

MATERIAL SAFETY DATA SHEET

Chemical Product

Product Name: 2-THIOBENZINIDAZOLE 99% (For Synthesis)
 CAS#: 583-39-1
 C.I. No.: Not available.
 Synonym: Not available.
 Chemical Name: Not available.
 Chemical Formula: Not available.

Composition and Information on Ingredients

Name	S.K.U	% by Weight
2-THIOBENZINIDAZOLE	GCS-7884	100

Hazards Identification

Classification of the substance or mixture

Classification according to Regulation

(EC) No 1999/45 Classification : Xn;

R20/21/22

Xi; R36/37/38

Hazard Class and Category Code(s), Regulation (EC) No 1272/2008 (CLP)

Health hazards : Specific Target Organ Toxicity - Single exposure - Respiratory tract irritation - Category 3 - Warning (CLP : STOT SE 3) H335
 Acute toxicity, dermal - Category 4 - Warning (CLP : Acute Tox. 4) H312 Acute toxicity, Inhalation - Category 4 - Warning (CLP : Acute Tox. 4) H332 Skin irritation - Category 2 - Warning (CLP : Skin Corr. 2) H315
 Acute toxicity, Oral - Category 4 - Warning (CLP : Acute Tox. 4) H302 Eye irritation - Category 2A - Warning (CLP : Eye Irrit. 2) H319

Other hazards : The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII `` of Regulation REACH.

First Aid Measures

Description of first aid measures

Inhalation

Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell.

Skin contact

Wash contaminated clothing before reuse. Wash with plenty of soap and water. If skin irritation occurs : Specific treatment (see on this label). Get medical advice. Immediately call a POISON CENTER or doctor. Eye contact

Get medical advice. If eye irritation persists : Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes.

Ingestion :

Obtain emergency medical attention. Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor if you feel unwell.

Most important symptoms and effects, both acute and delayed

Symptoms relating to use : Repeated exposure to this material can result in absorption through skin causing significant health hazard. Danger of serious damage to health by prolonged exposure through inhalation. Causes serious eye irritation. Causes skin irritation. May cause respiratory irritation. Swallowing a small quantity of this material will result in serious health hazard.

Indication of any immediate medical attention and special treatment needed

General information : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

Fire and Explosion Data

Extinguishing media

Extinguishing media

Suitable extinguishing media : Foam, Dry powder, Carbon dioxide, Water spray, Sand.

Unsuitable extinguishing media : Do not use a heavy water stream.

Surrounding fires : Use water spray or fog for cooling exposed containers.

Special hazards arising from the substance or mixture

Hazardous combustion products : Under fire conditions, hazardous fumes will be present.

Advice for fire-fighters

Protection against fire protective equipment, : Do not enter fire area without proper including respiratory protection.

Special procedures : Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.

Accidental Release Measures

Personal precautions, protective equipment and emergency procedures For emergency responders with proper protection. : Equip cleanup crew

For non-emergency personnel : Evacuate unnecessary personnel.
Ventilate area.

Environmental precautions

Environmental precautions : Prevent entry to sewers and public waters.
Notify authorities if product enters sewers or public waters.

Methods and materials for containment and cleaning

Clean up methods : On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials.

Reference to other sections

See section 8. Exposure controls/personal protection

Handling and Storage

Precautions for safe handling

Handling : Avoid breathing dust, fume, gas, mist, vapours, spray. Use only outdoors or in a well-ventilated area. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Wash thoroughly after handling.

Technical protective measures prevent formation of : Provide good ventilation in process area to vapour.

Special precautions vapours, spray. : Avoid breathing dust, fume, gas, mist,

Conditions for safe storage, including any incompatibilities

Storage : Keep only in the original container in a cool, well ventilated place. Keep container closed when not in use.
Storage - away from ignition. Direct sunlight. : Strong bases. Strong acids. Sources of

Specific end uses

Specific end use(s) : None.

Exposure Controls/Personal Protection

Personal protection	: Avoid all unnecessary exposure.
• <u>Respiratory protection</u>	: <u>Wear approved mask.</u>
• <u>Hand protection</u>	: <u>Wear protective gloves.</u>
• <u>Skin protection</u>	: <u>Wear suitable protective clothing.</u>
• <u>Eye protection</u>	: <u>Chemical goggles or safety glasses.</u>
• <u>Others</u>	: <u>When using, do not eat, drink or smoke.</u>

Control parameters

Occupational Exposure Limits	: No data available.
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Physical and Chemical Properties

Information on basic physical and chemical properties

Physical state at 20 °C	: Solid
Colour	: White Powder
Odour	: N/A
Odour threshold	: No data available.
pH value	: Not applicable.
Melting point [°C]	: 300 - 304 °C
Decomposition point [°C]	: N/A
Critical temperature [°C]	: N/A
Auto-ignition temperature [°C]	: N/A
Flammability (solid, gas)	: N/A
Flash point [°C]	: N/A
Boiling point [°C]	: N/A
Initial boiling point [°C]	: N/A
Final boiling point [°C]	: N/A
Evaporation rate	: N/A
Vapour pressure [20°C]	: N/A
Vapour pressure mm/Hg	: N/A
Vapour density	: N/A
Density [g/cm ³]	: N/A
Relative density, gas (air=1)	: N/A
Relative density, liquid (water=1)	: N/A
Solubility in water [% weight]	: Slightly soluble in
Solubility in water	: N/A
Log Pow octanol / water at 20°C	: No data available.
Solubility	: N/A
Viscosity at 40°C [mm ² /s]	: N/A
Other information	
Explosive properties	: N/A

Explosion limits - upper [%] : N/A
Explosion limits - lower [%] : N/A
Oxidising properties : No data available.

Stability and Reactivity Data

Reactivity

Reactivity : Not established.

Chemical stability

Chemical stability : Stable under recommended storage conditions.

Possibility of
hazardous
reactions

Hazardous
reactions : Not
established.

Conditions to avoid

Conditions to avoid : Direct sunlight. Extremely high or low temperatures.

Incompatible materials

Materials to avoid : Strong acids. Strong bases.

Hazardous decomposition products

Hazardous decomposition products : Fumes. Carbon monoxide. Carbon dioxide.

Toxicological Information

Information on toxicological effects

Acute toxicity

- Inhalation : Harmful if inhaled.
- Dermal : Harmful in contact with skin.
- Ingestion : Harmful if swallowed.

Corrosion : Based on available data, the classification criteria are not met.

Irritation : Causes serious eye irritation.

Sensitization : Causes skin irritation.
May cause respiratory irritation.
: Based on available data, the classification criteria are not met.

Mutagenicity : Based on available data, the classification criteria are not met. Carcinogenicity : Based on available data, the classification criteria are not met. Toxic for reproduction : Based on available data, the classification criteria are not met.

STOT-single exposure : Based on available data, the classification criteria are not met. STOT-repeated exposure : Based on available data, the classification criteria are not met. Aspiration hazard : Based on available data, the classification criteria are not met.

Ecological Information

Toxicity

Toxicity information : Very toxic to aquatic life.

Persistence – degradability

Persistence - degradability : Biodegradable.

Bioaccumulative potential

Bioaccumulative potential :

Not established.

Mobility in soil

Mobility in soil : Not established.

Results of PBT and vPvB assessment

Results of PBT and vPvB assessment : The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

Other adverse effects

Environmental precautions : Avoid release to the environment.

Disposal Considerations

Waste treatment methods

General : Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations. Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

Transformation Information

Land transport (ADR-RID)

UN N°	2811
H.I. nr	60
ADR - Class	: 6.1
Labelling - Transport	: 6.1 : Toxic substances.
ADR - Group	III

Sea transport (IMDG) [English only]

UN N°	2811
IMO-IMDG - Class or division	: 6.1 : Toxic substances.
IMO-IMDG - Packing group	III

Air transport (ICAO-IATA)

[English only] UN N°	2811
IATA - Class or division	: 6.1 : Toxic substances.
IATA - Packing group	III

Other Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture Safety, health and environmental : Ensure all national/local regulations are observed.

regulations/legislation specific for the substance or mixture

REACH Restrictions - Annex XVII : The components of this product are not subject to restrictions. REACH Authorisation - Annex XIV : The components of this product are not subject to authorization. Chemical Safety Assessment
Chemical Safety Assessment : It has not been carried out.



Additional Information

References: Not available.

Other Special Considerations: Not available.

Disclaimer:

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