

MATERIAL SAFETY DATA SHEET

Chemical Product

Product Name: INDOLE-3-CARBOXYLIC ACID AR

CAS#: 771-50-6

Synonym: Not Available.

Chemical Name: Indole-3-Carboxylic Acid AR

Chemical Formula: C₉H₇NO₂

Composition and Information on Ingredients

| Name | S.K.U | % by Weight |
|-----------------------------|----------|-------------|
| INDOLE-3-CARBOXYLIC ACID AR | GCS-5247 | 100 |

Hazards Identification

Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008. This substance is not classified as dangerous according to Directive 67/548/EEC.

Label elements:

The product does not need to be labelled in accordance with EC directives or respective national laws.

Other hazards: None

First Aid Measures

Description of first aid measures:

If inhaled: If breathed in, move person into fresh air. If not breathing, give artificial respiration. In case of skin contact: Wash off with soap and plenty of water.

In case of eye contact: Flush eyes with water as a precaution.

If swallowed: Never give anything by mouth to an unconscious person. Rinse mouth with water.

Most important symptoms and effects, both acute and delayed

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

Indication of any immediate medical attention and special treatment needed: No data

available.

Fire and Explosion Data

Extinguishing media

Suitable extinguishing media:

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture: Carbon oxides, nitrogen oxides (NO_x).

Advice for firefighters: Wear self contained breathing apparatus for fire fighting if necessary.

Further information: No data available.

Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

Avoid dust formation. Avoid breathing vapors, mist or gas.

Environmental precautions: Do not let product enter drains.

Methods and materials for containment and cleaning up:

Sweep up and shovel. Keep in suitable, closed containers for disposal.

Handling and Storage

Precautions for safe handling:

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

Conditions for safe storage, including any incompatibilities:

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Exposure Controls/Personal Protection

Control parameters

Components with workplace
control parameters Exposure
controls

Appropriate engineering controls: General industrial hygiene practice.

Personal protective equipment

Eye/face protection: Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact

with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body Protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Physical and Chemical Properties

| | |
|--|----------------------|
| Appearance Form | : Crystalline |
| Colour | : Light Brown |
| Odour | : No data available |
| Odour Threshold | : No data available. |
| Molecular Weight | : 161.16 g/mole |
| pH | : No data available |
| Melting point | : 232-234 °C - lit. |
| Boiling range | : No data available. |
| Flash point | : No data available. |
| Evaporation rate | : No data available. |
| Flammability (solid, gas) : | |
| No data available. | |
| Explosive limits | : No data available. |
| Vapour pressure | : No data available. |
| Vapour density | : No data available. |
| Relative density | : No data available. |
| Water solubility | : |
| No data available. | |
| Partition coefficient: noctanol/water: | No |
| data available. | |
| Autoignition temperature | : |
| No data available. | |
| Decomposition temperature | : No data available. |
| Viscosity | : No data available. |
| Explosive properties | : No data available |

Stability and Reactivity Data

Stability: The

product is stable.

Instability

Temperature:

Not available.

Chemical stability: No data available

Possibility of hazardous reactions: No data available

Conditions to avoid: No data available

Incompatible materials: Strong oxidizing agents, Strong reducing agents

Hazardous decomposition products

Other decomposition products - no data available.

Toxicological Information

Information on
toxicological
effects Acute
toxicity: No data
available.

Skin corrosion/irritation: No data available.

Serious eye damage/eye irritation:

No data available. Respiratory or
skin sensitization: No data

available. Germ cell mutagenicity:
No data available.

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: No data

available. Specific target organ toxicity - repeated

exposure: No data available. Aspiration hazard: No

data available.

Potential health effects

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

Ingestion May be harmful if swallowed.

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

Eyes May cause eye irritation.

Signs and Symptoms of Exposure:

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

Ecological Information

Toxicity: No data available.

Persistence and degradability: No data available.

Bioaccumulative potential: No data available.

Mobility in soil: No data available.

Results of PBT and vpvb assessment: No data available.

Other adverse effects: No data available.

Disposal Considerations**Waste treatment methods**

Product: Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging: Dispose of as unused product.

Transformation Information

Land transport (ADR-RID)

General information: Not regulated.

Sea transport (IMDG) [English only]

General information: Not regulated.

Air transport (ICAO-IATA) [English only]

General information: Not regulated.

Other Regulatory Information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006. Safety, health and environmental regulations/legislation specific for the substance or mixture: No data available.

Chemical Safety Assessment: No data available.



Additional Information

References: Not available.

Other Special Considerations: Not available.

Disclaimer:

The information contained herein in good faith but makes no representations as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.

 **makes no representations or warranties, either express or implied, including without limitation any warranties of merchantability, fitness for a particular purpose with respect to the information set forth herein or the product to which the information refers. Accordingly,**  **will not be responsible for damages resulting from use of or reliance upon this information.**