

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878

Primer-610 Spray



Revision Date: 01.04.2025
Date of last issue: 09.10.2023

Version 2.0

Print Date 01.04.2025

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

1.1 Product identifier

Trade name : Primer-610 Spray

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

Product use : Primer, Pretreatment agent, For professional users only.

1.3 Details of the supplier of the safety data sheet

Company name of supplier : Sika Ireland Ltd
Sika House
Ballymun Industrial Estate
Dublin 11
Telephone : +353 1862 0709
E-mail address of person : EHS@UK.Sika.com
responsible for the SDS

1.4 Emergency telephone number

National Poisons Information Centre (NPIC) (01) 809 2166
(available 8am - 10pm every day)

Sika Ireland (01) 862 0709 (available during office hours)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

| | |
|--|---|
| Aerosols, Category 1 | H222: Extremely flammable aerosol. H229: Pressurised container: May burst if heated. |
| Skin irritation, Category 2 | H315: Causes skin irritation. |
| Specific target organ toxicity - single exposure, Category 3, Central nervous system | H336: May cause drowsiness or dizziness. |
| Long-term (chronic) aquatic hazard, Category 2 | H411: Toxic to aquatic life with long lasting effects. |

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

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Hazard pictograms :



Signal word :

Danger

Hazard statements :

H222 Extremely flammable aerosol.
H229 Pressurised container: May burst if heated.
H315 Causes skin irritation.
H336 May cause drowsiness or dizziness.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements :

Prevention:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211 Do not spray on an open flame or other ignition source.
P251 Do not pierce or burn, even after use.
P273 Avoid release to the environment.

Response:

P391 Collect spillage.

Storage:

P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.

Hazardous components which must be listed on the label:

cyclohexane

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

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SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components

| Chemical name | CAS-No. EC-No. Registration number | Classification | Concentration (% w/w) |
|---|--|--|--------------------------|
| cyclohexane | 110-82-7 203-806-2 01-2119463273-41-XXXX | Flam. Liq. 2; H225 Asp. Tox. 1; H304 Skin Irrit. 2; H315 STOT SE 3; H336 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 | $\geq 20 - < 25$ |
| Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane | Not Assigned 921-024-6 01-2119475514-35-XXXX | Flam. Liq. 2; H225 Skin Irrit. 2; H315 STOT SE 3; H336 (Central nervous system) Asp. Tox. 1; H304 Aquatic Chronic 2; H411 | $\geq 10 - < 20$ |
| Hydrocarbons, C6, isoalkanes, <5% n-hexane | Not Assigned 931-254-9 01-2119484651-34-XXXX | Flam. Liq. 2; H225 Skin Irrit. 2; H315 Asp. Tox. 1; H304 Aquatic Chronic 2; H411 | $\geq 10 - < 20$ |
| ethyl acetate | 141-78-6 205-500-4 01-2119475103-46-XXXX | Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336 (Central nervous system) EUH066 | $\geq 5 - < 10$ |
| Substances with a workplace exposure limit : | | | |
| dimethyl ether | 115-10-6 204-065-8 01-2119472128-37-XXXX | Flam. Gas 1A; H220 | $\geq 40 - < 60$ |

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice : Move out of dangerous area.
Consult a physician.
Show this safety data sheet to the doctor in attendance.

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- | | | |
|-------------------------|---|---|
| If inhaled | : | Move to fresh air. |
| In case of skin contact | : | Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. If symptoms persist, call a physician. |
| In case of eye contact | : | Remove contact lenses. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist. |
| If swallowed | : | Do not induce vomiting without medical advice. Rinse mouth with water. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. |

4.2 Most important symptoms and effects, both acute and delayed

- | | | |
|----------|---|--|
| Symptoms | : | Erythema Dermatitis Loss of balance Vertigo See Section 11 for more detailed information on health effects and symptoms. |
| Risks | : | irritant effects Causes skin irritation. May cause drowsiness or dizziness. |

4.3 Indication of any immediate medical attention and special treatment needed

- | | | |
|-----------|---|------------------------|
| Treatment | : | Treat symptomatically. |
|-----------|---|------------------------|

SECTION 5: Firefighting measures

5.1 Extinguishing media

- | | | |
|--------------------------------|---|--|
| Suitable extinguishing media | : | In case of fire, use water/water spray/water jet/carbon dioxide/sand/foam/alcohol resistant foam/chemical powder for extinction. |
| Unsuitable extinguishing media | : | High volume water jet |

5.2 Special hazards arising from the substance or mixture

- | | | |
|---------------------------------------|---|---|
| Specific hazards during fire-fighting | : | Do not allow run-off from fire fighting to enter drains or water courses. |
|---------------------------------------|---|---|

5.3 Advice for firefighters

- | | | |
|------------------------------|---|--|
| Special protective equipment | : | In the event of fire, wear self-contained breathing apparatus. |
|------------------------------|---|--|

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for firefighters

Further information : Use water spray to cool unopened containers.
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment.
Deny access to unprotected persons.

6.2 Environmental precautions

Environmental precautions : Do not flush into surface water or sanitary sewer system.
If the product contaminates rivers and lakes or drains inform respective authorities.

6.3 Methods and material for containment and cleaning up

6.4 Reference to other sections

For personal protection see section 8.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Avoid exceeding the given occupational exposure limits (see section 8).
Do not get in eyes, on skin, or on clothing.
For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.
Take precautionary measures against static discharge.
Open drum carefully as content may be under pressure.
Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours).
Follow standard hygiene measures when handling chemical products

Advice on protection against fire and explosion : Use explosion-proof equipment. Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking. Do not spray on a naked flame or any incandescent material. Take precautionary measures against electrostatic discharges.

Hygiene measures : Handle in accordance with good industrial hygiene and safety

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practice. When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : BEWARE: Aerosol is pressurized. Keep away from direct sun exposure and temperatures over 50 °C. Do not open by force or throw into fire even after use. Do not spray on flames or red-hot objects. Store in original container. Keep container tightly closed in a dry and well-ventilated place. Observe label precautions. Store in accordance with local regulations.

Further information on storage stability : No decomposition if stored and applied as directed.

7.3 Specific end use(s)

Specific use(s) : Consult most current local Product Data Sheet prior to any use.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

| Components | CAS-No. | Value type (Form of exposure) | Control parameters * | Basis * |
|---------------------------------|----------|-------------------------------|--------------------------------------|-------------|
| dimethyl ether | 115-10-6 | TWA | 1.000 ppm 1.920 mg/m ³ | 2000/39/EC |
| Further information: Indicative | | | | |
| | | OELV - 8 hrs (TWA) | 1.000 ppm 1.920 mg/m ³ | IE OEL |
| cyclohexane | 110-82-7 | TWA | 200 ppm 700 mg/m ³ | 2006/15/EC |
| Further information: Indicative | | | | |
| | | OELV - 8 hrs (TWA) | 200 ppm 700 mg/m ³ | IE OEL |
| ethyl acetate | 141-78-6 | STEL | 400 ppm 1.468 mg/m ³ | 2017/164/EU |
| Further information: Indicative | | | | |
| | | TWA | 200 ppm 734 mg/m ³ | 2017/164/EU |
| | | OELV - 8 hrs (TWA) | 200 ppm 734 mg/m ³ | IE OEL |
| | | OELV - 15 min (STEL) | 400 ppm 1.468 mg/m ³ | IE OEL |

*The above mentioned values are in accordance with the legislation in effect at the date of the release of this safety data sheet.

8.2 Exposure controls

Engineering measures

Maintain air concentrations below occupational exposure standards.

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Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

- Eye/face protection : Safety glasses with side-shields conforming to EN166
Eye wash bottle with pure water
- Hand protection : Chemical-resistant, impervious gloves complying with an approved standard must be worn at all times when handling chemical products. Reference number EN 374. Follow manufacturer specifications.
Suitable for short time use or protection against splashes:
Butyl rubber/nitrile rubber gloves (> 0,1 mm)
Contaminated gloves should be removed.
Suitable for permanent exposure:
Viton gloves (0.4 mm),
breakthrough time >30 min.
- Skin and body protection : Protective clothing (e.g. Safety shoes acc. to EN ISO 20345, long-sleeved working clothing, long trousers).
- Respiratory protection : In case of inadequate ventilation wear respiratory protection. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
organic vapor (Type A) and particulate filter
A1: < 1000 ppm; A2: < 5000 ppm; A3: < 10000 ppm
P1: Inert material; P2, P3: hazardous substances
Ensure adequate ventilation, especially in confined areas.
When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Environmental exposure controls

- General advice : Do not flush into surface water or sanitary sewer system.
If the product contaminates rivers and lakes or drains inform respective authorities.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Physical state : aerosol
Colour : various
- Odour : ether-like
- Melting point/ range : -141,5 °C
- Boiling point/boiling range : -24,8 °C (1.013 hPa)

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Flammability (solid, gas) : No data available

Upper/lower flammability or explosive limits

Upper explosion limit / Upper flammability limit : Upper explosion limit
26,2 %(V)

Lower explosion limit / Lower flammability limit : Lower explosion limit
3,3 %(V)

Flash point : -41 °C
Method: closed cup

Auto-ignition temperature : No data available

Self ignition temperature : 226 °C

Decomposition temperature : No data available

pH : Not applicable

Viscosity

Viscosity, kinematic : > 20,5 mm²/s (40 °C)

Solubility(ies)

Water solubility : 45,6 g/l (25 °C)
partly soluble

Partition coefficient: n-octanol/water : Pow: 0,07

Vapour pressure : 5.132,9 hPa (25 °C)
Not applicable

Density : ca. 1,10 g/cm³ (20 °C)

Relative vapour density : No data available

Particle characteristics : No data available

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9.2 Other information

No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

The product is chemically stable.

10.3 Possibility of hazardous reactions

Hazardous reactions : Hazardous decomposition products formed under fire conditions.

Stable under recommended storage conditions.

10.4 Conditions to avoid

Conditions to avoid : Heat, flames and sparks.

10.5 Incompatible materials

Materials to avoid : Oxidizing agents
Acids and bases

10.6 Hazardous decomposition products

No decomposition if stored and applied as directed.

SECTION 11: Toxicological information

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

Acute toxicity

Not classified due to lack of data.

Components:

ethyl acetate:

Acute oral toxicity : LD50 Oral (Rat): > 5.000 mg/kg

Acute inhalation toxicity : LC50 (Rat): ca. 1.600 mg/l
Exposure time: 4 h
Test atmosphere: vapour

Acute dermal toxicity : LD50 Dermal (Rabbit): > 5.000 mg/kg

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Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/eye irritation

Not classified due to lack of data.

Respiratory or skin sensitisation

Skin sensitisation

Not classified due to lack of data.

Respiratory sensitisation

Not classified due to lack of data.

Germ cell mutagenicity

Not classified due to lack of data.

Carcinogenicity

Not classified due to lack of data.

Reproductive toxicity

Not classified due to lack of data.

STOT - single exposure

May cause drowsiness or dizziness.

STOT - repeated exposure

Not classified due to lack of data.

Aspiration toxicity

Not classified due to lack of data.

11.2 Information on other hazards

Endocrine disrupting properties

Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 12: Ecological information

12.1 Toxicity

Components:

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane:

Toxicity to fish : LL50 (Oncorhynchus mykiss (rainbow trout)): 12,51 mg/l
Exposure time: 96 h

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12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

Product:

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher..

12.6 Endocrine disrupting properties

Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

12.7 Other adverse effects

Product:

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Toxic to aquatic life with long lasting effects.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product : The generation of waste should be avoided or minimized wherever possible.
Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way.
Dispose of surplus and non-recyclable products via a licensed waste disposal contractor.
Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.
Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

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SECTION 14: Transport information

14.1 UN number or ID number

| | | |
|-------------------------|---|--|
| ADR | : | UN 3501 |
| IMDG | : | UN 3501 |
| IATA (Cargo) | : | UN 3501 |
| IATA (Passenger) | : | UN 3501 Not permitted for transport |

14.2 UN proper shipping name

| | | |
|-------------------------|---|---|
| ADR | : | CHEMICAL UNDER PRESSURE, FLAMMABLE, N.O.S. (dimethyl ether) |
| IMDG | : | CHEMICAL UNDER PRESSURE, FLAMMABLE, N.O.S. (dimethyl ether, cyclohexane) |
| IATA (Cargo) | : | Chemical under pressure, flammable, n.o.s. (dimethyl ether) |
| IATA (Passenger) | : | CHEMICAL UNDER PRESSURE, FLAMMABLE, N.O.S. Not permitted for transport |

14.3 Transport hazard class(es)

| | Class | Subsidiary risks |
|-------------------------|-------|-----------------------------|
| ADR | : | 2 2.1 |
| IMDG | : | 2.1 |
| IATA (Cargo) | : | 2.1 |
| IATA (Passenger) | : | Not permitted for transport |

14.4 Packing group

| | |
|--------------------------------------|------------------------------|
| ADR | |
| Packing group | : Not assigned by regulation |
| Classification Code | : 8F |
| Hazard Identification Number | : 23 |
| Labels | : 2.1 |
| Tunnel restriction code | : (B/D) |
| IMDG | |
| Packing group | : Not assigned by regulation |
| Labels | : 2.1 |
| EmS Code | : <u>F-D</u> , <u>S-U</u> |
| IATA (Cargo) | |
| Packing instruction (cargo aircraft) | : 218 |
| Packing group | : Not assigned by regulation |
| Labels | : Flammable Gas |

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IATA (Passenger) : Not permitted for transport

14.5 Environmental hazards

ADR

Environmentally hazardous : yes

IMDG

Marine pollutant : yes

IATA (Passenger)

Environmentally hazardous : yes

IATA (Cargo)

Environmentally hazardous : yes

14.6 Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

14.7 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

SECTION 15: Regulatory information

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

International Chemical Weapons Convention (CWC) : Not applicable
Schedules of Toxic Chemicals and Precursors

REACH Information: All substances contained in our Products are
- registered by our upstream suppliers, and/or
- registered by us, and/or
- excluded from the regulation, and/or
- exempted from the registration.

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII) : Conditions of restriction for the following entries should be considered:
Number on list 75

Banned and/or restricted

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). : None of the components are listed
(=> 0.1 %).

REACH - List of substances subject to authorisation (Annex XIV) : Not applicable

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Regulation (EU) No 2024/590 on substances that deplete the ozone layer : Not applicable

Regulation (EU) 2019/1021 on persistent organic pollutants (recast) : Not applicable

Regulation (EU) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals : Not applicable

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

P3a FLAMMABLE AEROSOLS

E2 ENVIRONMENTAL HAZARDS

34 Petroleum products: (a) gasolines and naphthas, (b) kerosenes (including jet fuels), (c) gas oils (including diesel fuels, home heating oils and gas oil blending streams), (d) heavy fuel oils (e) alternative fuels serving the same purposes and with similar properties as regards flammability and environmental hazards as the products referred to in points (a) to (d)

Volatile organic compounds : Law on the incentive tax for volatile organic compounds (VOCV)
Volatile organic compounds (VOC) content: 72,5% w/w

If other regulatory information applies that is not already provided elsewhere in the Safety Data Sheet, then it is described in this subsection.

Health, safety and environmental regulation/legislation specific for the substance or mixture: : Environmental Protection Act 1990 & Subsidiary Regulations
Health and Safety at Work Act 1974 & Subsidiary Regulations
Control of Substances Hazardous to Health Regulations (COSHH)
May be subject to the Control of Major Accident Hazards Regulations (COMAH), and amendments.

Other regulations:

75/324/EEC

15.2 Chemical safety assessment

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

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SECTION 16: Other information

Full text of H-Statements

| | |
|------|---|
| H220 | : Extremely flammable gas. |
| H225 | : Highly flammable liquid and vapour. |
| H304 | : May be fatal if swallowed and enters airways. |
| H315 | : Causes skin irritation. |
| H319 | : Causes serious eye irritation. |
| H336 | : May cause drowsiness or dizziness. |
| H400 | : Very toxic to aquatic life. |
| H410 | : Very toxic to aquatic life with long lasting effects. |
| H411 | : Toxic to aquatic life with long lasting effects. |

Full text of other abbreviations

| | |
|-------------------------------|---|
| Aquatic Acute | : Short-term (acute) aquatic hazard |
| Aquatic Chronic | : Long-term (chronic) aquatic hazard |
| Asp. Tox. | : Aspiration hazard |
| Eye Irrit. | : Eye irritation |
| Flam. Gas | : Flammable gases |
| Flam. Liq. | : Flammable liquids |
| Skin Irrit. | : Skin irritation |
| STOT SE | : Specific target organ toxicity - single exposure |
| 2000/39/EC | : Europe. Commission Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values |
| 2006/15/EC | : Europe. Indicative occupational exposure limit values |
| 2017/164/EU | : Europe. Commission Directive 2017/164/EU establishing a fourth list of indicative occupational exposure limit values |
| IE OEL | : Ireland. List of Chemical Agents and Carcinogens with Occupational Exposure Limit Values - Code of Practice, Schedule 1 and 2 |
| 2000/39/EC / TWA | : Limit Value - eight hours |
| 2006/15/EC / TWA | : Limit Value - eight hours |
| 2017/164/EU / STEL | : Short term exposure limit |
| 2017/164/EU / TWA | : Limit Value - eight hours |
| IE OEL / OELV - 8 hrs (TWA) | : Occupational exposure limit value (8-hour reference period) |
| IE OEL / OELV - 15 min (STEL) | : Occupational exposure limit value (15-minute reference period) |
| ADR | : European Agreement concerning the International Carriage of Dangerous Goods by Road |
| CAS | : Chemical Abstracts Service |
| DNEL | : Derived no-effect level |
| EC50 | : Half maximal effective concentration |
| GHS | : Globally Harmonized System |
| IATA | : International Air Transport Association |
| IMDG | : International Maritime Code for Dangerous Goods |
| LD50 | : Median lethal dose (the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals) |
| LC50 | : Median lethal concentration (concentrations of the chemical in air that kills 50% of the test animals during the observation period) |

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| | | |
|--------|---|--|
| MARPOL | : | International Convention for the Prevention of Pollution from Ships, 1973 as modified by the Protocol of 1978 |
| OEL | : | Occupational Exposure Limit |
| PBT | : | Persistent, bioaccumulative and toxic |
| PNEC | : | Predicted no effect concentration |
| REACH | : | Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency |
| SVHC | : | Substances of Very High Concern |
| vPvB | : | Very persistent and very bioaccumulative |

Further information

Classification of the mixture:

| | |
|-------------------|------------|
| Aerosol 1 | H222, H229 |
| Skin Irrit. 2 | H315 |
| STOT SE 3 | H336 |
| Aquatic Chronic 2 | H411 |

Classification procedure:

| |
|--------------------|
| Calculation method |
| Calculation method |
| Calculation method |
| Calculation method |

The information contained in this Safety Data Sheet corresponds to our level of knowledge at the time of publication. All warranties are excluded. Our most current General Sales Conditions shall apply. Please consult the product data sheet prior to any use and processing.

|| Changes as compared to previous version !

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