

MATERIAL SAFETY DATA SHEET

Chemical Product

Product Name: 2-MERCAPTO BENZOTHAZOLE ACID AR
 CAS#: 149-30-4
 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-MERCAPTO BENZOTHAZOLE ACID AR	GCS-8443	100

Hazards Identification

Classification of the substance or mixture

Classification according to Regulation

(EC) No 1999/45 Classification : R43
 N; R50-53

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

Health hazards : Skin sensitisation - Category 1 - Warning (CLP : Skin Sens.
 1) H317

Environmental hazards : Hazardous to the aquatic environment - Acute hazard -
 Category 1 - Warning (CLP: Aquatic Acute 1)
 H400Hazardous to the aquatic environment - Chronic
 hazard - Category 1 - Warning (CLP : Aquatic Chronic 1)
 H410

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

Assure fresh air breathing. Allow the victim to rest.

Skin contact

Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Get medical advice. Specific treatment (see on this label). If skin irritation or rash occurs : Wash with plenty of soap and water. Wash contaminated clothing before reuse.

Eye contact

Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.

Ingestion :

Obtain emergency medical attention. Rinse mouth. Do NOT induce vomiting.

Most important symptoms and effects, both acute and

delayed Symptoms relating to use : May cause
an allergic skin reaction.

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 : Do not enter fire area without proper
protective equipment,
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 : Equip cleanup crew

with proper protection.

For non-emergency personnel

Ventilate area.

: Evacuate unnecessary personnel.

Environmental precautions

Environmental precautions

: Prevent entry to sewers and public waters.

Notify authorities

product enters
sewers or
public waters.
Avoid release
to the
environment.

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

: Wash hands and other exposed areas

with mild soap and water before eat, drink or smoke and when leaving work. Avoid breathing dust, fume, gas, mist, vapours, spray. Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace.

Technical protective measures

: Provide good ventilation in process area to

prevent formation of

vapour.

Special precautions

: Avoid breathing dust, fume, gas, mist,

vapours, spray.

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	: Light yellow
Odour	: Odorless
Odour threshold	: No data available.
pH value	: Not applicable.
Melting point [°C]	: 177-181 °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]	: 243 °C
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]	: Insoluble in water
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 : Based on available data, the classification criteria are not met.
- Dermal : Based on available data, the classification criteria are not met.
- Ingestion : Based on available data, the classification criteria are not met.

Corrosion : Based on available data, the classification criteria

are not met.

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

Sensitization : May cause an allergic skin reaction.

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 with long lasting effects.

Persistence – degradability

Persistence - degradability : May cause long-term adverse effects in the environment.

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)

Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
 UN N° 3077
 H.I. nr 90
 ADR - Class 9
 Labelling - Transport : 9 : Miscellaneous dangerous substances and articles.
 ADR - Group III

Sea transport (IMDG) [English only]

Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
 UN N° 3077
 IMO-IMDG - Class or division : 9 : Miscellaneous dangerous substances and articles.
 IMO-IMDG - Packing group III

Air transport (ICAO-IATA) [English only]

Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
 UN N° 3077
 IATA - Class or division : 9 : Miscellaneous dangerous substances and articles.
 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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