

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

1.1 Product identifier

| Trade name | [:] SikaForce [®] -010 (formerly SikaForce-7010) Part B |
|----------------|---|
| Substance name | : Diphenylmethanediisocyanate, isomeres and homologues |
| CAS-No. | : 9016-87-9 |

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

Product use : Sealant/adhesive

1.3 Details of the supplier of the safety data sheet

| Company name of supplier | : Sika Poland Spółka z o.o. |
|--------------------------|-----------------------------|
| | Karczunkowska 89 |
| | 02-871 Warszawa |
| Telephone | : +48 22 27 28 700 |
| Telefax | : +48 22 27 28 800 |
| E-mail address of person | : EHS@pl.sika.com |
| responsible for the SDS | |
| | |

1.4 Emergency telephone number

112

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

| Classification (REGULATION (EC) No 12 Acute toxicity, Category 4 | 72/2008) H332: Harmful if inhaled. |
|---|--|
| Skin irritation, Category 2 | H315: Causes skin irritation. |
| Eye irritation, Category 2 | H319: Causes serious eye irritation. |
| Respiratory sensitisation, Category 1 | H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled. |
| Skin sensitisation, Category 1 | H317: May cause an allergic skin reaction. |
| Carcinogenicity, Category 2 | H351: Suspected of causing cancer. |
| Specific target organ toxicity - single ex- posure, Category 3, Respiratory system | H335: May cause respiratory irritation. |
| Specific target organ toxicity - repeated exposure, Category 2 | H373: May cause damage to organs through pro- longed or repeated exposure if inhaled. |



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2.2 Label elements

| Labelling (REGULATION (EC) No 1272/2008) | | | | | | | | | |
|--|---|---|--|--|--|--|--|--|--|
| Hazard pictograms | : | | ! | | | | | | |
| Signal word | : | Danger | | | | | | | |
| Hazard statements | : | H315 H317 H319 H332 H334 H335 H351 H373 | Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Harmful if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation. Suspected of causing cancer. May cause damage to organs through pro- longed or repeated exposure if inhaled. | | | | | | |
| Precautionary statements | : | Prevention: P201 P260 P264 P280 Response: P304 + P340 + | Obtain special instructions before use. Do not breathe mist or vapours. Wash skin thoroughly after handling. Wear protective gloves/ protective clothing/ eye protection/ face protection. P312 IF INHALED: Remove person to fresh | | | | | | |
| | | P342 + P311 | air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell. If experiencing respiratory symptoms: Call a POISON CENTER/ doctor. | | | | | | |

Additional Labelling

"As from 24 August 2023 adequate training is required before industrial or professional use."

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

3.1 Substances

CAS-No.

: 9016-87-9

Components

| Chemical name | CAS-No. EC-No. | Concentration (% w/w) | M-Factor, SCL, ATE |
|--|---------------------------|--------------------------|--|
| Diphenylmethanediisocya- nate, isomeres and homo- logues | 9016-87-9 Not Assigned | 100 | specific concentration limit Eye Irrit. 2; H319 >= 5 % Resp. Sens. 1; H334 >= 0,1 % Skin Irrit. 2; H315 >= 5 % STOT SE 3; H335 >= 5 % |

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. | | | | | |
| If inhaled | : | Move to fresh air. Consult a physician after significant exposure. | | | | | |
| 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 | : | Immediately flush eye(s) with plenty of water. 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. | | | | | |

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4.2 Most important symptoms and effects, both acute and delayed

| Symptoms | Asthmatic appearance Cough Respiratory disorder Allergic reactions Excessive lachrymation Erythema Headache Dermatitis See Section 11 for more detailed information on health effects and symptoms. |
|-------------------------|--|
| Risks | : irritant effects sensitising effects |
| | Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Harmful if inhaled. May cause allergy or asthma symptoms or breathing difficul- ties if inhaled. May cause respiratory irritation. Suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure if inhaled. |
| 3 Indication of any imp | May cause damage to organs through prolong |

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 diox- ide/sand/foam/alcohol resistant foam/chemical powder for extinction. |
|--|-----|--|
| 5.2 Special hazards arising from | the | e substance or mixture |
| Hazardous combustion prod- ucts | : | No hazardous combustion products are known |
| 5.3 Advice for firefighters | | |
| Special protective equipment for firefighters | : | In the event of fire, wear self-contained breathing apparatus. |
| Further information | : | Standard procedure for chemical fires. |





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Keep in suitable, closed containers for disposal.

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 co | ntai | nment and cleaning up | | | | | |
| Methods for cleaning up | : | Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). | | | | | |

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 formation of aerosol. 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. Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used. Smoking, eating and drinking should be prohibited in the application area. Provide sufficient air exchange and/or exhaust in work rooms. Follow standard hygiene measures when handling chemical products |
|---|---|--|
| Advice on protection against fire and explosion | : | Normal measures for preventive fire protection. |
| Hygiene measures | : | Handle in accordance with good industrial hygiene and safety 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 : | | Keep container tightly cl | losed in | n a | dry | and | well-ventilate | d |
|----------------------------|--|---------------------------|----------|-----|-----|-----|----------------|---|
|----------------------------|--|---------------------------|----------|-----|-----|-----|----------------|---|



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| areas and containers | | place. Containers which are opened must be sealed and kept upright to prevent leakage. S ance with local regulations. | |
| Further information on stor- age stability | : | No decomposition if stored and applied as dir | ected. |
| 7.3 Specific end use(s) | | | |
| Specific use(s) | : | Cleaning with aprotic polar solvents must be a Consult most current local Product Data Shee | |

SECTION 8: Exposure controls/personal protection

use.

8.1 Control parameters

Occupational Exposure Limits

| Components | CAS-No. | Value type (Form of exposure) | Control parame- ters * | Basis * |
|--|-----------|----------------------------------|---------------------------|---------|
| Diphenylmethanediisocyanate, isomeres and homologues | 9016-87-9 | NDS | 0,03 mg/m3 | PL OEL |
| | | NDSch | 0,09 mg/m3 | PL 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. 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). Rubber aprons and protective boots are additionaly recommended for mixing and stirring work. |



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|---|--|--|
| Respiratory protection : | In case of inadequate ventilation wear respirat Respirator selection must be based on known exposure levels, the hazards of the product a ing limits of the selected respirator. Use a properly fitted NIOSH approved air-pur respirator complying with an approved standa sessment indicates this is necessary. organic vapor filter (Type A) A1: < 1000 ppm; A2: < 5000 ppm; A3: < 1000 Ensure adequate ventilation. This can be ach exhaust extraction or by general ventilation. (ods for determining inhalation exposure). This ticular to the mixing / stirring area. In case this to keep the concentrations under the occupat limits then respiration protection measures m Ensure adequate ventilation, especially in con | n or anticipated ind the safe work- rifying or air-fed ard if a risk as- 00 ppm nieved by local EN 689 - Meth- s applies in par- s is not sufficent tional exposure ust be used. |
| Environmental exposure contro | ls | |
| General advice : | Do not flush into surface water or sanitary set If the product contaminates rivers and lakes or respective authorities. | |

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

| Physical state Colour | : | liquid brown |
|---|-----|-------------------|
| Odour | : | slight |
| Melting point/range / Freezing point | : | No data available |
| Boiling point/boiling range | : | No data available |
| Flammability (solid, gas) | : | No data available |
| Upper/lower flammability or e | exp | losive limits |
| Upper explosion limit / Upper flammability limit | • | |
| Lower explosion limit / Lower flammability limit | : | No data available |
| Flash point | : | > 200 °C |

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| | I | Method: closed cup |
| Auto-ignition temperature | : 1 | No data available |
| Decomposition temperature | : 1 | No data available |
| рН | : 1 | No data available |
| Viscosity | | |
| Viscosity, dynamic | : 0 | ca. 250 mPa.s (20 °C) |
| Viscosity, kinematic | : : | > 20,5 mm2/s (40 °C) |
| Solubility(ies) | | |
| Water solubility | : i | nsoluble |
| Partition coefficient: n- octanol/water | : 1 | No data available |
| Vapour pressure | : (| 0,01 hPa |
| Density | : (| ca. 1,24 g/cm3 (20 °C) |
| Relative vapour density | : 1 | No data available |
| Particle characteristics | : 1 | No data available |

9.2 Other information

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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 : No hazards to be specially mentioned.



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10.4 Conditions to avoid

Conditions to avoid

: No data available

10.5 Incompatible materials

Materials to avoid : No data available

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 |
|---------|----------|
| / .outo | COMICILY |

Harmful if inhaled.

Components:

Diphenylmethanediisocyanate, isomeres and homologues:

| Acute oral toxicity | : | LD50 Oral (Rat): > 10.000 mg/kg | |
|--|------|---|--|
| Acute inhalation toxicity | : | LC50: 1,5 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: Expert judgement Assessment: The component/mixture is moderately toxic after short term inhalation. | |
| Acute dermal toxicity | : | LD50 Dermal (Rabbit): > 9.400 mg/kg | |
| Skin corrosion/irritation Causes skin irritation. | | | |
| Serious eye damage/eye irritation | | | |
| Causes serious eye irritation. Respiratory or skin sensitisation | | | |
| Skin sensitisation May cause an allergic skin rea | acti | n | |
| Respiratory sensitisation | aoti | | |
| May cause allergy or asthma symptoms or breathing difficulties if inhaled. | | | |
| Germ cell mutagenicity | | | |
| Not classified based on availa | able | information. | |
| Carcinogenicity Suspected of causing cancer. | | | |
| Suspected of causing cancer. | | | |

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Reproductive toxicity

Not classified based on available information.

STOT - single exposure

May cause respiratory irritation.

STOT - repeated exposure

May cause damage to organs through prolonged or repeated exposure if inhaled.

Aspiration toxicity

Not classified based on available information.

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:

Diphenylmethanediisocyanate, isomeres and homologues:

| Toxicity to fish | : | LC50 (Brachydanio rerio (zebrafish)): > 1.000 mg/l Exposure time: 96 h |
|----------------------------------|---|---|
| Toxicity to algae/aquatic plants | : | EC50 (Desmodesmus subspicatus (green algae)): > 1.640 mg/l Exposure time: 72 h |

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



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0.1% or higher..

12.6 Endocrine disrupting properties

| Product: | |
|----------------------------|---|
| Assessment | : The substance/mixture does not contain components consid- ered 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: | |

| rioduot. | | |
|--|---|--|
| Additional ecological infor- mation | : | There is no data available for this product. |
| | | |

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. |
| European Waste Catalogue | : 08 05 01* waste isocyanates |
| Contaminated packaging | : 15 01 10* packaging containing residues of or contaminated by dangerous substances |

SECTION 14: Transport information

| 14.1 UN number or ID number | | |
|------------------------------|---|-----------------------------------|
| ADR | : | Not regulated as a dangerous good |
| IMDG | : | Not regulated as a dangerous good |
| ΙΑΤΑ | : | Not regulated as a dangerous good |
| 14.2 UN proper shipping name | | |

Country PL 000000217611



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| | ADR | : | Not regulated as a dangerous good | |
|------|------------------------------|---|-----------------------------------|--|
| | IMDG | : | Not regulated as a dangerous good | |
| | ΙΑΤΑ | : | Not regulated as a dangerous good | |
| 14.3 | 3 Transport hazard class(es) | | | |
| | ADR | : | Not regulated as a dangerous good | |
| | IMDG | : | Not regulated as a dangerous good | |
| | ΙΑΤΑ | : | Not regulated as a dangerous good | |
| 14.4 | 4 Packing group | | | |
| | ADR | : | Not regulated as a dangerous good | |
| | IMDG | : | Not regulated as a dangerous good | |
| | IATA (Cargo) | : | Not regulated as a dangerous good | |
| | IATA (Passenger) | : | Not regulated as a dangerous good | |
| | | | | |

14.5 Environmental hazards

Not regulated as a dangerous good

14.6 Special precautions for user

Not applicable

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 | | |
|--|---|--|
| 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 fol- lowing entries should be considered: Number on list 3 |
| | | Diphenylmethanediisocyanate, iso- meres and homologues (Number on list 74, 56) |
| International Chemical Weapons Convention (CWC) Schedules of Toxic Chemicals and Precursors | : | Not applicable |
| 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 |

SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006

SikaForce[®]-010 (formerly SikaForce-7010) Part B



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| Regulation (EC) No 1005/2009 or plete the ozone layer | n substances that de- | : | Not applicable | |
| Regulation (EU) 2019/1021 on petants (recast) | ersistent organic pollu- | : | Not applicable | |
| Regulation (EC) No 649/2012 of t ment and the Council concerning of dangerous chemicals | | : | Not applicable | |
| REACH Information: | All substances contain - registered by our ups - registered by us, and - excluded from the reg - exempted from the reg | trea /or gula | am suppliers, and/or ation, and/or | |
| Seveso III: Directive 2012/18/EU jor-accident hazards involving dat | | nen | t and of the Council on | the control of ma- |
| Volatile organic compounds : | Law on the incentive ta (VOCV) no VOC duties | ax f | or volatile organic com | pounds |
| | Directive 2010/75/EU o emissions (integrated p Not applicable | | | |

Other regulations:

Act of February 25, 2011 on chemical substances and their mixtures (i.e. Journal of Laws of 2020, item 2289)

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (Official Journal of the European Union L 353 from 31.12.2008) with further adaptation to technical progress (ATP).

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, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC (Official Journal of the European Union L 396 from 30.12.2006, as amended).

Commission Regulation (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration,



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Evaluation, Authorisation and Restriction of Chemicals (REACH)

Ordinance of the Minister of Family, Labour and Social Policy of 12 June 2018 concerning the highest allowable concentrations and levels of the agents harmful for health in the workplace (Dz.U 2018 pos 1286, with later amendments).

Ordinance of the Minister of Health of 2nd February 2011 concerning tests and measurement of agents harmful for health in the workplace (Dz. U. Nr. 33, item 166 with later amendments).

Ordinance of the Minister of Health of 30th December 2004 on the health and safety of workers related to chemical agents at work (consolidated text, Journal of Laws 2016 no. 0 item 1488)

Act of 14 December 2012. on Waste (Journal of Laws of 2013. pos. 21, as amended).

Act of 13 June 2013. On packaging and packaging waste (Journal. U. of 2013. Item. 888, as amended).

Ordinance of the Minister of Climate of 2nd January 2020 on Waste Catalog (Dz. U. 2020 item 10).

Ordinance of the Minister of Environment on the requirements for carrying out the process of thermal treatment of waste and how to deal with waste produced in the process. (Dz. U. of 2016., Pos. 108)

Act of 19 August 2011 on transport of dangerous goods (Dz. U. Nr. 227, item 1367, as amended).

Government Statement of February 15, 2021 on the entry into force of amendments to Annexes A and B to Agreement concerning the International Carriage of Dangerous Goods by Road (ADR), drawn up in Geneva on September 30, 1957 (Journal of Laws 202 poz.874 as amended)

Act of July 29, 2005 on drug addiction prevention (Journal of Laws of 2005, No. 179, item 1485, with later amendments)

Regulation (EU) 2016/425 of the European Parliament and of the Council of 9 March 2016 on personal protective equipment and repealing Council Directive 89/686/EEC

15.2 Chemical safety assessment

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

SECTION 16: Other information

Full text of other abbreviations

| PL OEL | Poland. Occupational exposure limits for airborne toxic sub- stances |
|----------------|--|
| PL OEL / NDS | : Maximal Admissible Concentration |
| PL OEL / NDSch | : Maximal Admissible Temporary Concentration |
| ADR | : European Agreement concerning the International Carriage of Dangerous Goods by Road |



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| CAS DNEL EC50 GHS IATA IMDG LD50 | Chemical Abstracts Service Derived no-effect level Half maximal effective concentration Globally Harmonized System International Air Transport Association International Maritime Code for Dangerous Goods Median lethal dosis (the amount of a material, given all at |
|--|--|
| 2200 | 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) |
| 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 Reg- istration, Evaluation, Authorisation and Restriction of Chemi- cals (REACH), establishing a European Chemicals Agency |
| SVHC | : Substances of Very High Concern |
| vPvB | : Very persistent and very bioaccumulative |

Further information

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 !

PL/EN