POTASSIUM THIOCYANATE EXTRA PURE MSDS



CAS No: 333-20-0 MSDS

MATERIAL SAFETY DATA SHEET (MSDS)

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

| | KSCN |
|-------------------------|-------------|
| Chemical structure | |
| Product code | : 05458 |
| CAS No | : 333-20-0 |
| | : |
| Product form | : Substance |
| 1.1. Product identifier | |
| | |

| 1.2. Relevant identified uses of | the substance or mixture and uses advised against |
|-------------------------------------|---|
| 1.2.1. Relevant identified uses | |
| Use of the substance/mixture | : Laboratory chemicals, Manufacture of substances |
| | |
| 1.2.2. Uses advised against | |
| No additional information available | |

1.3. Details of the supplier of the safety data sheet

SPAN LAB UNIT NO. 14,SKY INDUSTRIAL ESTATE,WALIV, VASAI (E) 401208 Mumbai - INDIA PH: +91 9820509929 info@spanlab.in www.spanlab.in

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Acute toxicity (dermal), H312 Category 4 Acute toxicity (inhal.), H332 Category 4 Acute toxicity (oral), H302 Category 4 Hazardous to the aquatic H412 environment — Chronic Hazard, Category 3

Full text of classification categories and H statements : see section 16

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Classification according to Directive 67/548/EEC or 1999/45/EC

Xn; R20/21/22 R52/53 R32 Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects No additional information available

| 2.2. Label elements | |
|--|--|
| Labelling according to Regulation (EC) N | No. 1272/2008 [CLP] |
| Hazard pictograms (CLP) | : GHS07 |
| Signal word (CLP) | : Warning |
| Hazard statements (CLP) | H302+H312+H332 - Harmful if swallowed, in contact with skin or if inhaled H412 - Harmful to aquatic life with long lasting effects |
| Precautionary statements (CLP) | : P273 - Avoid release to the environment P280 - Wear protective gloves/protective clothing/eye protection/face protection |
| EUH phrases | : EUH032 - Contact with acids liberates very toxic gas |

2.3. Other hazards

No additional information available

| SECTION 3: Composition | /information on ingredients | |
|------------------------------|------------------------------------|--|
| | | |
| 3.1. Substance | | |
| Name | : POTASSIUM THIOCYANATE Extra Pure | |
| CAS No | : 333-20-0 | |
| | | |
| | | |
| | | |
| Full text of R- and H-phrase | es: see section 16 | |
| | | |
| | | |
| 3.2. Mixture | | |
| Not applicable | | |

| SECTION 4: First aid measures | | |
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4.1. Description of first aid measures

First-aid measures after inhalation

: Remove person to fresh air and keep comfortable for breathing. Give oxygen or artificial respiration if necessary. If you feel unwell, seek medical advice.

Safety Data Sheet

| First-aid measures after skin contact : Immediately call a POISON CENTER or door/physician. Specific measures (see on this back). Wash with plenty of scap and water. Wash contaminated ciothing before reuse. First-aid measures after eye contact :: Renow contact lenses, if present and easy to do. Continue rinsing. Rinse cautously with water for several minutes. If eye intation persists: Cell medical advice/attention. First-aid measures after installation :: Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unveil. 42. Most important symptoms and effects, both acute and delayed Symptomsinjuries after installation :: Harmful if inhaled. Symptomsinjuries after sistin contact :: Harmful in contact with skin. Symptomsinjuries after sistin contact :: Harmful if swallowed. 43. Indication of any immediate medical attention and special treatment needed Treat-symptomatically. SECTION 55 Firefighting measures 54. Extinguishing media : dry chemical powder, alcohol-resistant foam, carbon dioxide (CO2): Unsuitable extinguishing media : dry chemical powder, alcohol-resistant foam, carbon dioxide (CO2): Unsuitable extinguishing media : dry chemical powder, alcohol-resistant foam, carbon dioxide (CO2): Unsuitable extinguishing media : dry chemical powder, alcohol-resistant foam, carbon dioxide (CO2): Unsuitable extinguishing media | Cullety Data Cheet | |
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| with water for several minutes. If eye inflation persists: Get medical advice/attention. First-aid measures after ingestion : Rinse mouth. Call a POISON CENTER or doctry/physician if you feel urwell. 4.2. Most important symptoms and effects, both acute and delayed Symptoms/injuries after inflation : Harmful if inhaled. Symptoms/injuries after skin contact : Harmful if inhaled. Symptoms/injuries after skin contact : Harmful if contact with skin. Symptoms/injuries after skin contact : Harmful if contact with skin. Symptoms/injuries after skin contact : Harmful if contact with skin. Symptoms/injuries after skin contact : Harmful if contact with skin. Symptoms/injuries after skin contact : Harmful if swallowed. 4.3. Indication of any immediate medical attention and special treatment needed Treat symptoms/injuries after singestion : Harmful if swallowed. 5.3. Special hazards arising from the substance or mixture No additional information available 5.3. Advice for firefighters Protection during firefighting : Do not attempt to take action without suitable protective equipment. 5.2. Special hazards arising from the substance or mixture 6.1.1. For non-emergency personnel Emergency procedures : Evacuate unnecessary personnel. 6.1.2. For emergency personnel Emergency procedures : Stop release. 6.2. Environmental precautions, protective equipment and emergency procedures 6.3. Methods and material for containment and cleaning up Methods for cleaning up : Clear up rapidly by socop or vacuum. Minimize generation of dust. 6.4. Reference to other sections No additional information available SECTION 7.8 Harmful is non act in eyes, on skin, or on clothing. Firster or information available SECTION 7.8 Harmful is protective environment and cleaning up Methods for cleaning up : Clear up rapidly by socop or vacuum. Minimize generation of dust. 6.4. Reference to other sections No additional information available SECTION 7.8 Harmful is product. Wash thoroughly affer handling. 7.2. Conditions for safe bandling Proceutions for safe | First-aid measures after skin contact | on this label). Wash with plenty of soap and water. Wash contaminated clothing |
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| | Storage conditions | |
| | 7.3. Specific end use(s) | |
| | | |
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SECTION 8: Exposure controls/personal protection

8.1. **Control parameters**

No additional information available

| 8.2. Exposure controls | |
|--|--|
| Hand protection | : protective gloves |
| Eye protection | : Chemical goggles or safety glasses |
| Skin and body protection | : Wear suitable protective clothing |
| Respiratory protection | : Wear respiratory protection |
| SECTION 9: Physical and chemical prop | erties |
| 9.1. Information on basic physical a | |
| Physical state | : Solid |
| Colour | : Colorless crystals. |
| Odour | : odourless. |
| Odour threshold | : No data available |
| pH | : 5.3 - 8.7 at 97,2 g/l at 25 °C |
| Relative evaporation rate (butylacetate=1) | : No data available |
| Melting point | : 173 °C |
| Freezing point | : No data available |
| Boiling point | : No data available |
| Flash point | : No data available |
| Auto-ignition temperature | : No data available |
| Decomposition temperature | : No data available |
| Flammability (solid, gas) | : No data available |
| Vapour pressure | : No data available |
| Relative vapour density at 20 °C | : No data available |
| Relative density | : No data available |
| Density Solubility | : 1.89 g/cm³ : Water: 97.2 g/l at 20 °C |
| Log Pow | : No data available |
| Viscosity, kinematic | : No data available |
| Viscosity, dynamic | : No data available |
| Explosive properties | : No data available |
| | |

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|--|---|
| Oxidising properties | : No data available |
| Explosive limits | : No data available |
| | |
| 9.2. Other information | |
| No additional information available | |
| SECTION 10: Stability and reactivity | |
| 10.1. Reactivity | |
| No additional information available | |
| 10.2. Chemical stability | |
| Stable under normal conditions. | |
| 10.3. Possibility of hazardous reacti | ons |
| Highly reactive material. Contact with acid | ds liberates very toxic gas. |
| 10.4. Conditions to avoid | |
| Direct sunlight. Air contact. Moisture. | |
| 10.5. Incompatible materials | |
| No additional information available | |
| 10.6. Hazardous decomposition pro | ducts |
| No additional information available | |
| | |
| SECTION 11: Toxicological information | |
| 11.1. Information on toxicological et | facts |
| Acute toxicity | : Dermal: Harmful in contact with skin. Inhalation: Harmful if inhaled. Oral: Harmful if swallowed. |
| | |
| Skin corrosion/irritation | : Not classified pH: 5.3 - 8.7 at 97,2 g/l at 25 °C |
| Serious eye damage/irritation | : Not classified |
| Senous eye damage/imation | pH: 5.3 - 8.7 at 97,2 g/l at 25 °C |
| Respiratory or skin sensitisation | : Not classified |
| Germ cell mutagenicity | : Not classified |
| Carcinogenicity | : Not classified |
| | |
| Reproductive toxicity | |
| | : Not classified |
| Specific target organ toxicity (single exposure) | : Not classified : Not classified |
| Specific target organ toxicity (single | |

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| Potential adverse human health effects and symptoms | s : Harmful if swallowed. Harmful in contact with skin. |
|--|---|
| SECTION 12: Ecological information | h |
| 12.1. Toxicity | |
| Ecology - water | : Harmful to aquatic life with long lasting effects. |
| | |
| 12.2. Persistence and degradabil | lity |
| POTASSIUM THIOCYANATE Extra | Pure (333-20-0) |
| Persistence and degradability | May cause long-term adverse effects in the environment. |
| | |
| 12.3. Bioaccumulative potential | |
| No additional information available | |
| | |
| 12.4. Mobility in soil No additional information available | |
| | |
| 12.5. Results of PBT and vPvB as | ssessment |
| No additional information available | socoment |
| 12.6. Other adverse effects No additional information available | |
| SECTION 13: Disposal consideratio | ns |
| | |
| 13.1. Waste treatment methods Product/Packaging disposal | : Dispose of contents/container to |
| recommendations | |
| SECTION 14: Transport information | |
| In accordance with ADR / RID / IMDG | |
| | |
| 14.1. UN number | |
| UN-No. (ADR) | : Not applicable |
| UN-No. (IMDG) | : Not applicable |
| UN-No.(IATA) | : Not applicable |
| UN-No.(ADN) | : Not applicable |
| UN-No. (RID) | : Not applicable |
| 14.2. UN proper shipping name | |
| Proper Shipping Name (ADR) | : Not applicable |
| Proper Shipping Name (IMDG) | : Not applicable |
| Proper Shipping Name (IATA) | : Not applicable |
| Proper Shipping Name (ADN) | : Not applicable |
| Proper Shipping Name (RID) | : Not applicable |

| 14.3. | Transport | hazard | class | (es) |) |
|-------|-----------|--------|-------|------|---|
| | | | | | |

Data Sh

| Transport hazard class(es) (ADR) : Not applicable IMDG | |
|---|--|
| Transport hazard class(es) (IMDG) : Not applicable IATA : Not applicable Transport hazard class(es) (IATA) : Not applicable ADN : Not applicable Transport hazard class(es) (ADN) : Not applicable RID : Not applicable Transport hazard class(es) (RID) : Not applicable Packing group : Not applicable Packing group (ADR) : Not applicable Packing group (IMDG) : Not applicable | |
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| Transport hazard class(es) (IATA): Not applicableADN Transport hazard class(es) (ADN): Not applicableRID Transport hazard class(es) (RID): Not applicable14.4. Packing group Packing group (ADR): Not applicablePacking group (IMDG): Not applicable | |
| Transport hazard class(es) (IATA): Not applicableADN Transport hazard class(es) (ADN): Not applicableRID Transport hazard class(es) (RID): Not applicable14.4. Packing group Packing group (ADR): Not applicablePacking group (IMDG): Not applicable | |
| Transport hazard class(es) (ADN) : Not applicable RID Transport hazard class(es) (RID) : Not applicable 14.4. Packing group Image: Packing group (ADR) : Not applicable Packing group (IMDG) : Not applicable Image: Packing group (IMDG) | |
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| Packing group (ADR): Not applicablePacking group (IMDG): Not applicable | |
| | |
| | |
| Packing group (IATA) : Not applicable | |
| Packing group (ADN) : Not applicable | |
| Packing group (RID) : Not applicable | |
| 14.5. Environmental hazards | |
| Dangerous for the environment : No | |
| Marine pollutant : No | |
| Other information : No supplementary information available | |
| | |
| 14.6. Special precautions for user | |
| - Overland transport | |
| No data available | |
| - Transport by sea | |
| No data available | |
| - Air transport | |
| No data available | |
| - Inland waterway transport | |
| No data available | |
| - Rail transport | |
| No data available | |
| 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code | |
| Not applicable | |

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

POTASSIUM THIOCYANATE Extra Pure is not on the REACH Candidate List POTASSIUM THIOCYANATE Extra Pure is not on the REACH Annex XIV List

15.1.2. National regulations

Germany

| AwSV/VwVwS Annex reference | : | Water hazard class (WGK) 1, slightly hazardous to water (Classification according to VwVwS, Annex 3; WGK No 2619) |
|---|---|--|
| 12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV | : | Is not subject of the 12. BImSchV (Hazardous Incident Ordinance) |
| Denmark | | |
| Recommendations Danish Regulation | : | Young people below the age of 18 years are not allowed to use the product Pregnant/breastfeeding women working with the product must not be in direct |

contact with the product

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Full text of R-, H- and EUH-phrases:

| Acute toxicity (dermal), Category 4 | |
|--|--|
| Acute toxicity (inhal.), Category 4 | |
| Acute toxicity (oral), Category 4 | |
| Hazardous to the aquatic environment — Chronic Hazard, Category 3 | |
| Harmful if swallowed | |
| Harmful in contact with skin | |
| Harmful if inhaled | |
| Harmful to aquatic life with long lasting effects | |
| Contact with acids liberates very toxic gas | |
| Harmful by inhalation, in contact with skin and if swallowed | |
| Contact with acids liberates very toxic gas | |
| Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment | |
| Harmful | |
| | |

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