

Safety Data Sheet

Sodium tricyanomethanide

Revision Date: 09/25/2012

Date Issued: 2/21/2018

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

| | |
|----------------------------|---|
| Product name | Sodium tricyanomethanide |
| Product code | KI-0049 |
| CAS | 36603-80-2 |
| REACH No. | A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline. |
| Identified uses | Laboratory chemicals, Manufacture of substances |
| Supplier | IoLiTec Ionic Liquids Technologies GmbH Salzstrasse 184 D – 74076 Heilbronn Germany |
| Telephone | +49 (0)7131-89839-0 |
| Fax | +49 (0)7131-89839-109 |
| Emergency telephone | +49 (0)176-84850874 |
| Email | msds@iolitec.de |

2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification (REGULTATION (EC) No 1272/2008)

Acute toxicity (oral), Category 3, H301

Skin corrosion/irritation, Category 2, H315

Serious eye damage/Eye irritation, Category 1, H318

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Classification (67/548/EEC or 1999/45/EC)

Toxic if swallowed.

Irritating to skin.

Risk of serious damage to eyes.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)



Signal Word

Danger

Hazard Statements

H301: Toxic if swallowed.

H315: Causes skin irritation.

H318: Causes serious eye damage.

Precautionary Statements

Precautionary statements on the label will be reduced as indicated in Regulation (EC) No 1272/2008, Article 28.

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

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P310 - Immediately call a POISON CENTER or doctor/physician.

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OTHER HAZARDS

Caution - Substance not yet fully tested. For research and development purposes only.

RESULTS OF PBT AND vPvB ASSESSMENT

Not determined

3 COMPOSITION/INFORMATION ON INGREDIENTS

Substance, Mixture or Article? Substance

| Ingredient name / CAS No. | Contents | Classification | Classification according to Regulation (EC) No 1272/2008 (CLP) |
|--|----------|---------------------|--|
| Sodium tricyanomethanide 36603-80-2 | 95% | T; R25, R38, R41 | Acute Tox.; 3; H301 Skin Irrit.; 2; H315 Eye Dam.; 1; H318 |

4 FIRST AID MEASURES

DESCRIPTION OF FIRST AID MEASURES

Eye Contact:

Rinse immediately with plenty of water for at least 15 minutes. Obtain medical attention immediately.

Skin Contact:

Take off immediately all contaminated clothing. Wear impermeable gloves. Wash immediately with plenty of water and soap. Pay particular attention to skin crevices, nail folds, etc. Do not reuse contaminated clothing without laundering. Do not reuse contaminated leatherware.

Ingestion:

If swallowed, call a physician immediately. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.

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Inhalation:

Remove to fresh air. If breathing is difficult, give oxygen. Apply artificial respiration if patient is not breathing. Obtain medical attention immediately.

5 FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA

Suitable Extinguishing Media:

Use water spray, foam, carbon dioxide or dry chemical to extinguish fires.

SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

Keep containers cool by spraying with water if exposed to fire. Heating or fire can release toxic gas.

ADVICE FOR FIREFIGHTERS

Protective Equipment:

Firefighters, and others exposed, wear self-contained breathing apparatus. Wear full firefighting protective clothing.

See MSDS Section 8 (Exposure Controls/Personal Protection).

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Where exposure level is known, wear approved respirator suitable for level of exposure. Where exposure level is not known, wear approved, positive pressure, self-contained respirator. In addition to the protective clothing/equipment in Section 8 (Exposure Controls/Personal Protection), wear impermeable boots and dust resistant protective clothing.

Environmental Precautions:

Use appropriate containment to avoid environmental contamination.

Methods and material for containment and cleaning up:

Cover spills with some inert absorbent material; sweep up and place in a waste disposal container.

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7 HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

Precautionary Measures: Do not get in eyes, on skin or on clothing. Wash thoroughly after handling. Keep away from heat and flame. Avoid the formation of breathable particles. In case of insufficient ventilation, wear suitable respiratory equipment.

Conditions for safe storage, including any incompatibilities:

Avoid the formation of dust. Precautionary measures against static discharges.

Storage Temperature: room temperature under dry conditions, no direct sunlight

Specific end use(s):

Refer to Section 1 or Exposure Scenario if applicable.

8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

CONTROL PARAMETERS

No values have been established.

EXPOSURE CONTROLS

Engineering Measures:

Utilize a closed system process where feasible.

Where this material is not used in a closed system, good enclosure and local exhaust ventilation should be provided to control exposure.

Respiratory Protection:

In case of dust or aerosols use respiratory protection, half mask with particle filter P2 (DIN EN 143)

Eye protection:

Prevent eye and skin contact.

Provide eye wash fountain and safety shower in close proximity to points of potential exposure.

Wear eye/face protection such as chemical splash proof goggles or face shield.

Skin Protection:

Prevent contamination of skin or clothing when removing protective equipment.

Wear impermeable gloves and suitable protective clothing.

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Hand protection:

Nitrile or fluorinated rubber gloves. Consider the porosity and elasticity data of the glove manufacturer and the specific conditions in the work place. Penetration time >480 min

Additional Advice:

Food, beverages, and tobacco products should not be carried, stored, or consumed where this material is in use. Before eating, drinking, or smoking, wash face and hands thoroughly with soap and water.

9 PHYSICAL AND CHEMICAL PROPERTIES

INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Colour: white

Appearance: solid

Odor: no odor

pH: neutral

Melting Point: no data available

Solubility In Water: soluble

10 STABILITY AND REACTIVITY

Reactivity: No information available

CHEMICAL STABILITY

Stability: Stable

Conditions To Avoid: None known

POSSIBILITY OF HAZARDOUS REACTIONS

Polymerization: Will not occur

Conditions To Avoid: None known

Incompatible materials: not available

Hazardous Decomposition Products: not available

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11 TOXICOLOGICAL INFORMATION

INFORMATION ON TOXICOLOGICAL EFFECTS

Acute toxicity - oral: 50-300 mg/kg (Rat, OECD 420)

Skin corrosion / irritation: Causes skin irritation. (Skinethic Reconstituted Human Epidermal Model)

Serious eye damage / eye irritation: Causes serious eye damage. (Rabbit Enucleated Eye Test)

Respiratory sensitization: Not Classified - Based on available data and/or professional judgment, the classification criteria are not met.

Skin sensitization: Not Classified - Based on available data and/or professional judgment, the classification criteria are not met.

12 ECOLOGICAL INFORMATION

Environmental hazards no data available

13 DISPOSAL CONSIDERATIONS

Disposal method Contact specialist disposal companies. Dispose of in accordance with Local Authority requirements. Recover and reclaim or recycle, if practical.

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14 TRANSPORT INFORMATION

This section provides basic shipping classification information. Refer to appropriate transportation regulations for specific requirements.

ADR/RID/ADN

Dangerous Goods? T

Proper Shipping Name: Toxic solid, organic, n.o.s.

Class: 6.1

UN Number: UN2811

Packing Group: III

Technical Name (N.O.S.): Sodium tricyanomethanide

IMO

Dangerous Goods? T

Proper Shipping Name: Toxic solid, organic, n.o.s.

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ICAO / IATA

Dangerous Goods? T

Proper Shipping Name: Toxic solid, organic, n.o.s.

Class: 6.1

UN Number: UN2811

Packing Group: III

Technical Name (N.O.S.): Sodium tricyanomethanide

15 REGULATORY INFORMATION

Classification methods include one or more of the following: use of specific product data, read-across data, modeling, professional judgment or a component based evaluation.

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Component Risk and Hazard Phrases

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H301: Toxic if swallowed.

H315: Causes skin irritation.

H318: Causes serious eye damage.

R25: Toxic if swallowed.

R38: Irritating to skin.

R41: Risk of serious damage to eyes.

Country specific information

Germany

WGK: 3

(Self-Classification)

16 OTHER INFORMATION

DISCLAIMER

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