



MATERIAL SAFETY DATA SHEET

www.britisscientific.com

Issue Date:

1- Chemical Product Information and Company Identification.

Product Name: : 3-Bromo-L-tyrosine reference Standard, AnStan[®].
Synonym: : L-3-Bromotyrosine.
Product code: : BS14375.
CAS Number: : 38739-13-8.
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
38739-13-8.	L-3-Bromotyrosine.	C ₉ H ₁₀ BrNO ₃ .

Section 3- Hazards Identification.

Classification

Acute Toxicity: 4
Eye Irritation: 2A
Skin Irritation: 2
STOT SECTION: 3

Label Elements

Signal Word

Warning



H302: Harmful if swallowed.
H315: Causes skin irritation.
H319: Causes serious eye irritation.
H335: May cause respiratory irritation.



USA: #1004, Boston, Massachusetts, 02116, United States. India: Jeedimetla, Hyderabad-500 055, Telangana.

www.britisscientific.com



Precautions:

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

P264 Wash hands thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P271 Use only outdoors or in a well-ventilated area.

P280.4 Wear protective gloves/protective clothing and eye/face protection.

P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303+P361+P353.1 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P308+P313 IF exposed or concerned: Get medical advice/attention.

P321 Specific treatment.

P362+P364 Take off contaminated clothing and wash it before reuse.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

P501.3 Dispose of contents/container to hazardous waste disposal.

Hazards not otherwise classified (HNOC)

No information available.

Section 4- First Aid Measures.

Eye Contact: Where Diphoterine is not available, rinse eyes with copious amounts of water for at least 20 minutes. Protect uninjured eye. Remove contact lenses if present and easy to do. Continue rinsing and seek immediate medical attention.

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

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

Ingestion: If swallowed rinse the mouth with plenty of water (only if the person is conscious) and contact a poison centre or physician if you feel unwell.

Most important symptoms and effects: No information available.

Notes to Physician: Treat symptomatically.

Section 5- Fire Fighting Measures.

Suitable Extinguishing Media: Water spray, carbon dioxide (CO₂), dry chemical, alcohol-resistant foam, Use water to extinguish fire.

Unsuitable Extinguishing Media: No information available.

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.

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.

Section 6- Accidental Release Measures.

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

Environmental Precautions: Prevent further leakage if safe to do so. Prevent product from entering drains. Do not let product enter waterways or sewer systems. Should not be released into the environment.

Methods for Containment and Clean Up:

Absorb the spilled material with an inert absorbent (e.g. sand, silica gel, rag, vermiculite) before transferring into an airtight container. Remove all sources of ignition. Dispose of appropriately according to local regulations.

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. away from sunlight or heat sources.

Section 8- Exposure Control/Personal Protection.

Exposure Guidelines: Avoid discharge into the environment, see section 6.2.

Engineering Measures: Use only under a chemical fume hood ensuring adequate ventilation, especially in confined areas. Use explosion proof electrical/ventilating/lighting/equipment. Ensure that eyewash stations and safety showers are close to the workstation location.

Personal Protective Equipment

Eye/face Protection: Wear appropriate protective eyeglasses or chemical safety goggles as which adhere to European standard EN 166. Ensure eye bath is to hand.





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: Ensure hair or skin particles cannot enter the chemical container.

Section 9- Physical and Chemical Properties.

Appearance:	Off-White to Pale Brown Solid.
Odor:	No information available.
Odor Threshold:	No information available.
pH:	No information available.
Melting Point/Range:	248 °C.
Boiling Point/Range:	No information available.
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:	1.710 g/cm ³ .
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:	C ₉ H ₁₀ BrNO ₃ .
Molecular Weight:	260.08 g/mol.

Section 10- Stability and Reactivity.

Reactive Hazard: None known, based on information available.

Stability: Stable under normal conditions.

Conditions to Avoid: Heat, sparks, open flames, sources of ignition. Exposure to moisture.

Incompatible Materials: Strong oxidizing agents.

Hazardous Decomposition Products: No data available.

Hazardous Polymerization: Hazardous polymerization does not occur.

Hazardous Reactions: None under normal processing.





Section 11- Toxicological Information.

Acute Toxicity

Component Information

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: No information available.

Section 12- Ecological Information.

Ecotoxicity: No information available.

Persistence and Degradability: No information available.

Bioaccumulation/ Accumulation: No information available.

Mobility: No information available

Endocrine Disrupting Properties: Avoid release to the environment.

Section 13- Disposal Considerations.

Disposal Operations: Ensure product is disposed of by licensed waste carriers.

Disposal of Packaging: Ensure INNER PACKAGING is disposed of by licensed waste carriers. Some OUTER PACKAGING MAY be recyclable if not contaminated.

Section 14- Transport Information.

DOT: Not regulated.

TDG: Not regulated.

IATA: Not regulated.

IMDG/IMO: Not regulated.





Section 15- Regulatory Information.

Regulatory Information: There are no further regulations controlling this product.

Chemical Safety Assessment: No Chemical Safety Assessment is available for this product.

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.

