

according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended

Creation Date 26-Apr-2010

Revision Date 19-Oct-2023

Revision Number 6

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1. Product identifier

| Product Description:      |
|---------------------------|
| Cat No. :                 |
| Synonyms                  |
| Index No                  |
| CAS No                    |
| EC No                     |
| Molecular Formula         |
| REACH registration number |

Dimethyldichlorosilane D/3820/PB05, D/3820/PB07 Dimethyldichlorosilane; DMDCS 014-003-00-X 75-78-5 200-901-0 C2 H6 Cl2 Si

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

| Recommended Use      | Laboratory chemicals.    |
|----------------------|--------------------------|
| Uses advised against | No Information available |

1.3. Details of the supplier of the safety data sheet

Company

**UK entity/business name** Fisher Scientific UK Bishop Meadow Road, Loughborough, Leicestershire LE11 5RG, United Kingdom

#### EU entity/business name

Thermo Fisher Scientific Janssen Pharmaceuticalaan 3a 2440 Geel, Belgium

E-mail address

begel.sdsdesk@thermofisher.com

#### 1.4. Emergency telephone number

Tel: 01509 231166 Chemtrec US: (800) 424-9300 Chemtrec EU: 001-703-527-3887

## **SECTION 2: HAZARDS IDENTIFICATION**

### 2.1. Classification of the substance or mixture

CLP Classification - According to GB-CLP Regulations UK SI 2019/720 and UK SI 2020/1567

#### Physical hazards

Flammable liquids

Category 2 (H225)

#### Dimethyldichlorosilane

#### Health hazards

Acute oral toxicity Acute Inhalation Toxicity - Vapors Skin Corrosion/Irritation Serious Eye Damage/Eye Irritation

#### **Environmental hazards**

Based on available data, the classification criteria are not met

Full text of Hazard Statements: see section 16

#### 2.2. Label elements



Signal Word

Danger

#### **Hazard Statements**

H225 - Highly flammable liquid and vapor

- H302 Harmful if swallowed
- H331 Toxic if inhaled
- H314 Causes severe skin burns and eye damage

#### **Precautionary Statements**

P280 - Wear protective gloves/protective clothing/eye protection/face protection

P301 + P330 + P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P310 - Immediately call a POISON CENTER or doctor/physician

P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking

#### 2.3. Other hazards

Water reactive

Substance is not considered persistent, bioaccumulative and toxic (PBT) / very persistent and very bioaccumulative (vPvB) Lachrymator (substance which increases the flow of tears)

Toxic to terrestrial vertebrates

This product does not contain any known or suspected endocrine disruptors

## **SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

#### 3.1. Substances

#### Dimethyldichlorosilane

#### Revision Date 19-Oct-2023

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| Dimethyldichlorosilane | 75-78-5 | EEC No. 200-901-0 | >95 | Flam. Liq. 2 (H225)  |
|------------------------|---------|-------------------|-----|----------------------|
|                        |         |                   |     | Acute Tox. 3 (H331)  |
|                        |         |                   |     | Acute Tox. 4 (H302)  |
|                        |         |                   |     | Skin Corr. 1A (H314) |
|                        |         |                   |     | Eye Dam. 1 (H318)    |
|                        | -       |                   |     |                      |

#### **REACH** registration number

Full text of Hazard Statements: see section 16

### **SECTION 4: FIRST AID MEASURES**

#### 4.1. Description of first aid measures

| General Advice                     | Show this safety data sheet to the doctor in attendance. Immediate medical attention is required.  |
|------------------------------------|--|
| Eye Contact                        | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.<br>Immediate medical attention is required.   |
| Skin Contact                       | Wash off immediately with plenty of water for at least 15 minutes. Immediate medical attention is required.  |
| Ingestion                          | Do NOT induce vomiting. Call a physician or poison control center immediately.   |
| Inhalation                         | If not breathing, give artificial respiration. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Remove to fresh air. Immediate medical attention is required.   |
| Self-Protection of the First Aider | Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination.   |
| 4.2. Most important symptoms and   | effects, both acute and delayed  |
|                                    | Causes burns by all exposure routes. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting: Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible perforation of stomach or esophagus should be investigated: Ingestion causes severe swelling, severe damage to the delicate tissue and danger of perforation |

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

Notes to Physician Treat symptomatically.

### **SECTION 5: FIREFIGHTING MEASURES**

#### 5.1. Extinguishing media

#### Suitable Extinguishing Media

Water spray, carbon dioxide (CO2), dry chemical, alcohol-resistant foam. Water mist may be used to cool closed containers.

Extinguishing media which must not be used for safety reasons Water.

#### 5.2. Special hazards arising from the substance or mixture

#### Dimethyldichlorosilane

Thermal decomposition can lead to release of irritating gases and vapors. The product causes burns of eyes, skin and mucous membranes. Flammable. Containers may explode when heated. Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back.

#### **Hazardous Combustion Products**

Carbon monoxide (CO), Carbon dioxide (CO<sub>2</sub>), Silicon dioxide, Hydrogen chloride gas.

#### 5.3. Advice for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Thermal decomposition can lead to release of irritating gases and vapors.

### **SECTION 6: ACCIDENTAL RELEASE MEASURES**

#### 6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipment as required. Ensure adequate ventilation. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Remove all sources of ignition. Take precautionary measures against static discharges.

#### 6.2. Environmental precautions

Should not be released into the environment.

#### 6.3. Methods and material for containment and cleaning up

Soak up with inert absorbent material. Keep in suitable, closed containers for disposal. Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment.

#### 6.4. Reference to other sections

Refer to protective measures listed in Sections 8 and 13.

## **SECTION 7: HANDLING AND STORAGE**

#### 7.1. Precautions for safe handling

Wear personal protective equipment/face protection. Do not get in eyes, on skin, or on clothing. Use only under a chemical fume hood. Do not breathe mist/vapors/spray. Do not ingest. If swallowed then seek immediate medical assistance. Keep away from open flames, hot surfaces and sources of ignition. Use only non-sparking tools. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Take precautionary measures against static discharges.

#### **Hygiene Measures**

Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Wash hands before breaks and after work.

#### 7.2. Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks and flame. Keep away from water or moist air. Refrigerator/flammables. Corrosives area.

Technical Rules for Hazardous Substances (TRGS) 510 Class 3 Storage Class (LGK) (Germany)

### 7.3. Specific end use(s)

Use in laboratories

### **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

#### 8.1. Control parameters

#### **Exposure limits** List source(s):

### **Biological limit values**

This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies

#### Derived No Effect Level (DNEL) / Derived Minimum Effect Level (DMEL)

See table for values

| Component                               | Acute effects local<br>(Dermal) | Acute effects<br>systemic (Dermal) | Chronic effects local<br>(Dermal) | Chronic effects systemic (Dermal)       |
|---|---------------------------------|------------------------------------|-----------------------------------|---|
| Dimethyldichlorosilane<br>75-78-5 (>95) |                                 | DNEL = 7mg/kg bw/day               |                                   | DNEL = 7mg/kg bw/day<br>DNEL = 1.2mg/kg |
|   |                                 |                                    |                                   | bw/day                                  |

| Component                                 | Acute effects local<br>(Inhalation) | Acute effects systemic (Inhalation) | Chronic effects local (Inhalation)                          | Chronic effects systemic (Inhalation)                       |
|---|-------------------------------------|-------------------------------------|---|---|
| Dimethyldichlorosilane<br>75-78-5 ( >95 ) | DNEL = 14.2mg/m <sup>3</sup>        | DNEL = 49.4mg/m <sup>3</sup>        | DNEL = 14.2mg/m <sup>3</sup><br>DNEL = 9.3mg/m <sup>3</sup> | DNEL = 49.4mg/m <sup>3</sup><br>DNEL = 4.1mg/m <sup>3</sup> |

#### Predicted No Effect Concentration (PNEC)

See values below.

| Component              | Fresh water    | Fresh water      | Water Intermittent | Microorganisms in | Soil (Agriculture) |
|------------------------|----------------|------------------|--------------------|-------------------|--------------------|
|                        |                | sediment         |                    | sewage treatment  |                    |
| Dimethyldichlorosilane | PNEC = 0.2mg/L | PNEC = 5.54mg/kg |                    | PNEC = 6.9mg/L    | PNEC =             |
| 75-78-5 (>95)          |                | sediment dw      |                    | PNEC = 66.7 mg/L  | 0.346mg/kg soil dw |
|                        |                | PNEC = 0.54mg/kg |                    | -                 | PNEC = 0.34mg/kg   |
|                        |                | sediment dw      |                    |                   | soil dw            |

| Component                                 | Marine water    | Marine water<br>sediment   | Marine water<br>intermittent | Food chain               | Air |
|---|-----------------|--|------------------------------|--------------------------|-----|
| Dimethyldichlorosilane<br>75-78-5 ( >95 ) | PNEC = 0.02mg/L | PNEC =<br>0.554mg/kg<br>sediment dw<br>PNEC =<br>0.054mg/kg<br>sediment dw |                              | PNEC = 16.7mg/kg<br>food |     |

#### 8.2. Exposure controls

#### **Engineering Measures**

Ensure adequate ventilation, especially in confined areas. Use explosion-proof electrical/ventilating/lighting equipment. Ensure that eyewash stations and safety showers are close to the workstation location.

Wherever possible, engineering control measures such as the isolation or enclosure of the process, the introduction of process or

#### Dimethyldichlorosilane

equipment changes to minimise release or contact, and the use of properly designed ventilation systems, should be adopted to control hazardous materials at source

| Personal protective eq<br>Eye Protection                              | •   | (European standard   | I - EN 166)           |   |
|---|---|----------------------|-----------------------|---|
| Hand Protection   | Protectiv   | e gloves             |                       |   |
| Glove material<br>Nitrile rubber<br>Neoprene<br>Natural rubber<br>PVC | Breakthrough time<br>See manufacturers<br>recommendations | Glove thickness<br>- | EU standard<br>EN 374 | Glove comments<br>(minimum requirement) |
| Skin and body prot  | ection Long sle   | eved clothing.       |                       |   |

Inspect gloves before use.

Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. (Refer to manufacturer/supplier for information)

Ensure gloves are suitable for the task: Chemical compatability, Dexterity, Operational conditions, User susceptibility, e.g. sensitisation effects, also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion.

Remove gloves with care avoiding skin contamination.

| Respiratory Protection     | When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.<br>To protect the wearer, respiratory protective equipment must be the correct fit and be used and maintained properly   |
|----------------------------|---|
| Large scale/emergency use  | Use a NIOSH/MSHA or European Standard EN 136 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced <b>Recommended Filter type:</b> Organic gases and vapours filter Type A Brown conforming to EN14387   |
| Small scale/Laboratory use | Use a NIOSH/MSHA or European Standard EN 149:2001 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.<br><b>Recommended half mask:-</b> Valve filtering: EN405; or; Half mask: EN140; plus filter, EN 141<br>When RPE is used a face piece Fit Test should be conducted |

Environmental exposure controls No information available.

## **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

#### 9.1. Information on basic physical and chemical properties

| Physical State            | Liquid             |
|---------------------------|--------------------|
| Appearance                | Clear              |
| Odor                      | pungent            |
| Odor Threshold            | No data available  |
| Melting Point/Range       | -76 °C / -104.8 °F |
| Softening Point           | No data available  |
| Boiling Point/Range       | 70 °C / 158 °F     |
| Flammability (liquid)     | Highly flammable   |
| Flammability (solid,gas)  | Not applicable     |
| Explosion Limits          | Lower 4 vol%       |
|                           | Upper 3 vol%       |
| Flash Point               | -9 °C / 15.8 °F    |
| Autoignition Temperature  | 460 °C / 860 °F    |
| Decomposition Temperature | < 100 °C           |

On basis of test data Liquid

Method - No information available

| рН                                | No information available $< 1$ |           |
|-----------------------------------|--------------------------------|-----------|
| Viscosity                         | 0.6 cP at 25 °C                |           |
| Water Solubility                  | Water reactive                 |           |
| Solubility in other solvents      | No information available       |           |
| Partition Coefficient (n-octanol/ | water)                         |           |
| Vapor Pressure                    | 150 hPa @ 20 °C                |           |
| Density / Specific Gravity        | 1.060                          |           |
| Bulk Density                      | Not applicable                 | Liquid    |
| Vapor Density                     | 1.45                           | (Air = 1. |
| Particle characteristics          | Not applicable (liquid)        | Υ.        |
| 9.2. Other information            |                                |           |
| Molecular Formula                 | C2 H6 Cl2 Si                   |           |
| Molecular Weight                  | 129.06                         |           |

**SECTION 10: STABILITY AND REACTIVITY** 

Vapors may form explosive mixtures with air

| 10.1. Reactivity                                | Yes   |
|---|---|
| 10.2. Chemical stability                        | Moisture sensitive. Water reactive.   |
| 10.3. Possibility of hazardous reaction         | ons_  |
| Hazardous Polymerization<br>Hazardous Reactions | Hazardous polymerization does not occur.<br>Reacts with water and forms Hydrogen chloride.  |
| 10.4. Conditions to avoid                       | Incompatible products. Excess heat. Keep away from open flames, hot surfaces and sources of ignition. Exposure to moist air or water. |
| 10.5. Incompatible materials                    | Water. Strong oxidizing agents.   |

#### 10.6. Hazardous decomposition products

Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>). Silicon dioxide. Hydrogen chloride gas.

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### **SECTION 11: TOXICOLOGICAL INFORMATION**

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

#### **Product Information**

Dimethyldichlorosilane

**Explosive Properties** 

| (a) acute toxicity; |                   |
|---------------------|-------------------|
| Oral                | Category 4        |
| Dermal              | No data available |
| Inhalation          | Category 3        |

| Com        | oonent       | LD50 Oral              | LD50 Dermal | LC50 Inhalation          |
|------------|--------------|------------------------|-------------|--------------------------|
| Dimethyldi | chlorosilane | LD50 = 800 mg/kg (Rat) | -           | LC50 = 2092 ppm (Rat)1 h |
|            |              |                        |             |                          |

| Dimethyldichlorosilane  | Revision Date 19-Oct-2023  |
|---|--|
| (b) skin corrosion/irritation;  | Category 1 A   |
| (c) serious eye damage/irritation;  | Category 1   |
| (d) respiratory or skin sensitization;<br>Respiratory<br>Skin   | No data available<br>No data available   |
| (e) germ cell mutagenicity;   | No data available  |
| (f) carcinogenicity;  | No data available  |
|   | There are no known carcinogenic chemicals in this product  |
| (g) reproductive toxicity;  | No data available  |
| (h) STOT-single exposure;   | No data available  |
| (i) STOT-repeated exposure;   | No data available  |
| Target Organs   | No information available.  |
| (j) aspiration hazard;  | No data available  |
| Symptoms / effects,both acute and delayed   | Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting. Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible perforation of stomach or esophagus should be investigated. Ingestion causes severe swelling, severe damage to the delicate tissue and danger of perforation. |
| 11.2. Information on other hazards  |  |
| Endocrine Disrupting Properties   | Assess endocrine disrupting properties for human health. This product does not contain any known or suspected endocrine disruptors.  |
| SE  | CTION 12: ECOLOGICAL INFORMATION   |
| <u>12.1. Toxicity</u><br>Ecotoxicity effects  | No information available. Reacts with water so no ecotoxicity data for the substance is available.   |
| 12.2. Persistence and degradability<br>Persistence<br>Degradability<br>Degradation in sewage<br>treatment plant | No information available<br>Persistence is unlikely, based on information available.<br>No information available, Reacts with water.<br>No information available. Water reactive.  |
| 12.3. Bioaccumulative potential   | Bioaccumulation is unlikely  |

| <u>12.4. Mobility in soil</u>   | The product contains volatile organic compounds (VOC) which will evaporate easily from all surfaces Will likely be mobile in the environment due to its volatility. Disperses rapidly in air |
|---|--|
| <u>12.5. Results of PBT and vPvB</u><br>assessment  | Water reactive. Substance is not considered persistent, bioaccumulative and toxic (PBT) / very persistent and very bioaccumulative (vPvB).   |
| <u>12.6. Endocrine disrupting</u><br>properties<br>Endocrine Disruptor Information              | This product does not contain any known or suspected endocrine disruptors  |
| <u>12.7. Other adverse effects</u><br>Persistent Organic Pollutant<br>Ozone Depletion Potential | This product does not contain any known or suspected substance<br>This product does not contain any known or suspected substance   |

SECTION 13: DISPOSAL CONSIDERATIONS

#### 13.1. Waste treatment methods

Dimethyldichlorosilane

| Waste from Residues/Unused<br>Products | Waste is classified as hazardous. Dispose of in accordance with the European Directives on waste and hazardous waste. Dispose of in accordance with local regulations.   |
|--|--|
| Contaminated Packaging                 | Dispose of this container to hazardous or special waste collection point. Empty containers retain product residue, (liquid and/or vapor), and can be dangerous. Keep product and empty container away from heat and sources of ignition.   |
| European Waste Catalogue (EWC)         | According to the European Waste Catalog, Waste Codes are not product specific, but application specific.   |
| Other Information                      | Waste codes should be assigned by the user based on the application for which the product was used. Do not flush to sewer. Can be landfilled or incinerated, when in compliance with local regulations. Do not empty into drains. Large amounts will affect pH and harm aquatic organisms. Solutions with low pH-value must be neutralized before discharge. |

## **SECTION 14: TRANSPORT INFORMATION**

#### IMDG/IMO

| 14.1. UN number                      | UN1162                 |
|--------------------------------------|------------------------|
| <u>14.2. UN proper shipping name</u> | DIMETHYLDICHLOROSILANE |
| 14.3. Transport hazard class(es)     | 3                      |
| Subsidiary Hazard Class              | 8                      |
| 14.4. Packing group                  | II                     |

<u>ADR</u>

| 14.2. UN proper shipping name<br>14.3. Transport hazard class(es)<br>Subsidiary Hazard Class | UN1162<br>DIMETHYLDICHLOROSILANE<br>3<br>8<br>II |
|--|--|
|--|--|

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| 14.1. UN number                    | UN1162                           |
|------------------------------------|----------------------------------|
| 14.2. UN proper shipping name      | DIMETHYLDICHLOROSILANE           |
| 14.3. Transport hazard class(es)   | 3                                |
| Subsidiary Hazard Class            | 8                                |
| 14.4. Packing group                | II                               |
| 14.5. Environmental hazards        | No hazards identified            |
| 14.6. Special precautions for user |                                  |
| 14.6. Special precautions for user | No special precautions required. |

### **SECTION 15: REGULATORY INFORMATION**

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

#### International Inventories

Europe (EINECS/ELINCS/NLP), China (IECSC), Taiwan (TCSI), Korea (KECL), Japan (ENCS), Japan (ISHL), Canada (DSL/NDSL), Australia (AICS), New Zealand (NZIoC), Philippines (PICCS). US EPA (TSCA) - Toxic Substances Control Act, (40 CFR Part 710)

| Component              | CAS No  | EINECS    | ELINCS | NLP                           | IECSC | TCSI | KECL     | ENCS  | ISHL  |
|------------------------|---------|-----------|--------|-------------------------------|-------|------|----------|-------|-------|
| Dimethyldichlorosilane | 75-78-5 | 200-901-0 | -      | -                             | Х     | Х    | KE-11332 | Х     | Х     |
|                        |         |           |        |                               |       |      |          |       |       |
| Component              | CAS No  | TSCA      |        | ventory<br>ation -<br>nactive | DSL   | NDSL | AICS     | NZIoC | PICCS |
| Dimethyldichlorosilane | 75-78-5 | Х         | ACT    | IVE                           | Х     | -    | Х        | Х     | Х     |

Legend: X - Listed '-' - Not Listed KECL - NIER number or KE number (http://ncis.nier.go.kr/en/main.do)

#### Authorisation/Restrictions according to EU REACH

| Component              | CAS No  | REACH (1907/2006) -<br>Annex XIV - Substances<br>Subject to Authorization |  | REACH Regulation (EC<br>1907/2006) article 59 -<br>Candidate List of<br>Substances of Very High<br>Concern (SVHC) |
|------------------------|---------|---|--|---|
| Dimethyldichlorosilane | 75-78-5 | -   | Use restricted. See item<br>75.<br>(see link for restriction<br>details) | -   |

#### **REACH links**

https://echa.europa.eu/substances-restricted-under-reach

#### Seveso III Directive (2012/18/EC)

| Component              | CAS No  | Seveso III Directive (2012/18/EC) -      | Seveso III Directive (2012/18/EC) -     |  |
|------------------------|---------|--|---|--|
|                        |         | Qualifying Quantities for Major Accident | Qualifying Quantities for Safety Report |  |
|                        |         | Notification                             | Requirements                            |  |
| Dimethyldichlorosilane | 75-78-5 | Not applicable                           | Not applicable                          |  |

#### Regulation (EC) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of dangerous chemicals Not applicable

#### Contains component(s) that meet a 'definition' of per & poly fluoroalkyl substance (PFAS)? Not applicable

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work .

#### **National Regulations**

UK - Take note of Control of Substances Hazardous to Health Regulations (COSHH) 2002 and 2005 Amendment

#### WGK Classification

See table for values

| Component              | Germany - Water Classification (AwSV) | Germany - TA-Luft Class |
|------------------------|---------------------------------------|-------------------------|
| Dimethyldichlorosilane | WGK1                                  |                         |

#### 15.2. Chemical safety assessment

A Chemical Safety Assessment/Report (CSA/CSR) has not been conducted

## SECTION 16: OTHER INFORMATION

#### Full text of H-Statements referred to under sections 2 and 3

H302 - Harmful if swallowed

H331 - Toxic if inhaled

H314 - Causes severe skin burns and eye damage

H318 - Causes serious eye damage

H225 - Highly flammable liquid and vapor

#### Legend

| CAS - Chemical Abstracts Service  | <b>TSCA</b> - United States Toxic Substances Control Act Section 8(b) |
|---|---|
|   | Inventory   |
| EINECS/ELINCS - European Inventory of Existing Commercial Chemical        | DSL/NDSL - Canadian Domestic Substances List/Non-Domestic             |
| Substances/EU List of Notified Chemical Substances                        | Substances List   |
| <b>PICCS</b> - Philippines Inventory of Chemicals and Chemical Substances | ENCS - Japanese Existing and New Chemical Substances                  |
| IECSC - Chinese Inventory of Existing Chemical Substances                 | AICS - Australian Inventory of Chemical Substances                    |
| KECL - Korean Existing and Evaluated Chemical Substances                  | NZIOC - New Zealand Inventory of Chemicals                            |
| ·   | •   |
|   |   |

WEL - Workplace Exposure LimitTWA - Time Weighted AverageACGIH - American Conference of Governmental Industrial HygienistsIARC - International Agency for Research on Cancer<br/>Predicted No Effect Concentration (PNEC)DNEL - Derived No Effect LevelLD50 - Lethal Dose 50%RPE - Respiratory Protective EquipmentLD50 - Lethal Dose 50%LC50 - Lethal Concentration 50%EC50 - Effective Concentration 50%NOEC - No Observed Effect ConcentrationPOW - Partition coefficient Octanol:Water<br/>vPvB - very Persistent, very Bioaccumulative

ADR - European Agreement Concerning the International Carriage of Dangerous Goods by Road IMO/IMDG - International Maritime Organization/International Maritime

IMO/IMDG - International Maritime Organization/International Maritime Dangerous Goods Code

**ICAO/IATA** - International Civil Aviation Organization/International Air Transport Association

**MARPOL** - International Convention for the Prevention of Pollution from Ships

#### Dimethyldichlorosilane

OECD - Organisation for Economic Co-operation and Development BCF - Bioconcentration factor Key literature references and sources for data https://echa.europa.eu/information-on-chemicals Suppliers safety data sheet, Chemadvisor - LOLI, Merck index, RTECS

**Training Advice** 

Chemical hazard awareness training, incorporating labelling, Safety Data Sheets (SDS), Personal Protective Equipment (PPE) and hygiene.

Use of personal protective equipment, covering appropriate selection, compatibility, breakthrough thresholds, care, maintenance, fit and standards.

First aid for chemical exposure, including the use of eye wash and safety showers.

| Creation Date    | 26-Apr-2010     |
|------------------|-----------------|
| Revision Date    | 19-Oct-2023     |
| Revision Summary | Not applicable. |

# This safety data sheet complies with Regulation UK SI 2019/758 and UK SI 2020/1577 as amended.

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

## End of Safety Data Sheet