

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Sodium tricyanomethanide

Revision Date: 9/23/2022

Date Issued: 9/23/2022

Version: 2

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

1.1 Product identifier

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.

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

Identified uses	Laboratory chemicals, Manufacture of substances
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1.3 Details of the supplier of the safety data sheet

Supplier	IoLiTec Ionic Liquids Technologies GmbH Im Zukunftspark 9 D – 74076 Heilbronn Germany
Telephone	+49 (0)7131-89839-0
Fax	+49 (0)7131-89839-109
Email	msds@iolitec.de

1.4 Emergency telephone number

Emergency telephone	+49 (0)151-41255671
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2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Acute toxicity (oral), Category 3, H301

Skin corrosion/irritation, Category 2, H315

Serious eye damage/Eye irritation, Category 1, H318

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Pictograms



Signal Word

Danger

H-phrases

H301: Toxic if swallowed.
H315: Causes skin irritation.
H318: Causes serious eye damage.

P-phrases

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.

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

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

3 COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Sodium tricyanomethanide

CAS: 36603-80-2

Ingredient name	Contents	Classification
Sodium tricyanomethanide	95%	Acute Tox. oral 3; Skin corr. 2; Eye dam. 1

4 FIRST AID MEASURES

4.1 Description of first aid measures

General

Contaminated clothing should be removed and washed before being reused.

Inhalation

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

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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Skin

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.

Eyes

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

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed

No data available

5 FIRE FIGHTING MEASURES

5.1 Extinguishing media

Use: Water spray, fog or mist. Carbon dioxides (CO₂). Dry chemicals, sand, dolomite etc.

5.2. 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.

5.3. Advice for firefighters

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

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

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6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective clothing and avoid inhalation of vapor, skin or eye contact.

6.2 Environmental precautions

Avoid washing into water courses. Avoid contaminating public drains or water supply.

6.3 Methods and materials for containment and cleaning up

Avoid contact with skin or inhalation of spillage, dust or vapor. Avoid dust formation. Collect and reclaim or dispose in sealed containers in license waste. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate.

6.4 Reference to other sections

For disposal see section 13.

7 HANDLING AND STORAGE

7.1 Precautions for safe handling

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.

7.2 Conditions for safe storage, including any incompatibilities

Avoid the formation of dust. Precautionary measures against static discharges. Room temperature under dry conditions, no direct sunlight

7.3 Specific end use(s)

Refer to Section 1 or Exposure Scenario if applicable.

8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1 Control parameters

No values have been established.

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8.2 Exposure controls

Eye/face 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. 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

Body Protection

Impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

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

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	solid
Color	white
Odor/taste	no odor

9.2 Other safety information

No data available

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10 STABILITY AND REACTIVITY

10.1 Reactivity

No data available

10.2 Chemical stability

Stable

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

None known

10.5 Incompatible materials

not available

10.6 Hazardous decomposition products

not available

11 TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes

Acute toxicity

50-300 mg/kg (Rat, OECD 420)

Skin corrosion/irritation

Causes skin irritation. (Skinethic Recinstituted Human Epidermal Model)

Serious eye damage/eye irritation

Causes serious eye damage. (Rabbit Enucleated Eye Test)

Respiratory or skin sensitization

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

Germ cell mutagenicity

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

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Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity

no data available

Specific target organ toxicity - single exposure

Inhalation - May cause respiratory irritation.

Specific target organ toxicity - repeated exposure

no data available

Aspiration hazard

no data available

11.2 Information on other hazards

Potential health effects

Inhalation May be harmful if inhaled. Causes respiratory tract irritation.

Ingestion May be harmful if swallowed.

Skin May be harmful if absorbed through skin. Causes skin irritation.

Eyes Causes serious eye irritation.

Signs and Symptoms of Exposure

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Additional Information

RTECS: Not available

12 ECOLOGICAL INFORMATION

12.1 Toxicity

No data available

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

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12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects

No data available

13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

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

14 TRANSPORT INFORMATION

14.1 UN number

ADR/RID: 2811

IMDG: 2811

IATA: 2811

14.2 UN proper shipping name

ADR/RID: Toxic solid, organic (Sodium tricyanomethanide)

IMDG: Toxic solid, organic (Sodium tricyanomethanide)

IATA: Toxic solid, organic (Sodium tricyanomethanide)

14.3 Transport hazard class(es)

ADR/RID: 6.1

IMDG: 6.1

IATA: 6.1

14.4 Packaging group

ADR/RID: III

IMDG: III

IATA: III

14.5 Environmental hazards

ADR/RID: no

IMDG Marine pollutant: no

IATA: no

14.6 Special precautions for user

No data available

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15 REGULATORY INFORMATION

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

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.2 Chemical safety assessment

no data available

Country specific information

Germany

WGK: 3

(Self-Classification)

16 OTHER INFORMATION

DISCLAIMER

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