



SAFETY DATA SHEET

DATE: 10th July 2024

1. Identification

Product Name: EFLORNITHINE HYDROCHLORIDE

CAS Number: 96020-91-6

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

Not a hazardous substance or mixture.

Label Elements

Signal Word: Not a hazardous substance or mixture.

Hazard Statements: Not a hazardous substance or mixture.



GHS OK

Precautionary Statements: Not a hazardous substance or mixture.

3. Composition / Information on ingredients

Component	CAS #	Molecular Weight
EFLORNITHINE HYDROCHLORIDE	96020-91-6	236.64 g/mol

4.First-aid measures

General Advice	If symptoms persist, call a physician.
Eye Contact	Flush eyes with water as a precaution.
Skin Contact	Wash off with soap and plenty of water.
Inhalation	If breathed in, move person into fresh air. If not breathing, give artificial respiration.
Ingestion	Never give anything by mouth to an unconscious person. Rinse mouth with water.
Most important symptoms/effects	The most important known symptoms and effects are described in the labelling (see section 2)
Notes to physician	Treat symptomatically

5.Fire-fighting measures

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
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 (NOx), Hydrogen chloride gas, Hydrogen fluoride

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6.Accidental release measure

Personal precautions	Use personal protective equipment as required. Ensure adequate ventilation. Avoid dust formation.
-----------------------------	---

Environmental precautions	No special environmental precautions required.
Methods for containment/clean-up	Sweep up and shovel into suitable containers for disposal. Keep in suitable, closed containers for disposal.

7. Handling and storage

Handling	Wear personal protective equipment/face protection. Ensure adequate ventilation. Do not get in eyes.
Storage	Keep container tightly closed in a dry and well-ventilated place. Recommended storage temperature - Store below 25°C, Protect from moisture and light.

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. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
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).
Hygiene measures	Handle in accordance with good industrial hygiene and safety practice.

9. Physical and chemical properties

Physical state	Crystalline Powder
Appearance	No information available
Odor	No information available
Odor threshold	No information available
pH	No information available
Melting point/range	Melting point/freezing point: 181 - 184 °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
Hazardous decomposition products	In the event of fire, see section 5

11.Toxicological information

Acute Toxicity

Product information / Component information

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
Eflornithine HCl	No information available	No information available	No information available

Toxicologically synergistic products No information available

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

Irritation	No information available
Sensitization	No information available
Carcinogenicity	No information available

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
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 Offer surplus and non-recyclable solutions to a licensed disposal company. Dispose of as unused product.

14. Transport information

DOT Not dangerous goods

TDG Not dangerous goods

IATA Not dangerous goods

IMDG/IMO Not dangerous goods

15. Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture
Standard for the Uniform Scheduling of Medicines and Poisons : No poison schedule number allocated

Revision date 10th July 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