



## MATERIAL SAFETY DATA SHEET

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Issue Date: 06/02/2024.

### 1- Chemical Product Information and Company Identification.

**Product Name:** : Diazaspiro HCl.  
**Synonym:** : 2-Butyl-1,3-diazaspiro[4.4]non-1-en-4-one Hydrochloride.  
**Product code:** : BS14453.  
**CAS Number:** : 151257-01-1.  
**Company Name:** : Briti Scientific.  
**Company Address:** : Plot No:78/B/13, SY-79,Phase-VI, Jeedimetla,Hyderabad-500 055.  
Telangana, India.

### Section 2- Composition / Information on Ingredients.

CAS No.	Chemical Name	Mol. Formula
151257-01-1.	2-Butyl-1,3-diazaspiro[4.4]non-1-en-4-one Hydrochloride.	C <sub>11</sub> H <sub>18</sub> N <sub>2</sub> O·HCl.

### Section 3- Hazards Identification.

#### Classification

Classification under 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin corrosion/irritation: Category 2  
Serious eye damage/eye irritation: Category 2A  
Specific target organ toxicity-single exposure: Category 3  
Respiratory system

#### Label Elements

Signal word:

Warning



#### Hazard statement(s):

H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.

#### Precautionary Statement(s):

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.



**P305+351+338 IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**P302+352 IF ON SKIN:** wash with plenty of soap and water.

#### Section 4- First Aid Measures.

**Eye Contact:** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention if symptoms occur.

**Skin Contact:** Wash off immediately with plenty of water for at least 15 minutes. Get medical attention if symptoms occur.

**Inhalation:** Remove to fresh air. If not breathing, give artificial respiration. Get medical attention if symptoms occur.

**Ingestion:** Do NOT induce vomiting. Get medical attention.

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

**Most important symptoms and effects:** No information available.

**Notes to Physician:** Treat symptomatically.

#### Section 5- Fire Fighting Measures.

**Suitable Extinguishing Media:** Use carbon dioxide, dry chemical powder, alcohol-resistant or polymer foam.

**Unsuitable Extinguishing Media:** Wear self-contained breathing apparatus for fire-fighting if necessary.

**Flash Point:** No information available.

**Method -** No information available.

**Autoignition Temperature:** No information available.

##### **Explosion Limits**

Upper No data available

Lower No data available

**Sensitivity to Mechanical Impact:** No information available.

**Sensitivity to Static Discharge:** No information available.

#### Section 6- Accidental Release Measures.

**Personal Precautions:** Ensure adequate ventilation. Use personal protective equipment as required. Avoid dust formation.

**Environmental Precautions:** Should not be released into the environment. See Section 12 for additional Ecological Information.

##### **Methods for Containment and Clean Up:**

Absorb spills on sand or vermiculite and place in closed container for disposal.



## Section 7- Handling and Storage.

**Handling:** Ensure adequate ventilation. Wear personal protective equipment/face protection. Avoid contact with skin, eyes or clothing. Avoid ingestion and inhalation. Avoid dust formation.

**Storage:** Keep containers tightly closed in a dry, cool and well-ventilated place. Incompatible Materials. Strong oxidizing agents.

## Section 8- Exposure Control/Personal Protection.

**Exposure Guidelines:** This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

**Engineering Measures:** Use only in a chemical fume hood.

### **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:** No protective equipment is needed under normal use conditions.

### **Hygiene Measures:**

Handle in accordance with good industrial hygiene and safety practice.

## Section 9- Physical and Chemical Properties.

**Appearance:** White to Almost white powder to crystal.

**Odor:** No information available.

**Odor Threshold:** No information available.

**pH:** No information available.

**Melting Point/Range:** 240 °C.

**Boiling Point/Range:** 328.6 °C.

**Flash Point:** No information available.

**Evaporation Rate:** No information available.

**Flammability (solid,gas):** Not applicable.

### **Flammability or explosive limits**

Upper No information available.

Lower No information available.

**Vapor Pressure:** No information available.

**Density:** No information available.

**Solubility:** Soluble in water.

**Partition coefficient; n-octanol/water:** No data available.

**Autoignition Temperature:** No data available.

**Decomposition Temperature:** No data available.

**Viscosity:** No data available.



**Molecular formula:** C<sub>11</sub>H<sub>18</sub>N<sub>2</sub>O·HCl.

**Molecular Weight:** 230.74 g/mol.

### Section 10- Stability and Reactivity.

**Reactive Hazard:** None known, based on information available.

**Stability:** Stable under normal conditions.

**Conditions to Avoid:** strong oxidizer; strong acid.

**Materials to avoid:** Heat, Flame and sparks.

**Hazardous Polymerization:** Hazardous polymerization does not occur.

**Hazardous Reactions:** None under normal processing.

### Section 11- Toxicological Information.

#### **Acute Toxicity**

**Product Information:** No acute toxicity information is available for this product.

**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.

**Mutagenic Effects:** No information available.

**Reproductive Effects:** No information available.

**Developmental Effects:** No information available.

**Teratogenicity:** No information available.

STOT - single exposure None known

STOT - repeated exposure None known

**Aspiration hazard:** No information available.

**Symptoms / effects, both acute and delayed:** No information available.

**Endocrine Disruptor Information:** No information available.

**Other Adverse Effects:** The toxicological properties have not been fully investigated.

### Section 12- Ecological Information.

**Ecotoxicity:** No information available.

**Persistence and Degradability:** No information available.

**Bioaccumulation/ Accumulation:** No information available.

**Mobility:** No information available.

### Section 13- Disposal Considerations.

**Waste Disposal Methods:** Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.



### Section 14- Transport Information.

**DOT:** Not regulated  
**TDG:** Not regulated  
**IATA:** Not regulated  
**IMDG/IMO:** Not regulated

### Section 15- Regulatory Information.

**Legend:**

TSCA - Toxic Substances Control Act, (40 CFR Part 710).

X - Listed

'-' - Not Listed

**TSCA 12(b)** - Notices of Export Not applicable.

**U.S. Federal Regulations**

SARA 313: Not applicable.

SARA 311/312 Hazard Categories See section 2 for more information.

CWA (Clean Water Act): Not applicable.

**Clean Air Act:** Not applicable.

**OSHA** - Occupational Safety and

Health Administration: Not applicable.

**CERCLA:** Not applicable.

**California Proposition 65:** This product does not contain any Proposition 65 chemicals.

### Section 16- Other Information.

Briti Scientific provides the information contained herein in good faith but makes no representation 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.

