SAFETY DATA SHEET

novatio

Based upon Regulation (EC) No 1907/2006, as amended by Regulation (EU) No 2020/878

OXI REMOVER AEROSOL

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

1.1. Product identifier

| Product name | : OXI REMOVER AEROSOL |
|---------------------------|----------------------------|
| Registration number REACH | : Not applicable (mixture) |
| Product type REACH | : Mixture |

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

1.2.1 Relevant identified uses Oxidation remover

1.2.2 Uses advised against

No uses advised against known

1.3. Details of the supplier of the safety data sheet

Supplier of the safety data sheet

Novatio* Industrielaan 5B B-2250 Olen **2** +32 14 25 76 40 info@novatio.be *NOVATIO is a registered trademark of Novatech International N.V.

Manufacturer of the product

Novatech International N.V. Industrielaan 5B B-2250 Olen +32 14 85 97 37 **▲** +32 14 85 97 38 info@novatech.be

1.4. Emergency telephone number

24h/24h (Telephone advice: English, French, German, Dutch) : +32 14 58 45 45 (BIG)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

| Classified as dangerous according to the criteria of Regulation (EC) No 1272/2008 | | | | | | |
|---|---|---|--|--|--|--|
| Class Category Hazard statements | | | | | | |
| Aerosol | category 3 | 3 H229: Pressurised container: May burst if heated. | | | | |
| Skin Sens. | ns. category 1 H317: May cause an allergic skin reaction. | | | | | |
| Acute Tox. category 4 H302: Harmful if swallowed. | | | | | | |

2.2. Label elements

| Contains: sodium merc | aptoacetate. | | |
|---|--|---|--------------|
| Signal word | Warning | | |
| H-statements | | | |
| H229 | Pressurised container: May burst if heated. | | |
| H317 | May cause an allergic skin reaction. | | |
| H302 | Harmful if swallowed. | | |
| P-statements | | | |
| P210 | Keep away from heat, hot surfaces, sparks, op | en flames and other ignition sources. No smoking. | |
| P251 | Do not pierce or burn, even after use. | | |
| P280 | Wear protective gloves, protective clothing an | d eye protection/face protection. | |
| P302 + P352 | IF ON SKIN: Wash with plenty of water and so | ap. | |
| P330 | Rinse mouth. | | |
| P410 + P412 | Protect from sunlight. Do not expose to temp | eratures exceeding 50 °C/ 122°F. | |
| Created by: Brandweerinformatie | entrum voor gevaarlijke stoffen vzw (BIG) | Publication date: 2006-09-28 | -en |
| Technische Schoolstraat 43 A, B-24 http://www.big.be | 140 Geel | Date of revision: 2022-08-30 | 16239-035-en |
| © BIG vzw | | | .162 |

878-

2.3. Other hazards

No other hazards known

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| | CAS No EC No | Conc. (C) | Classification according to CLP | Note | Remark | M-factors and ATE |
|--|------------------------|-----------|---|--------|-------------|----------------------|
| sodium mercaptoacetate 01-2119968564-24 | 367-51-1 206-696-4 | | Met. Corr. 1; H290 Acute Tox. 3; H301 Skin Sens. 1; H317 Acute Tox. 4; H312 Aquatic Chronic 3; H412 | (1)(2) | Constituent | |
| nitrogen | 7727-37-9 231-783-9 | C≤30% | Press. Gas - Compressed gas; H280 | (1)(I) | Propellant | |

(1) For H- and EUH-statements in full: see section 16

(2) Substance with a Community workplace exposure limit

(I) Exempted from registration under REACH according to Annex IV (Regulation (EC) No 1907/2006)

SECTION 4: First aid measures

4.1. Description of first aid measures

General:

Observe (own) safety. If possible, approach victim and check vital functions. In case of injury and/or intoxication, call the European emergency number 112. Treat symptoms starting with most life-threatening injuries and disorders. Keep victim under observation, possibility of delayed symptoms.

After inhalation:

Remove victim into fresh air. In case of respiratory problems, consult a doctor/medical service.

After skin contact:

If possible, wipe up/dry remove chemical. Then rinse/shower immediately with (lukewarm) water. If irritation persists, consult a doctor/medical service.

After eye contact:

Rinse immediately with (lukewarm) water. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists, consult a doctor/medical service.

After ingestion:

Rinse mouth with water. Immediately consult a doctor/medical service. Do not wait for symptoms to occur to consult Poison Center.

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

4.2.1 Acute symptoms

After inhalation:
No effects known.

After skin contact:

No effects known.

After eye contact:

No effects known.

After ingestion:

No effects known.

4.2.2 Delayed symptoms

No effects known.

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

If applicable and available it will be listed below.

SECTION 5: Firefighting measures

5.1. Extinguishing media

5.1.1 Suitable extinguishing media:

Small fire: Water, Quick-acting ABC powder extinguisher, Quick-acting BC powder extinguisher, Quick-acting CO2 extinguisher. Major fire: Quantities of water.

5.2. Special hazards arising from the substance or mixture

On burning: release of toxic and corrosive gases/vapours (sulphur oxides, carbon monoxide - carbon dioxide). Pressurised container: May burst if heated.

5.3. Advice for firefighters

Reason for revision: 3;9;12

Publication date: 2006-09-28 Date of revision: 2022-08-30

BIG number: 44255

5.3.1 Instructions:

If exposed to fire cool the closed containers by spraying with water. Physical explosion risk: extinguish/cool from behind cover. Do not move the load if exposed to heat. After cooling: persistant risk of physical explosion. Dilute toxic gases with water spray. Take account of toxic/corrosive precipitation water.

5.3.2 Special protective equipment for fire-fighters:

Gloves (EN 374). Protective clothing (EN 14605 or EN 13034). Protective goggles (EN 166). Heat/fire exposure: self-contained breathing apparatus (EN 136 + EN 137).

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

No naked flames.

6.1.1 Protective equipment for non-emergency personnel

See section 8.2

6.1.2 Protective equipment for emergency responders

Gloves (EN 374). Protective clothing (EN 14605 or EN 13034). Protective goggles (EN 166).

Suitable protective clothing

See section 8.2

6.2. Environmental precautions

Contain released product.

6.3. Methods and material for containment and cleaning up

Take up liquid spill into inert absorbent material. Scoop absorbed substance into closing containers. Clean contaminated surfaces with an excess of water. Wash clothing and equipment after handling.

6.4. Reference to other sections

See section 13.

SECTION 7: Handling and storage

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

7.1. Precautions for safe handling

Keep away from naked flames/heat. Observe very strict hygiene - avoid contact. Remove contaminated clothing immediately. Keep container tightly closed.

7.2. Conditions for safe storage, including any incompatibilities

7.2.1 Safe storage requirements:

Storage temperature: < 50 °C. Meet the legal requirements. Keep container in a well-ventilated place. Fireproof storeroom. Protect against frost. Keep out of direct sunlight.

7.2.2 Keep away from:

Heat sources.

7.2.3 Suitable packaging material:

Aerosol.

7.2.4 Non suitable packaging material:

No data available

7.3. Specific end use(s)

If applicable and available, exposure scenarios are attached in annex. See information supplied by the manufacturer.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 Occupational exposure

a) Occupational exposure limit values

If limit values are applicable and available these will be listed below.

| Germany | Germany | | | | |
|---|--|---------|--|--|--|
| Thioglykolate | Time-weighted average exposure limit 8 h (TRGS 900) | 2 mg/m³ | | | |
| USA (TLV-ACGIH) | USA (TLV-ACGIH) | | | | |
| Thioglycolic acid and salts | Thioglycolic acid and salts Time-weighted average exposure limit 8 h (TLV - Adopted Value) | | | | |
| Thioglycolic acid and salts Time-weighted average exposure limit 8 h (TLV - Adopted Value) 1 p b) National biological limit values If limit values are applicable and available these will be listed below. 8.1.2 Sampling methods If applicable and available it will be listed below. 8.1.3 Applicable limit values when using the substance or mixture as intended If limit values are applicable and available these will be listed below. 8.1.3 Applicable limit values and available these will be listed below. 8.1.4 Threshold values DNEL/DMEL - Workers | | | | | |
| Reason for revision: 3;9;12 | Publication date: 2006-09-28 | | | | |
| | Date of revision: 2022-08-30 | | | | |
| Revision number: 0700 | BIG number: 44255 | 3/11 | | | |

| sodium mercaptoacetate | | | | | | | |
|--------------------------|---------------------------------------|--------------------|--|--|--|--|--|
| Effect level (DNEL/DMEL) | Remark | | | | | | |
| DNEL | Long-term systemic effects inhalation | 0.987 mg/m³ | | | | | |
| | Long-term systemic effects dermal | 0.163 mg/kg bw/day | | | | | |
| | Long-term local effects dermal | 0.004 mg/cm² | | | | | |

DNEL/DMEL - General population sodium mercaptoacetate

| Effect level (DNEL/DMEL) | Туре | Value | Remark |
|--------------------------|---------------------------------------|-------------------|--------|
| DNEL | Long-term systemic effects inhalation | 0.174 mg/m³ | |
| | Long-term systemic effects dermal | 19.3 μg/kg bw/day | |
| | Long-term systemic effects oral | 0.1 mg/kg bw/day | |

PNEC

sodium mercaptoacetate

| Compartments | Value | Remark |
|-------------------------------------|-------------------------|--------|
| Fresh water | 0.011 mg/l | |
| Marine water | 0.001 mg/l | |
| Fresh water (intermittent releases) | 0.051 mg/l | |
| STP | 10 mg/l | |
| Fresh water sediment | 0.039 mg/kg sediment dw | |
| Marine water sediment | 0.004 mg/kg sediment dw | |
| Soil | 0.002 mg/kg soil dw | |

8.1.5 Control banding

If applicable and available it will be listed below.

8.2. Exposure controls

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

8.2.1 Appropriate engineering controls

Keep away from naked flames/heat.

8.2.2 Individual protection measures, such as personal protective equipment

Observe very strict hygiene - avoid contact. Do not eat, drink or smoke during work.

a) Respiratory protection:

Insufficient ventilation: wear respiratory protection.

| b | <u>) Hand protection:</u> Protective gloves agair | nst chemicals (EN 374). | | | |
|---|--|-------------------------------|-----------|------------------|--------|
| | Materials | Measured breakthrough time | Thickness | Protection index | Remark |
| | nitrile rubber | > 480 minutes | 0.35 mm | Class 6 | |

c) Eye protection:

Protective goggles (EN 166).

d) Skin protection:

Protective clothing (EN 14605 or EN 13034).

8.2.3 Environmental exposure controls:

See sections 6.2, 6.3 and 13

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| Physical form | Aerosol |
|---------------------------|-------------------------------------|
| Odour | Characteristic odour |
| Odour threshold | No data available in the literature |
| Colour | No data available on colour |
| Particle size | Not applicable (aerosol) |
| Explosion limits | No data available in the literature |
| Flammability | Not classified as flammable |
| Log Kow | Not applicable (mixture) |
| Dynamic viscosity | 1 mPa.s ; 20 °C ; Liquid |
| Kinematic viscosity | 1 mm²/s ; 40 °C ; Liquid |
| Melting point | 0 °C ; Liquid |
| Boiling point | 94 °C - 100 °C ; Liquid |
| Relative vapour density | No data available in the literature |
| Vapour pressure | 23 hPa ; 20 °C ; Liquid |
| Solubility | Water ; insoluble |
| Relative density | 1.10 ; 20 °C ; Liquid |
| Absolute density | 1100 kg/m³ ; 20 °C ; Liquid |
| Decomposition temperature | No data available in the literature |
| Auto-ignition temperature | No data available in the literature |
| Flash point | Not applicable (aerosol) |
| рН | 9.5 |

Reason for revision: 3;9;12

9.2. Other information

Evaporation rate

0.3 ; Butyl acetate ; Liquid

SECTION 10: Stability and reactivity

10.1. Reactivity

Basic reaction.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

Precautionary measures

Keep away from naked flames/heat.

10.5. Incompatible materials

No data available.

10.6. Hazardous decomposition products

On burning: release of toxic and corrosive gases/vapours (sulphur oxides, carbon monoxide - carbon dioxide).

SECTION 11: Toxicological information

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

11.1.1 Test results

Acute toxicity

OXI REMOVER AEROSOL

No (test)data on the mixture available

Classification is based on the relevant ingredients

sodium mercaptoacetate

| Route | of exposure | Parameter | Method | Value | Exposure time | Species | Value | Remark |
|-------|-------------|-----------|--------|----------------------------------|---------------|------------------------|--------------------|--------|
| | | | | | | | determination | |
| Oral | | LD50 | | 50 mg/kg bw - 200 mg/kg bw | | Rat (male / female) | Experimental value | |
| Derm | al | LD50 | | 1000 mg/kg bw - 2000 mg/kg bw | 24 h | Rat (female) | Experimental value | |

Conclusion

Harmful if swallowed.

Not classified as acute toxic in contact with skin Not classified as acute toxic if inhaled

Corrosion/irritation

OXI REMOVER AEROSOL

No (test)data on the mixture available

Judgement is based on the relevant ingredients

sodium mercaptoacetate

| Route of exposure | Result | Method | Exposure time | Time point | | | Remark |
|-------------------|---------------------|----------|---------------|------------------|--------|-----------------------|-------------------------------------|
| | | | | | | determination | |
| Eye | Slightly irritating | OECD 405 | | 24; 48; 72 hours | | | Single treatment without rinsing |
| Skin | Slightly irritating | OECD 404 | 4 h | 24; 48; 72 hours | Rabbit | Experimental value | |

Conclusion

Not classified as irritating to the skin

Not classified as irritating to the eyes

Not classified as irritating to the respiratory system

Respiratory or skin sensitisation

OXI REMOVER AEROSOL

No (test)data on the mixture available

Classification is based on the relevant ingredients

sodium mercaptoacetate

| Route of exposure | Result | Method | • • • • • • | Observation time point | Species | Value determination | Remark |
|-------------------|-------------|----------|-------------|---------------------------|----------------|---------------------|--------|
| Skin | Sensitizing | OECD 429 | | | Mouse (female) | Experimental value | |

Conclusion

Reason for revision: 3;9;12

May cause an allergic skin reaction. Not classified as sensitizing for inhalation

Specific target organ toxicity

OXI REMOVER AEROSOL

No (test)data on the mixture available

Judgement is based on the relevant ingredients sodium mercaptoacetate

| Route of exposure | Parameter | Method | Value | Organ | Effect | Exposure time | Species | Value determination |
|------------------------|------------------------------|---------------------------|-----------------------|--------------|-----------------------------------|-----------------------------|------------------------|------------------------|
| Oral (stomach tube) | LOAEL | OECD 408 | 60 mg/kg bw/day | Blood; liver | Haematologic al changes | 13 weeks (daily) | Rat (male / female) | Experimental value |
| Oral (stomach tube) | NOAEL | OECD 408 | 20 mg/kg bw/day | Blood; liver | No effect | 13 weeks (daily) | Rat (male / female) | Experimental value |
| Dermal | NOAEL systemic effects | Equivalent to OECD 411 | ≥ 180 mg/kg bw/day | | No adverse systemic effects | 13 weeks (5 days / week) | Rat (male / female) | Experimental value |
| Dermal | LOAEL local effects | Equivalent to OECD 411 | 11.25 mg/kg bw/day | Skin | Irritation | 13 weeks (5 days / week) | Rat (male / female) | Experimental value |

Conclusion

Not classified for subchronic toxicity

Mutagenicity (in vitro)

OXI REMOVER AEROSOL

No (test)data on the mixture available

Judgement is based on the relevant ingredients

sodium mercaptoacetate

| Result | Method | Test substrate | Effect | Value determination | Remark |
|-------------------------|------------------------|--------------------------|-----------|---------------------|--------|
| Negative with metabolic | Equivalent to OECD 471 | Bacteria (S.typhimurium) | No effect | Experimental value | |
| activation, negative | | | | | |
| without metabolic | | | | | |
| activation | | | | | |

Mutagenicity (in vivo)

OXI REMOVER AEROSOL

No (test)data on the mixture available

Judgement is based on the relevant ingredients sodium mercantoacetate

| 300 | and meneaptoacetate | - | - | | | |
|-----|--------------------------------|----------|---------------|-----------------------|-------------|---------------------|
| | Result | Method | Exposure time | Test substrate | Organ | Value determination |
| | Negative (Oral (stomach tube)) | OECD 474 | | Mouse (male / female) | Bone marrow | Experimental value |
| - | | | | | | |

Conclusion

Not classified for mutagenic or genotoxic toxicity

Carcinogenicity

OXI REMOVER AEROSOL

No (test)data on the mixture available

Judgement is based on the relevant ingredients

sodium mercaptoacetate

| Route of exposure | Parameter | Method | Value | Exposure time | Species | Effect | Organ | Value determination |
|----------------------|-----------|--------------------------------|-----------|---------------|---------|---------------------------|-------|---------------------|
| Dermal | | Carcinogenic toxicity study | 1 % - 2 % | | | No carcinogenic effect | | Experimental value |

Conclusion

Not classified for carcinogenicity

Reproductive toxicity

OXI REMOVER AEROSOL

No (test)data on the mixture available

Judgement is based on the relevant ingredients

Reason for revision: 3;9;12

| | Parameter | Method | Value | Exposure time | Species | Effect | Organ | Value |
|---|-----------|----------|----------------------|------------------|------------------------|-----------|-------|--------------------|
| | | | | | | | | determination |
| Developmental toxicity (Dermal) | NOAEL | OECD 414 | 100 mg/kg bw/day | 14 day(s) | Rat | No effect | | Experimental value |
| Aaternal toxicity (Oral stomach tube)) | NOAEL | OECD 414 | < 50 mg/kg bw/day | 14 day(s) | Rat | No effect | | Experimental value |
| ffects on fertility (Oral stomach tube)) | LOAEL (P) | OECD 421 | 40 mg/kg bw/day | 16 weeks (daily) | Rat (male / female) | Mortality | | Experimental value |

Conclusion

Not classified for reprotoxic or developmental toxicity

Toxicity other effects

OXI REMOVER AEROSOL

No (test)data on the mixture available

Chronic effects from short and long-term exposure

OXI REMOVER AEROSOL

Skin rash/inflammation.

11.2. Information on other hazards

No evidence of endocrine disrupting properties

SECTION 12: Ecological information

12.1. Toxicity

OXI REMOVER AEROSOL

No (test)data on the mixture available

Judgement of the mixture is based on the relevant ingredients

sodium mercaptoacetate

| | Parameter | Method | Value | Duration | Species | Test design | Fresh/salt water | Value determination |
|---|-----------|----------|------------|-----------|-------------------------------------|----------------------------|---------------------|---|
| Acute toxicity fishes | LC50 | OECD 203 | > 100 mg/l | 96 h | Oncorhynchus mykiss | Flow- through system | Fresh water | Read-across; GLP |
| Acute toxicity crustacea | EC50 | | 47.31 mg/l | 48 h | Daphnia magna | | | Experimental value; Locomotor effect |
| Toxicity algae and other aquatic plants | ErC50 | OECD 201 | 5.07 mg/l | 72 h | Pseudokirchneri ella subcapitata | | | Read-across; GLP |
| | NOEC | OECD 201 | 0.54 mg/l | 72 h | Pseudokirchneri ella subcapitata | | | Read-across; GLP |
| Long-term toxicity aquatic crustacea | NOEC | OECD 211 | 3.9 mg/l | 21 day(s) | Daphnia magna | | | Read-across; GLP |

Conclusion

Not classified as dangerous for the environment according to the criteria of Regulation (EC) No 1272/2008

12.2. Persistence and degradability

sodium mercaptoacetate **Biodegradation water**

| [| Method | Value | Duration | Value determination |
|---|-----------|----------------------------|-----------|---------------------|
| | OECD 301F | 84.5 %; Oxygen consumption | 28 day(s) | Experimental value |

Conclusion

Water

Contains readily biodegradable component(s)

12.3. Bioaccumulative potential

OXI REMOVER AEROSOL

| Method | Remark | Value | Temperature | Value determination |
|------------------------|---------------------------|-------|-------------------|---------------------|
| | Not applicable (mixture |) | | |
| sodium mercaptoace | etate | | | |
| Log Kow | | | | |
| Method | Remark | Value | Temperature | Value determination |
| OECD 107 | | -2.99 | 22 °C | Experimental value |
| Conclusion | | | | |
| Does not contain bio | accumulative component(s) | | | |
| on for revision: 3;9;1 | 2 | | Publication date: | 2006-09-28 |
| | | | Date of revision: | 2022-08-30 |
| | | | | |

12.4. Mobility in soil

sodium mercaptoacetate

(log) Koc

| Parameter | Method | Value | Value determination |
|-----------|-------------------|-------|---------------------|
| log Koc | SRC PCKOCWIN v2.0 | 0.16 | QSAR |

Conclusion

Contains component(s) with potential for mobility in the soil

12.5. Results of PBT and vPvB assessment

Does not contain component(s) that meet(s) the criteria of PBT and/or vPvB as listed in Annex XIII of Regulation (EC) No 1907/2006.

12.6. Endocrine disrupting properties

No evidence of endocrine disrupting properties

12.7. Other adverse effects

OXI REMOVER AEROSOL

Greenhouse gases

None of the known components is included in the list of fluorinated greenhouse gases (Regulation (EU) No 517/2014)

Ozone-depleting potential (ODP)

Not classified as dangerous for the ozone layer (Regulation (EC) No 1005/2009)

Water ecotoxicity pH

pH shift

sodium mercaptoacetate

Groundwater

Groundwater pollutant

SECTION 13: Disposal considerations

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

13.1. Waste treatment methods

13.1.1 Provisions relating to waste

European Union

Hazardous waste according to Directive 2008/98/EC, as amended by Regulation (EU) No 1357/2014 and Regulation (EU) No 2017/997. The waste code must be assigned by the user, preferably in consultation with the (environmental) authorities concerned.

13.1.2 Disposal methods

Specific treatment. Remove waste in accordance with local and/or national regulations. Hazardous waste shall not be mixed together with other waste. Different types of hazardous waste shall not be mixed together if this may entail a risk of pollution or create problems for the further management of the waste. Hazardous waste shall be managed responsibly. All entities that store, transport or handle hazardous waste shall take the necessary measures to prevent risks of pollution or damage to people or animals. Do not discharge into drains or the environment. Dispose of at authorized waste collection point.

13.1.3 Packaging/Container

European Union

Waste material code packaging (Directive 2008/98/EC).

15 01 10* (packaging containing residues of or contaminated by dangerous substances).

SECTION 14: Transport information

Road (ADR)

| 14. <u>1. UN number</u> | |
|--|--|
| UN number | 1950 |
| 14.2. UN proper shipping name | |
| Proper shipping name | aerosols |
| 14.3. Transport hazard class(es) | |
| Hazard identification number | |
| Class | 2 |
| Classification code | 5A |
| 14.4. Packing group | |
| Packing group | |
| Labels | 2.2 |
| 14. <u>5. Environmental hazards</u> | |
| Environmentally hazardous substance mark | no |
| 14. <u>6. Special precautions for user</u> | |
| Special provisions | 190 |
| Special provisions | 327 |
| Special provisions | 344 |
| Special provisions | 625 |
| Limited quantities | Combination packagings: not more than 1 liter per inner packaging for liquids. A package shall not weigh more than 30 kg. (gross mass) |

Reason for revision: 3;9;12

Rail (RID)

| UN number | 1950 |
|--|---|
| 14.2. UN proper shipping name | |
| Proper shipping name | aerosols |
| 4.3. Transport hazard class(es) | |
| Hazard identification number | 20 |
| Class | 2 |
| Classification code | 5A |
| 4.4. Packing group | |
| Packing group | |
| Labels | 2.2 |
| 4. <u>5. Environmental hazards</u> | |
| Environmentally hazardous substance mark | no |
| 4.6. Special precautions for user | |
| Special provisions | 190 |
| Special provisions | 327 |
| Special provisions | 344 |
| Special provisions | 625 |
| Limited quantities | Combination packagings: not more than 1 liter per inner packaging for liquids. A package shall not weigh more than 30 kg. (gross mass) |

Inland waterways (ADN)

| 1950 |
|--|
| |
| aerosols |
| |
| 2 |
| 5A |
| |
| |
| 2.2 |
| |
| no |
| |
| 190 |
| 327 |
| 344 |
| 625 |
| Combination packagings: not more than 1 liter per inner packaging fo liquids. A package shall not weigh more than 30 kg. (gross mass) |
| |

Sea (IMDG/IMSBC)

| UN number | 1950 |
|--|---|
| 4.2. UN proper shipping name | |
| Proper shipping name | aerosols |
| 4.3. Transport hazard class(es) | |
| Class | 2.2 |
| 4. <mark>4. Packing group</mark> | |
| Packing group | |
| Labels | 2.2 |
| 4. <mark>5. Environmental hazards</mark> | |
| Marine pollutant | - |
| Environmentally hazardous substance mark | no |
| 4.6. Special precautions for user | |
| Special provisions | 190 |
| Special provisions | 277 |
| Special provisions | 327 |
| Special provisions | 344 |
| Special provisions | 381 |
| Special provisions | 63 |
| Special provisions | 959 |
| Limited quantities | Combination packagings: not more than 1 liter per inner packaging for |
| | liquids. A package shall not weigh more than 30 kg. (gross mass) |
| 4.7. Maritime transport in bulk according to IMO instruments | |
| Annex II of MARPOL 73/78 | Not applicable |

Air (ICAO-TI/IATA-DGR)

Reason for revision: 3;9;12

| 4.1. UN number | | |
|--|-------------------------|--|
| UN number | 1950 | |
| 14. <u>2. UN proper shipping name</u> | | |
| Proper shipping name | aerosols, non-flammable | |
| 14.3. Transport hazard class(es) | | |
| Class | 2.2 | |
| 14. <u>4. Packing group</u> | | |
| Packing group | | |
| Labels | 2.2 | |
| 14. <u>5. Environmental hazards</u> | | |
| Environmentally hazardous substance mark | no | |
| 14.6. Special precautions for user | | |
| Special provisions | A145 | |
| Special provisions | A167 | |
| Special provisions | A802 | |
| Special provisions | A98 | |
| Passenger and cargo transport | | |
| Limited quantities: maximum net quantity per packaging | 30 kg G | |

SECTION 15: Regulatory information

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

VOC content Directive 2010/75/EU

| [| VOC content | Remark |
|---|-------------|--------|
| | 0 g/l | |

Directive 2012/18/EU (Seveso III)

Not subject to registration according to Directive 2012/18/EU (Seveso III)

European drinking water standards (98/83/EC and 2020/2184)

sodium mercaptoacetate

| Parameter | Parametric value | Note | Reference |
|-----------|------------------|------|---|
| Sodium | 200 mg/l | | Listed in Annex I, Part C, of Directive (EU) 2020/2184 on the |
| | | | quality of water intended for human consumption. |

National legislation Belgium

OXI REMOVER AEROSOL

No data available

National legislation The Netherlands

OXI REMOVER AEROSOL Waterbezwaarlijkheid

B (3); Algemene Beoordelingsmethodiek (ABM)

National legislation France OXI REMOVER AEROSOL

No data available

National legislation Germany

| <u>OXI REIMOVER AEROSOL</u> | |
|-----------------------------|---|
| Lagerklasse (TRGS510) | 2B: Aerosolpackungen und Feuerzeuge |
| WGK | 1; Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen (AwSV) - 18. April 2017 |
| sodium mercaptoacetate | |
| TA-Luft | 5.2.5/I |
| TRGS900 - Risiko der | Thioglykolate; Y; Risiko der Fruchtschädigung braucht bei Einhaltung des Arbeitsplatzgrenzwertes und des biologischen |
| Fruchtschädigung | Grenzwertes nicht befürchtet zu werden |
| Sensibilisierende Stoffe | Thioglykolate; Sh; Hautsensibilisierende Stoffe |
| Hautresorptive Stoffe | Thioglykolate; H; Hautresorptiv |

National legislation Austria

OXI REMOVER AEROSOL

No data available

National legislation United Kingdom OXI REMOVER AEROSOL

No data available

Other relevant data OXI REMOVER AEROSOL

No data available

sodium mercaptoacetate

| TLV - Skin absorption | Thioglycolic acid and salts; Skin; Danger of cutaneous absorption | |
|--------------------------|---|--|
| TLV - Skin Sensitisation | Thioglycolic acid and salts; SEN; Sensitization | |

Reason for revision: 3;9;12

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15.2. Chemical safety assessment

No chemical safety assessment has been conducted for the mixture.

SECTION 16: Other information

Full text of any H- and EUH-statements referred to under section 3: H229 Pressurised container: May burst if heated.

- H280 Contains gas under pressure; may explode if heated.
- H290 May be corrosive to metals.
- H301 Toxic if swallowed.
- H302 Harmful if swallowed.
- H312 Harmful in contact with skin.
- H317 May cause an allergic skin reaction.
- H412 Harmful to aquatic life with long lasting effects.

| (4) | |
|--------------|--|
| (*) | INTERNAL CLASSIFICATION BY BIG |
| ADI | Acceptable daily intake |
| AOEL | Acceptable operator exposure level |
| ATE | Acute Toxicity Estimate |
| CLP (EU-GHS) | Classification, labelling and packaging (Globally Harmonised System in Europe) |
| DMEL | Derived Minimal Effect Level |
| DNEL | Derived No Effect Level |
| EC50 | Effect Concentration 50 % |
| ErC50 | EC50 in terms of reduction of growth rate |
| LC50 | Lethal Concentration 50 % |
| LD50 | Lethal Dose 50 % |
| NOAEC/NOAEL | No Observed Adverse Effect Concentration/No Observed Adverse Effect Level |
| NOEC/NOEL | No Observed Effect Concentration/No Observed Effect Level |
| OECD | Organisation for Economic Co-operation and Development |
| PBT | Persistent, Bioaccumulative & Toxic |
| PNEC | Predicted No Effect Concentration |
| STP | Sludge Treatment Process |
| vPvB | very Persistent & very Bioaccumulative |
| | |

The information in this safety data sheet is based on data and samples provided to BIG. The sheet was written to the best of our ability and according to the state of knowledge at that time. The safety data sheet only constitutes a guideline for the safe handling, use, consumption, storage, transport and disposal of the substances/preparations/mixtures mentioned under point 1. New safety data sheets are written from time to time. Only the most recent versions may be used. Unless indicated otherwise word for word on the safety data sheet, the information does not apply to substances/preparations/mixtures in purer form, mixed with other substances or in processes. The safety data sheet offers no quality specification for the substances/preparations/mixtures in question. Compliance with the instructions in this safety data sheet does not release the user from the obligation to take all measures dictated by common sense, regulations and recommendations or which are necessary and/or useful based on the real applicable circumstances. BIG does not guarantee the accuracy or exhaustiveness of the information provided and cannot be held liable for any changes by third parties. This safety data sheet is only to be used within the European Union, Switzerland, Iceland, Norway and Liechtenstein. Any use outside of this area is at your own risk. Use of this safety data sheet is subject to the licence and liability limiting conditions as stated in your BIG licence agreement or when this is failing the general conditions of BIG. All intellectual property rights to this sheet are the property of BIG and its distribution and reproduction are limited. Consult the mentioned agreement/conditions for details.

Reason for revision: 3;9;12