



SAFETY DATA SHEET

DATE: 12th December 2025

1. Identification

Product Name: Buspirone HCl

CAS Number: 33386-08-2

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)

Label Elements

Signal Word: Danger

Hazard Statements: H301 Toxic if swallowed



Precautionary Statements: Prevention P264 Wash skin thoroughly after handling. P270 Do not eat, drink or smoke when using this product. Response P301 + P310 + P330 IF SWALLOWED: Immediately call a poison centre or doctor. Rinse mouth. Storage P405 Store locked up. Disposal P501 Dispose of contents/ container to an approved waste disposal plant.

3.Composition / Information on ingredients

| Component | CAS # | Purity / Weight % |
|--|------------|-------------------|
| 8-[4-[4-(2-Pyrimidinyl)-1-piperazinyl]butyl]-8-azaspiro[4.5]decane-7,9-dione monohydrochloride | 33386-08-2 | <= 100 % |

4.First-aid measures

| | |
|--|---|
| General Advice | Show this material safety data sheet to the doctor in attendance. |
| Eye Contact | Rinse out with plenty of water. Remove contact lenses. Get medical attention. |
| Skin Contact | Take off immediately all contaminated clothing. Rinse skin with water/ shower. Consult a physician. |
| Inhalation | Remove to fresh air. Get medical attention if symptoms occur. |
| Ingestion | Give water to drink (two glasses at most). Seek medical advice immediately. Never give anything by mouth to an unconscious person. In exceptional cases only, if medical care is not available within one hour, induce vomiting (only in persons who are wide awake and fully conscious). |
| 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 | 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 (NOx)

Hydrogen chloride gas

Combustible.

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

Hazardous combustion products

See section 5

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

Avoid inhalation of dusts. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert.

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 carefully. Dispose of properly. Clean up affected area. Avoid generation of dusts.

7.Handling and storage

Handling

See section 2.

Storage

Store below 30°C. Tightly closed. Dry. Keep in a well-ventilated place. Keep locked up or in an area accessible only to qualified or authorised persons

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 | Solid |
| Appearance | No information available |
| Odor | No information available |
| Odor threshold | No information available |
| pH | No information available |
| Melting point/range | No information available |
| Boiling point/range | No information available |
| Flash point | No information available |
| Evaporation rate | No information available |
| 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 | No information available |
| Specific gravity | No information available |
| Solubility | No information available |
| Partition coefficient; n-octanol/water | No information available |
| Autoignition temperature | No information available |
| Decomposition temperature | No information available |
| Viscosity | No information available |

10. Stability and reactivity

| | |
|---|--|
| Reactive hazard | None known, based on information available |
| Stability | Stable under normal conditions |
| Conditions to avoid | No information available |
| Incompatible materials | Strong oxidizing agents |
| Hazardous decomposition products | See section 5 |

Hazardous polymerization No information available

Hazardous reactions No information available

11.Toxicological information

Acute Toxicity

Product information / Component information

| Component | LD50 Oral | LD50 Dermal | LC50 Intraperitoneal |
|---------------|-----------------|--------------------------|----------------------|
| Buspirone HCl | Rat - 196 mg/kg | No information available | Mouse - 146 mg/kg |

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

Endocrine disruptor information No information available

Other adverse effects No information available

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 regulated |
| TDG | Not regulated |
| IATA | Not regulated |
| IMDG/IMO | Not regulated |

15. Regulatory information**International Inventories**

TSCA Not listed

Note *Contact supplier for details. One or more substances in this product are either not listed on the US TSCA inventory, listed on the confidential US TSCA inventory or are otherwise exempted from inventory listing requirements

DSL/NDSL Complies

EINECS/ELINCS Complies

ENCS This product complies with ENCS:

IECSC This product does not comply with china:

KECL Does not Comply

PICCS Does not Comply

AICS All the constituents of this material are listed on the Australian Inventory of Chemical Substances (AICS).

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

US Federal Regulations**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40

CFR 122.42).

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive

Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and

Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level

pertaining to releases of this material.

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

This product does not contain any substances regulated under applicable state right-to-know regulations

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

Revision date 12th December 2025

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