxic substance due to the disruption of normal organ. There is no data to indicate a classification by carcinogenicity and a carcinogenesis test is not scientifically justified

N,N-Dimethyltetradecylamine N-Oxide: Non-carcinogenic

2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol: Unavailable

(Z)-Octadec-9-enylamine, ethoxylated (1-4.5 EO): Unavailable

(Z)-octadec-9-enylamine, C16-18-(even numbered, saturated and unsaturated)-alkylamines: Unavailable

Benzisothiazolinone: Not available

(g) eproductivetoxicity: 2,2'-(octadec-9-enylimino)bisethanol: Non-toxic for reproduction

N,N-Dimethyltetradecylamine N-Oxide: Non-toxic for reproduction

2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol: Fertility: no adverse effects were observed (oral, rat) NOAEL 125 mg / kg bw / day Development: no adverse effects were observed (oral, rat) NOAEL 150 mg / kg bw / day

(Z)-Octadec-9-enylamine, ethoxylated (1-4.5 EO): Unavailable

(Z)-octadec-9-enylamine, C16-18-(even numbered, saturated and unsaturated)-alkylamines: Unavailable

Benzisothiazolinone: Not available

(h) specific target organ toxicity (STOT) single exposure: 2,2'-(octadec-9-enylimino)bisethanol: Toxic effects can be attributed to the oral administration of a corrosive / irritant test substance which causes effects due to direct contact with the prestomacal tract and to a much lesser extent than the gastrointestinal tract (small intestine).

N,N-Dimethyltetradecylamine N-Oxide: Not available

2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol: Unavailable

(Z)-Octadec-9-enylamine, ethoxylated (1-4.5 EO): Unavailable

(Z)-octadec-9-enylamine, C16-18-(even numbered, saturated and unsaturated)-alkylamines: Unavailable

Benzisothiazolinone: Not available

(i) specific target organ toxicity (STOT) repeated exposure 2,2'-(octadec-9-enylimino)bisethanol: Toxic effects can be attributed to the oral administration of a corrosive / irritant test substance which causes effects due to direct contact with the prestomacal tract and to a much lesser extent than the gastrointestinal tract (small intestine). The effects were observed at levels between 30 and 150 mg / kg / day and therefore potentially classifiable as category 2 (10 -100 mg / kg) for specific target organ toxicity after repeated exposure, if based on a study of 90 days. However, there are no indications of specific systemic toxic effects such as serious organ damage even at 150 mg / kg. Therefore, since the only effects observed at 150 mg / kg are direct irritants, with local effects limited only in the prestomacal tract to 30 mg / kg, the substance does not meet the CLP (GHS) criteria for the classification of specific target organ toxicity.

N,N-Dimethyltetradecylamine N-Oxide: Not available

2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol: NOAEL (dog): 13 mg / kg bw / day NOEL (rat): 500 ppm [1]

(Z)-Octadec-9-enylamine, ethoxylated (1-4.5 EO): Unavailable

(Z)-octadec-9-enylamine, C16-18-(even numbered, saturated and unsaturated)-alkylamines: NOAEL (rat): 3.25 mg / kg bw / da

Benzisothiazolinone: Not available

(j) aspiration hazard: 2,2'-(octadec-9-enylimino)bisethanol: Unavailable

N,N-Dimethyltetradecylamine N-Oxide: Not available

2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol: Unavailable

(Z)-Octadec-9-enylamine, ethoxylated (1-4.5 EO): Unavailable

(Z)-octadec-9-enylamine, C16-18-(even numbered, saturated and unsaturated)-alkylamines: Unavailable

Benzisothiazolinone: Not available

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Related to contained substances:

2,2'-(octadec-9-enylimino)bisethanol:
LD50 (rat) Oral (mg/kg body weight) = 1000

N,N-Dimethyltetradecylamine N-Oxide:
LD50 (rat) Oral (mg/kg body weight) > 1495

2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol:
LD50 (rat) Oral (mg/kg body weight) = 1200

(Z)-Octadec-9-enylamine, ethoxylated (1-4.5 EO):
LD50 (rat) Oral (mg/kg body weight) > 300

(Z)-octadec-9-enylamine, C16-18-(even numbered, saturated and unsaturated)-alkylamines:
LD50 (rat) Oral (mg/kg body weight) > 300

Benzisothiazolinone:
LD50 (rat) Oral (mg/kg body weight) = 670

11.2. Information on other hazards

No data available.

SECTION 12. Ecological information

12.1. Toxicity

=====
Related to contained substances:
2,2'-(octadec-9-enylimino)bisethanol:
Acute toxicity - fish LC50 (mg / l / 96h): 0.1
Acute toxicity - crustaceans EC50 (mg / l / 48h): 0.043
Acute algae toxicity ErC50 (µg / l / 72-96h): 86.7
Chronic toxicity - fish NOEC (mg / l): not necessary
Chronic toxicity - NOEC crustaceans (µg / l): 10.7
Chronic toxicity NOEC algae (µg / l): 34.1
C(E)L50 (mg/l) = 0,1 Acute toxicity M-factor = 10
NOEC (mg/l) = 0,043

N,N-Dimethyltetradecylamine N-Oxide:
RAINBOW TROUT (*Oncorhynchus mykiss*) 96H LC50 0.1-1.0 mg / l

2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol:
Acute toxicity - fish LC50 (mg / l / 96h): 0.1
Acute toxicity - crustaceans EC50 (mg / l / 48h): 0.0043
Acute toxicity algae ErC50 (mg / l / 72-96h): 0.0087
Toxicity chronic - fish NOEC (mg / l): na
Chronic toxicity - shellfish NOEC (mg / l): 0.0011
Chronic toxicity algae NOEC (mg / l): 15
C(E)L50 (mg/l) = 0,1 Acute toxicity M-factor = 10

(Z)-Octadec-9-enylamine, ethoxylated (1-4.5 EO):
Acute toxicity - fish LC50 (mg / l / 96h): na
Acute toxicity - crustaceans EC50 (mg / l / 48h): na
Acute algae toxicity ErC50 (mg / l / 72-96h): na
Chronic toxicity - fish NOEC (mg / l): <0.01 (CESIUS)
Chronic toxicity - NOEC crustaceans (mg / l): <0.01 (CESIUM)
Chronic toxicity NOEC algae (mg / l): <0.01 (CESIUM)
NOEC (mg/l) = 0,01

(Z)-octadec-9-enylamine, C16-18-(even numbered, saturated and unsaturated)-alkylamines:
Acute toxicity - fish LC50 (mg / l / 96h):> 0.01
Acute toxicity - crustaceans EC50 (mg / l / 48h): 0.320 - 0.980
Acute toxicity algae ErC50 (mg / l / 72-96h): 0.080-0.460
Chronic toxicity - NOEC fish (mg / l): na
Chronic toxicity - NOEC crustaceans (mg / l) (21 days) 0.013
Chronic toxicity NOEC algae (mg / l): 0.030-0.150

C(E)L50 (mg/l) = 0,08 Acute toxicity M-factor = 10
NOEC (mg/l) = 0,013 Chronic toxicity M-factor = 10

Benzisothiazolinone:

Acute toxicity - fish LC50 (mg / l / 96h): 2.18 Oncorhynchus mykiss - Method: OECD Test Guideline 203
Acute toxicity - crustaceans EC50 (mg / l / 48h): 2.94 Daphnia magna - Method test, Directive 92/69 / EEC.
Acute toxicity ErC50 algae (mg / l / 72-96h): 0.15 Selenastrum capricornutum - Type of test: Growth inhibitor
Chronic toxicity - NOEC fish (mg / l 28 die): 0.3 Oncorhynchus mykiss - Type of test: Growth inhibitor
Chronic toxicity - crustaceans NOEC (mg / l / 21d): 1.7 Daphnia magna - Type of test: Reproduction test - Method: OECD TG 211
Chronic toxicity algae NOEC (mg / l): nd
Toxicity to organisms soil living EC50 (mg / kg / 14d):> 410.6 Fetid Eisenia Method: OECD TG 207
Toxicity for living organisms in the soil EC50 (mg / kg / 28d): 263.7 Method: OECD TG 216
Acute toxicity M-factor = 10

The product is dangerous for the environment as it is toxic to aquatic organisms following acute exposure.

Use according to good working practices and avoid to disperse the product into the environment.

12.2. Persistence and degradability

=====

Related to contained substances:

2,2'-(octadec-9-enylimino)bisethanol:

There are eight biodegradability test results valid for ethoxylated primary fats. The biodegradation rates 28 d (Closed Bottle test, Sturm test and Manometric Respiration) varied from 63 to 76. Furthermore, all the important aspects for obtaining a biodegradability test result are satisfied. Final (complete) biodegradation was demonstrated with a pure culture study and in a simulation test of a biological treatment, 2) high degradation rates were also demonstrated with a pure culture and 3) the occurrence of competent microorganisms in Non-adapted ecosystems were demonstrated by the ease with which competent bodies were isolated. All primary amino acids with alkyl chains ranging from 10 to 18 unsaturated / saturated should therefore be classified as easily biodegradable.

N,N-Dimethyltetradecylamine N-Oxide:

Biodegradable

2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol:

Quickly biodegradable OECD 301 / D - 28d> -60%

(Z)-Octadec-9-enylamine, ethoxylated (1-4.5 EO):

Rapidly degradable OECD 301 / D - 28d> -60%

(Z)-octadec-9-enylamine, C16-18-(even numbered, saturated and unsaturated)-alkylamines:

Quickly biodegradable Guideline 301D

Benzisothiazolinone:

Quickly biodegradable

12.3. Bioaccumulative potential

=====

Related to contained substances:

2,2'-(octadec-9-enylimino)bisethanol:

The rapid observed biotransformation of amines C12 to C18 alkydiethanol shows that these substances are very unlikely to accumulate in fish. This was confirmed by the calculated BCF values, which are all below the CLP threshold value of

500 l / kg. It was therefore concluded that C12-C18-alkyldietanolamines have a low bioaccumulation potential and that an in vivo evaluation of the bioaccumulation potential e.g. carrying out an OECD 305 bioaccumulation test should not lead to BCF values > 500 l / kg. The weight test of each of the points of fate (log Kow, metabolism, biodegradability, bioavailability, BCF model) is limited but, if considered together, it is justified to conclude that primary ethoxylated alkylamine (2EO) do not accumulate in the food chain and have low bioaccumulation potential

N,N-Dimethyltetradecylamine N-Oxide:
Not available

2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol:
BFC 500 Log Kow (Log Pow) 3.6 (25 ° C)

(Z)-Octadec-9-enylamine, ethoxylated (1-4.5 EO):
Unavailable

(Z)-octadec-9-enylamine, C16-18-(even numbered, saturated and unsaturated)-alkylamines:
BFC 173 Kd: 697 L / kg 2.6 - 51.9% organic carbon

Benzisothiazolinone:
Unlikely bioaccumulation

12.4. Mobility in soil

=====

Related to contained substances:
2,2'-(octadec-9-enylimino)bisethanol:
Log Kow (Log Pow): 3.4 LogKoc: 4.95

N,N-Dimethyltetradecylamine N-Oxide:
Easily absorbed by the soil

2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol:
Koc at 20 ° C: 90520

(Z)-Octadec-9-enylamine, ethoxylated (1-4.5 EO):
Unavailable

(Z)-octadec-9-enylamine, C16-18-(even numbered, saturated and unsaturated)-alkylamines:
Henry's law constant: 0.01 Pa.m³.mol⁻¹ (25 ° C)

Benzisothiazolinone:
Not available

12.5. Results of PBT and vPvB assessment

Based on the available data, no PBT or vPvB substances are present in accordance with Regulation (EC) 1907/2006, annex XIII

12.6. Endocrine disrupting properties

No data available.

12.7. Other adverse effects

No adverse effects

Regulation (EC) No 2006/907 - 2004/648

The (l) surfactant (s) content (s) in this preparation complies (comply) with (i) the biodegradability criteria as laid down in Regulation CE/648/2004 on detergents. All data are held at the disposal of the competent authorities of Member States and will be provided, at their direct request or at the request of a detergent manufacturer, to those authorities.

SECTION 13. Disposal considerations

13.1. Waste treatment methods

Do not reuse empty containers. Dispose of them in accordance with the regulations in force. Any remaining product should be disposed of according to applicable regulations by addressing to authorized companies.

Recover if possible. Send to authorized discharge plants or for incineration under controlled conditions. Operate according to local and National rules in force

SECTION 14. Transport information

14.1. UN number or ID number

ADR/RID/IMDG/ICAO-IATA: 3082



If subject to the following characteristics is ADR exempt:

Combination packagings: per inner packaging 5 L per package 30 Kg

Inner packaging placed in shrink-wrapped or stretch-wrapped trays: per inner packaging 5 L per package 20 Kg

14.2. UN proper shipping name

ADR/RID/IMDG: MATERIA PERICOLOSA PER L'AMBIENTE, LIQUIDA, N.A.S. (Aicidi grassi in miscela)

ADR/RID/IMDG: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Mixture of fatty amines)

ICAO-IATA: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Mixture of fatty amines)

14.3. Transport hazard class(es)

ADR/RID/IMDG/ICAO-IATA: Class : 9

ADR/RID/IMDG/ICAO-IATA: Label : 9 + ENVIRONMENTALLY HAZARDOUS

ADR: Tunnel restriction code : --

ADR/RID/IMDG/ICAO-IATA: Limited quantities : 5 L

IMDG - EmS : F-A, S-F

14.4. Packing group

ADR/RID/IMDG/ICAO-IATA: III

14.5. Environmental hazards

ADR/RID/ICAO-IATA: Product is environmentally hazardous

IMDG: Marine polluting agent : Yes

14.6. Special precautions for user

The transport must be carried out by authorized vehicles for the transport of dangerous goods in accordance with the requirements of the applicable Edition of the agreement A.D.R. and national provisions. The transport must be carried out in the original packaging and in packages that are made from materials resistant to content and not likely to generate with this dangerous reactions. The process of loading and unloading of dangerous goods have received

adequate training on the risks presented by prepared and on possible procedures to be taken in the event of emergency situations

14.7. Maritime transport in bulk according to IMO instruments

Transport in bulk is not foreseen

SECTION 15. Regulatory information

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

Restrictions relating to the product or contained substances (All. XVII Reg. EC 1907/2006): not applicable
Substances in Candidate List (art. 59 Reg. EC 1907/2006): the product does not contain SVHC in a proportion $\geq 0.1\%$.
Substances subject to authorisation (Ann. XIV Reg. CEC 1907/2006): the product does not contain SVHC in a proportion $\geq 0.1\%$.

Reg. EC 648/04: see 2.2

Reg. (EU) n. 1169/2011: see 2.2

Reg (UE) 528/2012: see to 2.2

Regulation (EU) 1332/2008; see p.2.2

Seveso category:

E2 - ENVIRONMENTAL HAZARDS

REGULATION (EU) No 1357/2014 - waste:

HP4 - Irritant — skin irritation and eye damage

HP14 - Ecotoxic

15.2. Chemical safety assessment

No chemical safety assessment was carried out by the supplier

SECTION 16. Other information

16.1. Other information

Points modified compared to previous release: 4.1. Description of first aid measures, 5.3. Advice for firefighters, 7.1. Precautions for safe handling, 8.1. Control parameters, 8.2. Exposure controls, 10.1. Reactivity, 10.4. Conditions to avoid, 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008, 12.1. Toxicity, 12.2. Persistence and degradability, 12.3. Bioaccumulative potential, 12.4. Mobility in soil, 12.5. Results of PBT and vPvB assessment, 12.6. Endocrine disrupting properties, 14.3. Transport hazard class(es), 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Description of hazard statements set out in paragraph 3

H302 = Harmful if swallowed.

H314 = Causes severe skin burns and eye damage.

H318 = Causes serious eye damage.

H400 = Very toxic to aquatic life.

H410 = Very toxic to aquatic life with long lasting effects.

H315 = Causes skin irritation.

H411 = Toxic to aquatic life with long lasting effects.
H304 = May be fatal if swallowed and enters airways.
H335 = May cause respiratory irritation.
H373 = May cause damage to organs through prolonged or repeated exposure .
H317 = May cause an allergic skin reaction.

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

H315 - Causes skin irritation. Classification procedure: Calculation method
H319 - Causes serious eye irritation. Classification procedure: Calculation method
H411 - Toxic to aquatic life with long lasting effects. Classification procedure: Calculation method

Main normative references:

Reg. (CE) n. 1907 del 18/12/06 REACH (Registration, Evaluation and Authorisation of CHemicals) et seq.
Reg. (CE) 1272/2008 CLP (Classification Labelling and Packaging) et seq.
Regulation (EC) n. 648 of 31/03/04 (on detergents) et seq.
Regulation (UE) n. 1169/2011 (on the provision of food information to consumers)
Directive 2012/18/EU (on the control of major-accident hazards involving dangerous substances) et seq.
Regulation (UE) 528/2012 (Biocides) et seq.
Regulation (EU) 1332/2008 (Food enzymes)

Training required: This document must be submitted to the employer to determine the possible need for appropriate training for workers to ensure protection of human health and the environment.

n.a.: not applicable

n.d.: not available

ADR: Accord européen relative au transport International des marchandises dangereuses par route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

ATE: Acute Toxicity Estimat

BFC: BioconCentration Factor

BOD: Biochemical Oxygen Demand

CAS: Chemical Abstract Service number

CAP: Centre AntiPoison

CE/EC number EINECS (European Inventory of existing Commercial Substances) e ELINCS (European List of notified Chemical Substances)

CL50/LC50: Lethal Concentration 50

DL50/LD50: Lethal Dose 50

COD: Chemical Oxygen Demand

DNEL: Derived No Effect Level

EC50: half maximal Effective Concentration

ERC: Enviroment Release Classes

EU/UE: European Union

IATA: International Air Transport Association

ICAO: International Civil Aviation Organization

IMDG: International Maritime Dangerous Goods code

Kow: Octanol water partition coefficient

NOEC: No Observed Effect Concentration

OEL: Occupational Exposure Limit

PBT: Persistent Bioaccumulative and Toxic

PC: Product Categories

PNEC: Predicted No Effect Concentration

PROC: Process Categories

RID: Règlement concernant le transport International ferroviaire des marchandises dangereuses (Regulations concerning International rail transport of dangerous goods)

STOT: Target Organ Systemic Toxicity

STOT (RE): Repeated Exposure

STOT (SE): Single Exposure
STP: Sewage Treatment Plants
SU: Sector of Use
SVCH: Substance of Very High Concern
TLV: Threshold Limit Value
vPvB: Very Persistent Very Bioaccumulative

References and Sources:

- ECHA Registered Substances:
- <https://echa.europa.eu/web/guest/information-on-chemicals/registered-substances>
- SDS supplier
- GESTIS DNEL Database: <http://www.dguv.de/ifa/gestis/gestis-dnel-datenbank/index-2.jsp>
- GESTIS International Limit Value: <http://limitvalue.ifa.dguv.de>

This msds was made in good faith by technical Office on the basis of the information available at the date of the last revision. The person in charge must regularly inform the employees about the specific risks they encounter when using this substance/product. The information contained here relate only to the substance/the preparation indicated and may not apply if the product is used improperly or in combination with others. Nothing contained herein shall be construed as a guarantee, either express or implied. It is the responsibility of the user to ensure the opportunities and completeness of the information contained herein for their own particular use.

*** this tab annuls and replaces any previous edition. (IIXX)

Changes to the previous edition: updating to reg.878/2020

SUMI**Safe Use of Mixtures Information****AISE_SUMI_IS_8b_1***Version 1.1, August 2018****Transfer and dilution of concentrated product by using dedicated dosing system***

This document is intended to communicate the conditions of safe use for the product and should always be read in combination with the product's Safety Data Sheet and labels.

General description of the process covered

This SUMI applies to industrial uses where products are transferred to or diluted in a dedicated dosing system. This Safe Use Information is based on the **AISE_SWED_IS_8b_1_L** and **AISE_SWED_IS_8b_1_S**

Operational Conditions

Maximum duration	60 minutes per day.
Range of application / Process conditions	Indoor Use.
	Process carried out at room temperature.
	In case of dilution, tap water at a maximum temperature of 45°C is used.
Air exchange rate	Provide a basic standard of general ventilation (1 to 3 air changes per hour). No LEV required.

Risk Management Measures

Measures related to personal protective equipment (PPE), hygiene and health evaluation	Wear suitable gloves. See section 8 of the SDS of this product for specifications.
	 Training of workers in relation to proper use and maintenance of PPEs must be ensured.
Environmental measures	Prevent that undiluted product reaches surface waters.
	If appropriate AISE SPERC 8a.1.a.v2 may apply: wide dispersive use resulting in release to municipal sewage treatment plant.

Additional good practice advice

<p>Don't eat or drink. Don't smoke. Don't use in proximity of open flame.</p>	
<p>Wash hands after use. Avoid contact with damaged skin. Do not mix with other products.</p>	
<p>Spillage instructions</p>	<p>Dilute with fresh water and mop up.</p>
<p>Hygiene practices</p>	<p>Follow the product instructions as specified on the label or in the product information sheet and use good occupational hygiene practices as specified in Section 7 of the product SDS.</p>

Additional information depending on product composition

The label and (when required) the Safety Data Sheet contain additional, product specific information crucial for working safely with mixtures. Please refer to the product label and SDS for information including, but not limited to: product hazard classification, potentially allergenic fragrances, notable ingredients and threshold limit values (when available).

Disclaimer

This is a document for communicating generic conditions of safe use of a product. It is the responsibility of the formulator to link this SUMI to the SDS of a specific product that he is selling.

If a SUMI (or associated SWED) code is mentioned in the SDS of a product, the formulator of that product declares that all substances in the mixture are present in such concentration, that the use of the product within the conditions of the SUMI is safe. When available, this safe use is ensured by evaluating the results of the chemical safety assessments as performed by the raw material suppliers. When no chemical safety assessment has been carried out by the supplier for an ingredient that contributes to the classification of the mixture, the formulator has performed a safety assessment himself.

Following Occupational Health legislation, the employer of workers that use products that are assessed as safe following SUMI conditions remains responsible for communicating relevant use information to employees. When developing workplace instructions for employees, SUMI Sheets should always be considered in combination with the SDS and the label of the product.

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SUMI**Safe Use of Mixtures Information****AISE_SUMI_IS_7_5***Version 1.1, August 2018****Industrial spraying; Automated task; Open system; Long term***

This document is intended to communicate the conditions of safe use for the product and should always be read in combination with the product's Safety Data Sheet and labels.

General description of the process covered

The SUMI applies to industrial spraying products. This Safe Use Information is based on the AISE_SWED_IS_7_5.

Operational Conditions

Maximum duration	480 minutes per day.
Range of application / Process conditions	Indoor Use. Process carried out at room temperature. In case of dilution, tap water at a maximum temperature of 45°C is used.
Air exchange rate	Provide a basic standard of general ventilation (1 to 3 air changes per hour). No LEV required.

Risk Management Measures

Measures related to personal protective equipment (PPE), hygiene and health evaluation	See section 8 of the SDS of this product for specifications. Training of workers in relation to proper use and maintenance of PPEs must be ensured.
Environmental measures	Prevent that undiluted product reaches surface waters. If appropriate AISE SPERC 8a.1.a.v2 may apply: wide dispersive use resulting in release to municipal sewage treatment plant.

Additional good practice advice

<p>Don't eat or drink. Don't smoke. Don't use in proximity of open flame.</p>	
<p>Wash hands after use. Avoid contact with damaged skin. Do not mix with other products.</p>	
<p>Spillage instructions</p>	<p>Dilute with fresh water and mop up.</p>
<p>Hygiene practices</p>	<p>Follow the product instructions as specified on the label or in the product information sheet and use good occupational hygiene practices as specified in Section 7 of the product SDS.</p>

Additional information depending on product composition

The label and (when required) the Safety Data Sheet contain additional, product specific information crucial for working safely with mixtures. Please refer to the product label and SDS for information including, but not limited to: product hazard classification, potentially allergenic fragrances, notable ingredients and threshold limit values (when available).

Disclaimer

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WORKING ISTRUCTION TABLE



This tab provides instructions for appropriate and safe use of products and proper management of emergency situations for cleaning staff/users.

Attached to MSDS rel#8 12/14/2022

Use description	Industrial spraying[PROC7], Transfer of substance or preparation (charging / discharging) from/to containers at dedicated facilities[PROC8B]
Product name	LUBISAN Super Vet
Classification of the product (100%)	H315- Causes skin irritation. H319 - Causes serious eye irritation. H411: Toxic to aquatic life with long lasting effects. EUH208: Contains preservatives: Benzisothiazolinone. May produce an allergic reaction.
Classification of the diluted product (maximum use concentration)	At maximux concentration of use (0,8%) the product is classified: Not dangerous
Handling of the product (100%)	Avoid contact and inhalation of vapors Wear protective gloves/protective clothing/eye protection/face protection. At work do not eat or drink.
Handling of the diluted product	Avoid contact and inhalation of vapors At work do not eat or drink.
DPI required concentrated product (racking, concentrated use, spillage...)	Chemical resistant protective gloves (EN 374-1/EN374-2/EN374-3), safety glasses (EN 166).
Diluted product	-
In case of emergency (accidents involving exposure to the product)	Immediately inform the customer. Immediately inform the employer. Contact Poisons Centres tel. number in 1.4 section of the MSDS
Accidental release large quantities measures: concentrated product	Wear gloves, mask and protective clothing (for specifications refer to section 8.2. SDS) Possibly absorb it with inert materia or sucked it. After wiping up, wash with water the area and materials involved

Diluted product	Wear gloves, mask and protective clothing. Wash with water the area and materials involved
Storage of the product	Keep in original container closed tightly. Do not store in open or unlabelled containers. Keep containers upright and safe by avoiding the possibility of falls or collisions. Store in a cool and dry place, away from heat sources and direct exposure to sunlight.
In case of accidents, emergency or fire	Immediately inform the customer. Follow company emergency instruction.