



SAFETY DATA SHEET

DATE: 29th October 2024

1. Identification

Product Name: Monobenzene USP

CAS Number: 103-16-2

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)

Serious eye damage/eye irritation (Category 2), H319 Skin sensitization (Category 1), H317

Label Elements

Signal Word: Warning

Hazard Statements: H317 May cause an allergic skin reaction. H319 Causes serious eye irritation.



Precautionary Statements: PREVENTION: P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray. P264 Wash skin thoroughly after handling. P272 Contaminated work clothing should not be allowed out of the workplace. P280 Wear protective gloves/ eye protection/ face protection. RESPONSE: P302+P352 IF ON SKIN: Wash with plenty of water. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention. P337 +

P313 If eye irritation persists: 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	CAS #	Purity / Weight %
Monobenzene	103-16-2	<= 100 %

4.First-aid measures

General Advice	Show SDS to doctor in attendance.
Eye Contact	Rinse immediately with plenty of water, remove contact lenses.
Skin Contact	Take off contaminated clothing. Shower/Wash off immediately with plenty of water.
Inhalation	Remove to fresh air.
Ingestion	Immediately make victim drink water (two glasses at most). Consult doctor.

Most important symptoms/effects The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11

Notes to physician No data available

5.Fire-fighting measures

Unsuitable extinguishing media	For this substance/mixture no limitations of extinguishing agents are given.
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

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. Prevent fire extinguishing water from contaminating surface water or the ground water system.

6.Accidental release measure

Personal precautions

Use personal protective equipment as required. Ensure adequate ventilation. Avoid dust formation. Avoid substance contact. 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

Wear personal protective equipment/face protection. Ensure adequate ventilation. Do not get in eyes.

Storage

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

8.Exposure controls / personal protection

Personal protective equipment

Eye/Face protection

Wear appropriate protective eyeglasses or chemical safety goggles as described by oSHA's eye and face protection regulations in 29 CFR 1910. 133 or European Standard EN166.

Skin and body protection

Wear appropriate protective gloves and clothing to prevent skin exposure.

Respiratory protection

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	Crystalline
Appearance	Light brown
Odor	No information available
Odor threshold	No information available
pH	No information available
Melting point/range	120 - 122 °C
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	
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	No information available
Stability	Stable under normal conditions
Conditions to avoid	No information available
Incompatible materials	Strong oxidizing agents, strong bases
Hazardous decomposition products	In the event of fire: see section 5
Hazardous polymerization	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 regulated
TDG	Not regulated
IATA	Not regulated
IMDG/IMO	Not regulated

15. Regulatory information

Standard for the Uniform Scheduling of Medicines and Poisons: No poisons schedule number allocated.

Revision date 29th October 2024

Revision Note No information available.

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet