Safety Data Sheet according to Regulation (EU) 2015/830

 Date of issue: 01/06/2022
 Version: 0.0

 Doc No: SDS-960.033/2
 Version: 0.0



| <b>SECTION 1: Identification of the subs</b> | tance/mixture and of the company/undertaking                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.1. Product identifier                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Product form                                 | : Substance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Substance name                               | : Potassium chloride                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| EC no                                        | : 231-211-8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| CAS No                                       | : 7447-40-7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Type of product                              | : Pure substance, Hygroscopic substance. Preventive measures apply to the substance in dry state only                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Formula                                      | : KCI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Chemical structure                           | :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|                                              | CI K <sup>+</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Synonyms                                     | : camcopot / chloride of potash / chloropotassuril / chlorvescent / diffu-K / dipotassium dichloride / emplets potassium chloride / enseal / enseal potassium chloride / kaleorid / kaleorid / kaleorid / kalitabs / kalium duriles / kaochlor / kaon-Cl / kaon-Cl 10 / kaon-Cl tabs / kaskay / kay ciel / kayback / kay-cee-I / K-contin / K-lor / klor-con / klotrix / K-lyte/Cl / K-norm / K-predne-dome / K-prende-dome / K-tab / lento-kalium / leo K / micro K / monopotassium chloride / muriate of potash / nat-sylvite / natural sylvite / neobakasal / nu-K / peter-kal / pfiklor / potassium monochloride / potassium muriate / potavescent / rekawan / repone K / slow-K / slow-K tablets / span-K / super K / sylvine / sylvite / tripotassium trichloride |
| 1.2. Relevant identified uses of the substa  | ance or mixture and uses advised against                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

#### 1.2.1. Relevant identified uses

Use of the substance/mixture

: Laboratory chemical

#### 1.2.2. Uses advised against

No additional information available

### **1.3.** Details of the supplier of the safety data sheet ISOLAB Laborgeräte GmbH

Am Dillhof 2 - 63863 Eschau / GERMANY Tel: + 49 93 74 / 978 55-0 Fax: +49 93 74 / 978 55-29 prodsafe@isolab.de

#### 1.4. Emergency telephone number

| Country | Organisation/Company                                             | Address                           | Emergency number | Comment |
|---------|------------------------------------------------------------------|-----------------------------------|------------------|---------|
| Germany | Giftnotruf der Charité<br>CBF, Haus VIII (Wirtschaftgebäude), UG | Hindenburgdamm 30<br>12203 Berlin | +49 (0) 30 19240 |         |

#### **SECTION 2: Hazards identification**

#### 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

#### Adverse physicochemical, human health and environmental effects

No additional information available

#### 2.2. Label elements

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

No labelling applicable

#### 2.3. Other hazards

No additional information available

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### SECTION 3: Composition/information on ingredients

| 3.1. Substances    |                                         |          |                                                                          |
|--------------------|-----------------------------------------|----------|--------------------------------------------------------------------------|
| Name               | Product identifier                      | %        | Classification<br>according to<br>Regulation (EC) No.<br>1272/2008 [CLP] |
| Potassium chloride | (CAS No) 7447-40-7<br>(EC no) 231-211-8 | 99 - 100 | Not classified                                                           |

Full text of H-statements: see section 16

#### 3.2. Mixtures

Not applicable

| SECTION 4: First aid measu            | res                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 4.1. Description of first aid me      | esures                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| First-aid measures general            | : Check the vital functions. Unconscious: maintain adequate airway and respiration. Respiratory arrest: artificial respiration or oxygen. Cardiac arrest: perform resuscitation. Victim conscious with laboured breathing: half-seated. Victim in shock: on his back with legs slightly raised. Vomiting: prevent asphyxia/aspiration pneumonia. Prevent cooling by covering the victim (no warming up). Keep watching the victim. Give psychological aid. Keep the victim calm, avoid physical strain. Depending on the victim's condition: doctor/hospital. |
| First-aid measures after inhalation   | : Remove the victim into fresh air. Respiratory problems: consult a doctor/medical service.                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| First-aid measures after skin contact | : Rinse with water. Soap may be used. Take victim to a doctor if irritation persists.                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| First-aid measures after eye contact  | : Rinse with water. Do not apply neutralizing agents. Take victim to an ophthalmologist if irritatio<br>persists.                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| First-aid measures after ingestion    | : Rinse mouth with water. Immediately after ingestion: give lots of water to drink. Victim is fully conscious: immediately induce vomiting. Call Poison Information Centre (www.big.be/antigif.htm). Consult a doctor/medical service if you feel unwell. Ingestion of large quantities: immediately to hospital.                                                                                                                                                                                                                                             |
| 4.2. Most important symptoms          | s and effects, both acute and delayed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Symptoms/injuries after inhalation    | : AFTER INHALATION OF DUST: Slight irritation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Symptoms/injuries after skin contact  | : No effects known.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Symptoms/injuries after eye contact   | : Not irritating.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Symptoms/injuries after ingestion     | : AFTER ABSORPTION OF HIGH QUANTITIES: Feeling of weakness. Gastrointestinal<br>complaints. Nausea. Vomiting. Diarrhoea. Change in the haemogramme/blood composition.<br>Cardiac and blood circulation effects. Low arterial pressure. Dizziness. Disturbances of heart<br>rate. Cramps/uncontrolled muscular contractions. Disturbances of consciousness.                                                                                                                                                                                                    |
| Chronic symptoms                      | : No effects known.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 4.3. Indication of any immedia        | te medical attention and special treatment needed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| No additional information available   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| SECTION 5: Firefighting mea           | asures                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 5.1. Extinguishing media              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Suitable extinguishing media          | : Adapt extinguishing media to the environment.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Unsuitable extinguishing media        | : No unsuitable extinguishing media known.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 6 6                                   | om the substance or mixture                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Fire hazard                           | : DIRECT FIRE HAZARD. Non combustible.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Explosion hazard                      | <ul> <li>DIRECT EXPLOSION HAZARD. Not applicable. INDIRECT EXPLOSION HAZARD. Not applicable.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 5.3. Advice for firefighters          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Precautionary measures fire           | : Exposure to fire/heat: keep upwind. Exposure to fire/heat: consider evacuation. Exposure to fire/heat: have neighbourbood close doors and windows                                                                                                                                                                                                                                                                                                                                                                                                           |

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| SECT    | ION 6: Accidental release mea                                       | asu  | res                                                                                                                                                                                                                                                                                                                                    |  |
|---------|---------------------------------------------------------------------|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| 6.1.    | Personal precautions, protective equipment and emergency procedures |      |                                                                                                                                                                                                                                                                                                                                        |  |
| 6.1.1.  | For non-emergency personnel                                         |      |                                                                                                                                                                                                                                                                                                                                        |  |
| Protect | ve equipment                                                        | :    | Gloves. Protective clothing. Dust cloud production: compressed air/oxygen apparatus. See "Material-Handling" to select protective clothing.                                                                                                                                                                                            |  |
| Emerge  | ency procedures                                                     | :    | Mark the danger area. Prevent dust cloud formation, e.g. by wetting. No naked flames. Wash contaminated clothes.                                                                                                                                                                                                                       |  |
| Measur  | es in case of dust release                                          | :    | In case of dust production: keep upwind. Dust production: have neighbourhood close doors and windows.                                                                                                                                                                                                                                  |  |
| 6.1.2.  | For emergency responders                                            |      |                                                                                                                                                                                                                                                                                                                                        |  |
| No add  | itional information available                                       |      |                                                                                                                                                                                                                                                                                                                                        |  |
| 6.2.    | Environmental precautions                                           |      |                                                                                                                                                                                                                                                                                                                                        |  |
| No add  | itional information available                                       |      |                                                                                                                                                                                                                                                                                                                                        |  |
| 6.3.    | Methods and material for containm                                   | nent | and cleaning up                                                                                                                                                                                                                                                                                                                        |  |
| For con | tainment                                                            | :    | Contain released substance, pump into suitable containers. Plug the leak, cut off the supply. Knock down/dilute dust cloud with water spray.                                                                                                                                                                                           |  |
| Method  | s for cleaning up                                                   | :    | Stop dust cloud by humidifying with water. Scoop solid spill into closing containers. Wash down leftovers with plenty of water. Clean contaminated surfaces with an excess of water. Wash clothing and equipment after handling.                                                                                                       |  |
| 6.4.    | Reference to other sections                                         |      |                                                                                                                                                                                                                                                                                                                                        |  |
| No add  | itional information available                                       |      |                                                                                                                                                                                                                                                                                                                                        |  |
| SECT    | ION 7: Handling and storage                                         |      |                                                                                                                                                                                                                                                                                                                                        |  |
| 7.1.    | Precautions for safe handling                                       |      |                                                                                                                                                                                                                                                                                                                                        |  |
| Precau  | tions for safe handling                                             | :    | Comply with the legal requirements. Clean contaminated clothing. Thoroughly clean/dry the installation before use. Avoid raising dust. Keep away from naked flames/heat. Observe normal hygiene standards. Keep container tightly closed. Carry operations in the open/under local exhaust/ventilation or with respiratory protection. |  |
| 7.2.    | Conditions for safe storage, includ                                 | ing  | any incompatibilities                                                                                                                                                                                                                                                                                                                  |  |
| Heat ar | nd ignition sources                                                 | :    | KEEP SUBSTANCE AWAY FROM: heat sources.                                                                                                                                                                                                                                                                                                |  |
| Informa | tion on mixed storage                                               |      | KEEP SUBSTANCE AWAY FROM: oxidizing agents. (strong) acids. water/moisture.                                                                                                                                                                                                                                                            |  |
| Storage | area                                                                | :    | Store in a cool area. Store in a dry area. Keep container in a well-ventilated place. Keep only in the original container. Meet the legal requirements. Keep out of direct sunlight.                                                                                                                                                   |  |
| Special | rules on packaging                                                  | :    | SPECIAL REQUIREMENTS: closing. watertight. dry. correctly labelled. meet the legal<br>requirements. Secure fragile packagings in solid containers.                                                                                                                                                                                     |  |
| Packag  | ing materials                                                       | :    | SUITABLE MATERIAL: No data available. MATERIAL TO AVOID: No data available.                                                                                                                                                                                                                                                            |  |
| 7.3.    | Specific end use(s)                                                 |      |                                                                                                                                                                                                                                                                                                                                        |  |
| No add  | itional information available                                       |      |                                                                                                                                                                                                                                                                                                                                        |  |
| SECT    | ION 8: Exposure controls/per                                        | sor  | al protection                                                                                                                                                                                                                                                                                                                          |  |

| SECTION 8: EX | posure controls/ | personal | protection |
|---------------|------------------|----------|------------|
|               |                  |          |            |

### 8.1. Control parameters

No additional information available

#### 8.2. Exposure controls

#### Materials for protective clothing:

GIVE EXCELLENT RESISTANCE: No data available. GIVE GOOD RESISTANCE: butyl rubber. nitrile rubber. GIVE LESS RESISTANCE: No data available. GIVE POOR RESISTANCE: No data available

#### Hand protection:

Gloves

#### Eye protection:

Safety glasses. In case of dust production: protective goggles

#### Skin and body protection:

Protective clothing

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#### **Respiratory protection:**

Dust production: dust mask with filter type P1

| <b>SECTION 9: Physical and chemical p</b>        | properties                                                                                      |
|--------------------------------------------------|-------------------------------------------------------------------------------------------------|
| 9.1. Information on basic physical and c         |                                                                                                 |
| Physical state                                   | : Solid                                                                                         |
| Appearance                                       | : Crystalline solid.                                                                            |
| Molecular mass                                   | : 74.55 g/mol                                                                                   |
| Colour                                           | : White.                                                                                        |
| Odour                                            | : Odourless.                                                                                    |
| Odour threshold                                  | : No data available                                                                             |
| pH                                               | : 4 - 11 (25 °C)                                                                                |
| Relative evaporation rate (butylacetate=1)       | : No data available                                                                             |
| Melting point                                    | : 770 °C                                                                                        |
| Freezing point                                   | : No data available                                                                             |
| Boiling point                                    | : 1413 °C (1013 hPa)                                                                            |
| Flash point                                      | : Not applicable                                                                                |
| Auto-ignition temperature                        | : Not applicable                                                                                |
| Decomposition temperature                        | : No data available                                                                             |
| Flammability (solid, gas)                        | : No data available                                                                             |
| Vapour pressure                                  | : Not applicable                                                                                |
| Relative vapour density at 20 °C                 | : No data available                                                                             |
| Relative density                                 | : 2 (1.98g /m3; 20 °C)                                                                          |
| Density                                          | : 1.98 g/cm³ (20 °C)                                                                            |
| Solubility                                       | : Soluble in water. Insoluble in oils/fats.<br>Water: 30 g/100ml (20°C)<br>Ethanol: 0.4 g/100ml |
| Log Pow                                          | : -0.46 (Estimated value)                                                                       |
| Viscosity, kinematic                             | : No data available                                                                             |
| Viscosity, dynamic                               | : No data available                                                                             |
| Explosive properties                             | : No data available                                                                             |
| Oxidising properties                             | : No data available                                                                             |
| Explosive limits                                 | : No data available                                                                             |
| 9.2. Other information                           |                                                                                                 |
| Minimum ignition energy                          | : Not applicable                                                                                |
| Saturation concentration                         | : 0 g/m³                                                                                        |
| VOC content                                      | : Not applicable (inorganic)                                                                    |
| Other properties                                 | : Substance has neutral reaction.                                                               |
| SECTION 10: Stability and reactivity             |                                                                                                 |
| 10.1. Reactivity                                 |                                                                                                 |
| On burning: release of toxic and corrosive gases | /vapours (hydrogen chloride).                                                                   |
| 10.2. Chemical stability                         |                                                                                                 |
| No additional information available              |                                                                                                 |
| 10.3. Possibility of hazardous reactions         |                                                                                                 |
| No additional information available              |                                                                                                 |
| 10.4. Conditions to avoid                        |                                                                                                 |
| No additional information available              |                                                                                                 |
| 10.5. Incompatible materials                     |                                                                                                 |
| No additional information available              |                                                                                                 |
| 10.6. Hazardous decomposition products           |                                                                                                 |
| No additional information available              |                                                                                                 |
|                                                  |                                                                                                 |
| 11/11/2016                                       | ENI (English)                                                                                   |

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| <b>SECTION 11: Toxicological info</b> | ECTION 11: Toxicological information |  |  |
|---------------------------------------|--------------------------------------|--|--|
| 11.1. Information on toxicological    | ffects                               |  |  |
| Acute toxicity                        | : Not classified                     |  |  |
|                                       |                                      |  |  |
| Potassium chloride (7447-40-7)        |                                      |  |  |
| LD50 oral rat                         | 2600 mg/kg                           |  |  |
| Skin corrosion/irritation             | : Not classified                     |  |  |
|                                       | рН: 7                                |  |  |
| Serious eye damage/irritation         | : Not classified                     |  |  |
|                                       | pH: 7                                |  |  |
| Respiratory or skin sensitisation     | : Not classified                     |  |  |
| Germ cell mutagenicity                | : Not classified                     |  |  |
| Carcinogenicity                       | : Not classified                     |  |  |
| Reproductive toxicity                 | : Not classified                     |  |  |
| STOT-single exposure                  | : Not classified                     |  |  |
| STOT-repeated exposure                | : Not classified                     |  |  |
| Aspiration hazard                     | : Not classified                     |  |  |
|                                       |                                      |  |  |

| SECTION 12: Ecological information |                                                                                                                                                                                                                                                     |
|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 12.1. Toxicity                     |                                                                                                                                                                                                                                                     |
| Ecology - general                  | : Not classified as dangerous for the environment according to the criteria of Regulation (EC) No 1272/2008.                                                                                                                                        |
| Ecology - air                      | : Not classified as dangerous for the ozone layer (Regulation (EC) No 1005/2009). Not included in the list of fluorinated greenhouse gases (Regulation (EC) No 842/2006). TA-Luft Klasse 5.2.1.                                                     |
| Ecology - water                    | <ul> <li>Slightly harmful to fishes (LC50(96h) 100-1000 mg/l). Slightly harmful to invertebrates<br/>(Daphnia) (EC50 (48h): 100 - 1000 mg/l). Slightly harmful to algae (EC50 (72h) &gt; 100 mg/l).<br/>Not harmful to activated sludge.</li> </ul> |
| Potassium chloride (7447-40-7)     |                                                                                                                                                                                                                                                     |
| LC50 fish 2                        | 2010 mg/l (LC50; 96 h; Lepomis macrochirus)                                                                                                                                                                                                         |
| EC50 Daphnia 2                     | 660 mg/l (EC50; EPA 600/4-90/027; 48 h; Daphnia magna; Static system; Fresh water; Experimental value)                                                                                                                                              |
| Threshold limit algae 2            | > 100 mg/l (ErC50; OECD 201: Alga, Growth Inhibition Test; 72 h; Desmodesmus<br>subspicatus; Static system; Fresh water; Experimental value)                                                                                                        |

#### 12.2. Persistence and degradability

| Potassium chloride (7447-40-7) |                                                                                         |
|--------------------------------|-----------------------------------------------------------------------------------------|
| Persistence and degradability  | Biodegradability: not applicable. No (test)data on mobility of the substance available. |
| ThOD                           | Not applicable (inorganic)                                                              |

#### 12.3. Bioaccumulative potential

| Potassium chloride (7447-40-7) |                                                  |
|--------------------------------|--------------------------------------------------|
| Log Pow                        | -0.46 (Estimated value)                          |
| Bioaccumulative potential      | Low potential for bioaccumulation (Log Kow < 4). |

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Results of PBT and vPvB assessment

No additional information available

#### 12.6. Other adverse effects

No additional information available

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#### SECTION 13: Disposal considerations 13.1. Waste treatment methods

# Product/Packaging disposal recommendations Remove waste in accordance with local and/or national regulations. Precipitate/make insoluble. Immobilize the toxic or harmful components. Remove to an authorized dump. Treat using the best available techniques before discharge into drains or the aquatic environment. Additional information LWCA (the Netherlands): KGA category 05. Can be considered as non hazardous waste according to Directive 2008/98/EC. European List of Waste (LoW) code 06 03 14 - solid salts and solutions other than those mentioned in 06 03 11 and 06 03 13

#### **SECTION 14: Transport information**

In accordance with ADR / RID / IMDG / IATA / ADN

| ADR                         | IMDG             | IATA                         | ADN            | RID            |  |
|-----------------------------|------------------|------------------------------|----------------|----------------|--|
| 14.1. UN numbe              | r                |                              | · · · ·        | ·              |  |
| Not applicable              | Not applicable   | Not applicable               | Not applicable | Not applicable |  |
| 14.2. UN proper             | shipping name    |                              |                |                |  |
| Not applicable              | Not applicable   | Not applicable               | Not applicable | Not applicable |  |
| Not applicable              | Not applicable   | Not applicable               | Not applicable | Not applicable |  |
|                             | hazard class(es) |                              |                |                |  |
| Not applicable              | Not applicable   | Not applicable               | Not applicable | Not applicable |  |
| Not applicable              | Not applicable   | Not applicable               | Not applicable | Not applicable |  |
| 14.4. Packing gr            | oup              |                              |                | · · · · ·      |  |
| Not applicable              | Not applicable   | Not applicable               | Not applicable | Not applicable |  |
| 14.5. Environmental hazards |                  |                              |                |                |  |
| Not applicable              | Not applicable   | Not applicable               | Not applicable | Not applicable |  |
|                             | ÷                | No supplementary information | on available   | ·              |  |

#### 14.6. Special precautions for user

#### - Overland transport

Not applicable

#### - Transport by sea

Not applicable

#### - Air transport

Not applicable

#### - Inland waterway transport

Not applicable

#### - Rail transport

Not applicable

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

#### Not applicable

#### SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Potassium chloride is not on the REACH Candidate List Potassium chloride is not on the REACH Annex XIV List

VOC content

: Not applicable (inorganic)

#### 15.1.2. National regulations

#### Germany

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| VwVwS Annex reference                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | : Water hazard class (WGK) 1, low hazard to waters (Classification according to VwVwS, Annex 1 or 2; ID No. 230)                          |  |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| WGK remark                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | : Classification water polluting in compliance with Verwaltungsvorschrift wassergefährdender<br>Stoffe (VwVwS) of 27 July 2005 (Anhang 2) |  |  |
| 12th Ordinance Implementing the Federal<br>Immission Control Act - 12.BImSchV                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)                                                                        |  |  |
| Netherlands                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                           |  |  |
| SZW-lijst van kankerverwekkende stoffen                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | : The substance is not listed                                                                                                             |  |  |
| SZW-lijst van mutagene stoffen                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | : The substance is not listed                                                                                                             |  |  |
| NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | : The substance is not listed                                                                                                             |  |  |
| NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | : The substance is not listed                                                                                                             |  |  |
| NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | : The substance is not listed                                                                                                             |  |  |
| 15.2. Chemical safety assessment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                           |  |  |
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No additional information available

#### SECTION 16: Other information

| ADN  | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |  |
|------|-------------------------------------------------------------------------------------------------|--|
| ADR  | European Agreement concerning the International Carriage of Dangerous Goods by Road             |  |
| ATE  | Acute Toxicity Estimate                                                                         |  |
| BCF  | Bioconcentration factor                                                                         |  |
| CLP  | Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008                     |  |
| IATA | International Air Transport Association                                                         |  |
| IMDG | International Maritime Dangerous Goods                                                          |  |
| LC50 | Median lethal concentration                                                                     |  |
| LD50 | Median lethal dose                                                                              |  |
| PBT  | Persistent Bioaccumulative Toxic                                                                |  |
| SDS  | Safety Data Sheet                                                                               |  |
| vPvB | Very Persistent and Very Bioaccumulative                                                        |  |
| RID  | Regulations concerning the International Carriage of Dangerous Goods by Rail                    |  |

Data sources

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.

#### SDS ISOLAB

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product