

MATERIAL SAFETY DATA SHEET

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Section 1- Chemical Product Information and Company Identification.

Product Name: : Ranitidine Impurity C.
Synonym: : Ranitidine related compound C; Ranitidine S-Oxide ; N-[2-[[[5-[(dimethylamino)methyl]furan-2-yl)methyl]sulfinyl]ethyl]-N'-methyl-2-nitroeth-1-ene-1,1-diamine ; N-{2-[[{5-[(Dimethylamino)methyl]-2-furanyl)methyl]sulfinyl}ethyl]-N'-methyl-2-nitro-1,1-ethenediamine.
Product code: : BS16663.
CAS Number: : 73851-70-4.
Company Name: : Briti Scientific.
Company Address: : Plot No:78/B/13, SY-79,Phase-VI, Jeedimetla,Hyderabad-500 055. Telangana, India.

Section 2- Hazards Identification.

Classification

No information available.

Label Elements

Signal Word

No information available.

Hazard Statements

No information available.

Precautionary Statements

Prevention

No information available.

Hazards not otherwise classified (HNOC)

None identified

Section 3- Composition / Information on Ingredients.

CAS No.	Chemical Name	Mol. Formula
73851-70-4.	N-[2-[[[5-[(Dimethylamino)methyl]furan-2-yl)methyl]sulfinyl]ethyl]-N'-methyl-2-nitroethene-1,1-diamine	C ₁₃ H ₂₂ N ₄ O ₄ S.

Section 4- First Aid Measures.

General Advice: If symptoms persist, call a physician.

Eye Contact: Rinse immediately with plenty of water

Skin Contact: Wash off immediately with plenty of water for at least 15 minutes.

Inhalation: Remove to fresh air. If not breathing, give artificial respiration.

Ingestion: Medical assistance for gastric lavage.

Most important symptoms and effects: None reasonably foreseeable.

Notes to Physician: can be washed with plenty of water in case of any exposure.

Section 5- Fire Fighting Measures.

Suitable Extinguishing Media: Water spray, carbon dioxide (CO₂), dry chemical, alcohol-resistant foam. Water mist maybe used to cool closed containers.

Unsuitable Extinguishing Media: None indicated.

Flash Point: No information available.

Method: No information available.

Autoignition Temperature: Not applicable

Explosion Limits

Upper No data available.

Lower No data available.

Specific Hazards Arising from the Chemical: No information available.

Sensitivity to Mechanical Impact: No information available.

Hazardous Combustion Products: No information available.

Protective Equipment and Precautions for Firefighters: No information available.

Section 6- Accidental Release Measures.

Personal Precautions: Ensure adequate ventilation. Use personal protective equipment as required. Avoid dust formation. Remove all sources of ignition. Take precautionary measures against static discharges.

Spills/Leaks: Wash with plenty of water, provide adequate ventilation.

Environmental Precautions: Should not be released into the environment.

Methods for Containment and Clean Up: Sweep up and shovel into suitable containers for disposal. Keep in suitable, closed containers for disposal. Remove all sources of ignition.

Section 7- Handling and Storage.

Handling: Wear personal protective equipment/face protection.

Storage: Store at ambient temperature.

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: Ensure adequate ventilation, especially in confined areas. Ensure that eye wash stations and safety showers are close to the workstation location.

Personal Protective Equipment

Eye/face Protection: Wear appropriate protective eyeglasses or chemical safety goggles.

Hand protection: Wear appropriate protective gloves and clothing to prevent skin exposure.

Skin and body protection: Wear appropriate protective gloves and clothing to prevent skin exposure.

Respiratory Protection: Self-contained breathing apparatus.

Recommended Filter type: Particulates filter conforming to EN 143.

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

Section 9- Physical and Chemical Properties.

Physical State:	Solid.
Appearance:	Light Brown Semi.
Odor:	No information available.
Odor Threshold:	No information available.
pH:	No information available.
Melting Point/Range:	67°C.
Boiling Point/Range:	No information available.
Flash Point:	No information available.
Evaporation Rate:	No data available.
Flammability (solid, gas):	Not applicable.
Flammability or explosive limits:	
Upper	No data available.
Lower	No data available.
Vapor Pressure:	No data available.
Vapor Density:	No data available.
Solubility:	Soluble in chloroform.
Partition coefficient; n-octanol/water:	No data available.
Autoignition Temperature:	No information available.
Decomposition Temperature:	No information available.
Viscosity:	No information available.
Molecular Formula:	C ₁₃ H ₂₂ N ₄ O ₄ S.
Molecular Weight:	330.40 g/mol.

Section 10- Stability and Reactivity.

Reactive Hazard:	None known, based on information available.
Stability:	Stable under normal condition.
Conditions to Avoid:	Direct contact to skin.
Incompatible Materials:	keep away.
Hazardous Decomposition Products:	No information available.
Hazardous Polymerization:	No information available.
Hazardous Reactions:	None under normal processing.

Section 11- Toxicological Information.

Acute Toxicity

Product Information: No information available.

Component Information

LD50/LC50 >10,000 mg/kg Remarks: Behavioral:Somnolence (general depressed activity)

Toxicologically Synergistic Products: No information available.

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

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.