



SAFETY DATA SHEET

DATE: 26th September 2024

1. Identification

Product Name: Isoniazid

CAS Number: 54-85-3

Recommended use/Use advised against: No information available

Details of the Australian Supplier:

Astral Scientific Pty Ltd
29 Mangrove Lane
Taren Point NSW 2229

Company Phone Number: 02 9540 2055

Email Address: support@astralscientific.com.au

Emergency Telephone Number: 13 11 26

2. Hazard(s) Identification

Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Label Elements

Signal Word: Warning

Hazard Statements: H302 Harmful if swallowed. H315 Causes skin irritation.



Precautionary Statements: PREVENTION P264 Wash skin thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P280 Wear protective gloves. RESPONSE P301+P312+P330 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Rinse mouth. P302+P352 IF ON SKIN: Wash with plenty of water. P332 + P313 If skin irritation occurs: Get medical advice/ attention. P362 + P364 Take off contaminated clothing and wash it before reuse. DISPOSAL P501 Dispose of contents/ container to an approved waste disposal plant.

3.Composition / Information on ingredients

Component	Classification	Purity / Weight %
4-pyridinecarboxylic hydrazide	Acute Tox. 4; Skin Corr./Irrit. 2; H302, H315	<= 100 %

4.First-aid measures

General Advice	If symptoms persist, call a physician.
Eye Contact	Rinse immediately with plenty of water, also under the eyelids. Remove contact lenses.
Skin Contact	Take off immediately all contaminated clothing. Rinse skin with water/ shower.
Inhalation	Remove to fresh air.
Ingestion	Immediately make victim drink water (two glasses at most). Consult a physician.
Most important symptoms/effects	The most important known symptoms and effects are described in the labelling (see section 2) and/or section 11.
Notes to physician	Treat symptomatically

5.Fire-fighting measures

Suitable extinguishing media	Water spray, carbon dioxide (CO ₂), dry powder
Unsuitable extinguishing media	No information available
Flash Point	No information available
Method	No information available
Autoignition temperature	No information available
<u>Explosion limits</u>	
Upper	No information available
Lower	No information available
Sensitivity to mechanical impact	No information available
Sensitivity to static discharge	No information available

Specific hazards arising from the chemical

Carbon oxides

Nitrogen oxides (NO_x)

Combustible.

Development of hazardous combustion gases or vapours possible in the event of fire.

Hazardous combustion products

No information available

Protective equipment and precautions for firefighters

Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.

6. Accidental release measure

Personal precautions

Advice for non-emergency personnel: Avoid inhalation of dusts. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert. For personal protection see section 8.

Environmental precautions

Do not let product enter drains.

Methods for containment/clean-up

Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.

7. Handling and storage

Handling

For precautions see section 2.

Storage

Store below 25°C, Protect from moisture and light. Keep container tightly closed in a dry place.

8. Exposure controls / personal protection

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). Safety glasses.

Skin and body protection

Wear appropriate protective gloves and clothing to prevent skin exposure.

Respiratory protection

Required when dusts are generated. Use a approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Hygiene measures Handle in accordance with good industrial hygiene and safety practice.

9. Physical and chemical properties

Physical state	Powder
Appearance	White
Odor	No information available
Odor threshold	No information available
pH	No information available
Melting point/range	171 - 173 °C - lit.
Boiling point/range	No information available
Flash point	No information available
Evaporation rate	Not applicable
Flammability (solid, gas)	No information available
Flammability or explosive elements	No information available
Upper	No information available
Lower	No information available
Vapor pressure	No information available
Vapor density	Not applicable
Specific gravity	No information available
Solubility	No information available
Partition coefficient; n-octanol/water	No data available
Autoignition temperature	No information available
Decomposition temperature	No information available
Viscosity	Not applicable

10. Stability and reactivity

Reactive hazard	None known, based on information available
Stability	Stable under normal conditions (room temperature)
Conditions to avoid	No information available
Incompatible materials	No information available
Hazardous decomposition products	No information available
Hazardous polymerization	No information available

Hazardous reactions None under normal processing

11.Toxicological information

Acute Toxicity

Product information / Component information

LD50 Oral - Rat - 1,097.7 mg/kg

Remarks: (RTECS) Inhalation: No data available

Dermal: No data available

Toxicologically synergistic products No information available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Irritation Skin - Rabbit Result: slight irritation - 24 h Remarks: (RTECS)

Sensitization No information available

Carcinogenicity This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification.

Mutagenic effects No information available

Reproductive effects No information available

Developmental effects No information available

Teratogenicity No information available

STOT – single exposure No information available

STOT – repeated exposure No information available

Aspiration hazard No information available

Endocrine disruptor information No information available

Other adverse effects The toxicological properties have not been fully investigated.

12.Ecological information

Ecotoxicity

No information available

Persistence and degradability No information available

Bioaccumulation/accumulation No information available

Mobility No information available

13. Disposal considerations

Waste disposal methods

Waste material must be disposed of in accordance with the national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself.

14. Transport information

DOT	Not dangerous goods
TDG	Not dangerous goods
IATA	Not dangerous goods
IMDG/IMO	Not dangerous goods

15. Regulatory information

Standard for the Uniform Scheduling of Medicines and Poisons

Revision date 26th September 2024

Revision Note No information available.

Disclaimer

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End of Safety Data Sheet