



	Reviewed on 10/10/2011
1 Identification	
Product identifier Product name: 5-Benzyloxy-1-Boc-indole-2-boronic acid	
Stock number: H52540	
CAS Number: 850568-62-6	
Relevant identified uses of the substance or mixture and uses advised against. Identified use: SU24 Scientific research and development	
Details of the supplier of the safety data sheet	
Manufacturer/Supplier: Alfa Aesar	
Thermo Fisher Scientific Chemicals, Inc. 30 Bond Street	
Ward Hill, MA 01835-8099 Tel: 800-343-0660	
Fax: 800-322-4757 Email: tech@alfa.com	
www.alfa.com Information Department: Health, Safety and Environmental Department	
Emergency telephone number: During normal business hours (Monday-Friday, 8am-7pm EST), call (800) 343-0660. After normal business hours, call Carechem 24 at ((866) 928-0789.
2 Hazard(s) identification	
Classification of the substance or mixture in accordance with 29 CFR 1910 (OSHA HCS)	
CHS07	
Skin Irrit. 2 H315 Causes skin irritation.	
Eye Irrit. 2A H319 Causes serious eye irritation. STOT SE 3 H335 May cause respiratory irritation	
STOT SE 3 H335 May cause respiratory irritation. Hazards not otherwise classified No information known.	
Label elements GHS label elements The product is classified and labeled in accordance with 29 CFR 1910 (OSHA HCS) Hazard pictograms	
GHS07	
Signal word Warning	
Hazard statements H315 Causes skin irritation.	
H319 Causes serious eve irritation.	
H335 May cause respirátory irritation. Precautionary statements P261 Avoid breathing dust/fume/gas/mist/vapours/sprav.	
P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P280 Wear protective gloves/protective clothing/eye protection/face protection. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Conti P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.	inue rinsing.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P405 Store locked up.	
P501 Dispose of contents/container in accordance with local/regional/national/international regulations. WHMIS classification	
D2B - Toxic material causing other toxic effects	
(\mathbf{T})	
Classification system	
HMIS ratings (scale 0-4) (Hazardous Materials Identification System)	
HEALTH I Health (acute effects) = 1 FIRE I Flammability = 1	
REACTIVITY Physical Hazard = 1	
Other hazards Results of PBT and vPvB assessment	
PBT: Not applicable. vPvB: Not applicable.	
3 Composition/information on ingredients	
Chemical characterization: Substances	
CAS# Description: 850568-62-6 5-Benzyloxy-1-Boc-indole-2-boronic acid	
4 First-aid measures	
Description of first aid measures After inhalation	
Supply fresh air. If required, provide artificial respiration. Keep patient warm. Seek immediate medical advice.	
After skin contact Immediately wash with water and soap and rinse thoroughly.	
Seek immediate medical advice. After eye contact Rinse opened eye for several minutes under running water. Then consult a doctor.	
After swallowing Seek medical tréatment.	(Contd. on page 2)
	USA –

Product name: 5-Benzyloxy-1-Boc-indole-2-boronic acid

(Contd. of page 1)

Information for doctor

Most important symptoms and effects, both acute and delayed No further relevant information available. Indication of any immediate medical attention and special treatment needed No further relevant information available.

5 Fire-fighting measures

Extinguishing media Suitable extinguishing agents Carbon dioxide, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam. Special hazards arising from the substance or mixture If this product is involved in a fire, the following can be released: Carbon monoxide and carbon dioxide Nitrogen oxides (NOx) Boron oxide Possibly Hydrogen cyanide (HCN) Advice for firefighters Protective equipment: Wear self-contained respirator. Wear fully protective impervious suit. 6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation

Environmental precautions: Do not allow material to be released to the environment without proper governmental permits.

Methods and material for containment and cleaning up: Ensure adequate ventilation. Prevention of secondary hazards: No special measures required.

Reference to other sections See Section 7 for information on safe handling See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

7 Handling and storage

Handling Precautions for safe handling Keep container tightly sealed. Store in cool, dry place in tightly closed containers. Ensure good ventilation at the workplace. Information about protection against explosions and fires: No information known. Conditions for safe storage, including any incompatibilities

Storage Requirements to be met by storerooms and receptacles: No special requirements.

Information about storage in one common storage facility: Store away from oxidizing agents.

Further information about storage conditions: Keep container tightly sealed. Store in cool, dry conditions in well sealed containers. Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

Additional information about design of technical systems: Properly operating chemical fume hood designed for hazardous chemicals and having an average face velocity of at least 100 feet per minute.

Control parameters

Components with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace. Additional information: No data

Exposure controls

Personal protective equipment General protective and hygienic measures

General protective and hygienic measures The usual precautionary measures for handling chemicals should be followed. Keep away from foodstuffs, beverages and feed. Remove all soiled and contaminated clothing immediately. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin. Maintain an ergonomically appropriate working environment. Breathing equipment: Use suitable respirator when high concentrations are present. Protection of hands: Impervious gloves

Impervious gloves

Check protective gloves prior to each use for their proper condition.

The selection of suitable gloves prior to each use for their proper condition. The selection of suitable gloves not only depends on the material, but also on quality. Quality will vary from manufacturer to manufacturer. **Penetration time of glove material (in minutes)** Not determined **Eye protection:** Safety glasses **Body protection:** Protective work clothing.

Dhysical and shaminal properties

9 Physical and chemical properties		
Information on basic physical and ch General Information Appearance: Form: Color: Odor: Odor threshold:	e mical properties Solid White Not determined Not determined.	
pH-value:	Not applicable.	
Change in condition Melting point/Melting range: Boiling point/Boiling range: Sublimation temperature / start: Flammability (solid, gaseous) Ignition temperature:	106-110 °C (223-230 °F) Not determined Not determined Not determined. Not determined.	

(Contd. on page 3)

Product name: 5-Benzyloxy-1-Boc-indole-2-boronic acid

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	Reviewed on 10/10/201
roduct name: 5-Benzyloxy-1-Boc-indole-	-2-boronic acid
	(Contd. of page 3
Transport/Additional information: DOT	
Marine Pollutant (DOT):	No
UN "Model Regulation":	
15 Regulatory information	
Safety, health and environmental regulations	s/legislation specific for the substance or mixture and labeled in accordance with 29 CFR 1910 (OSHA HCS)
GHS07	
P305+P351+P338 IF IN EYES: Rinse cautiously P304+P340 IF INHALED: Remove persoi P405 Store locked up. P501 Dispose of contents/container National regulations This product is not listed in the U.S. Environmer to research and development only. This product product must not be used for commercial purpos SARA Section 313 (specific toxic chemical lis California Proposition 65 Prop 65 - Chemicals known to cause cancer Prop 65 - Developmental toxicity, female Sub Prop 65 - Developmental toxicity, male Subst Information about limitation of use: For use o Other regulations, limitations and prohibitive Substance of Very High Concern (SVHC) acc The conditions of restrictions according to A market and use must be observed. Substance is not listed.	ective clothing/eyé protection/face protection. y with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. In to fresh air and keep comfortable for breathing. er in accordance with local/regional/national/international regulations. Intal Protection Agency Toxic Substances Control Act Chemical Substance Inventory. Use of this product is restricter t must be used by or directly under the supervision of a technically qualified individual as defined by TSCA. This ses or in formulations for commercial purposes. stings) Substance is not listed. Substance is not listed. soluties and listed. tance is not listed. Article 67 and Annex XVII of the Regulation (EC) No. 1907/2006. Substance is not listed. Article 67 and Annex XVII of the Regulation (EC) No. 1907/2006 (REACH) for the manufacturing, placing on the ring Authorisation for use) Substance is not listed.
16 Other information Employers should use this information only as a information to ensure proper use and protect the conformance with this Material Safety Data She	a supplement to other information gathered by them, and should make independent judgement of suitability of this e health and safety of employees. This information is furnished without warranty, and any use of the product not in set, or in combination with any other product or process, is the responsibility of the user.
Department issuing SDS: Global Marketing De Date of preparation / last revision 11/24/2015 Abbreviations and acronyms: RID: Reglement international concernant le transport des march	epartment / - handises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
ICAO: International Civil Aviation Organization	ransusas par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
ADX: Action Building and Amathematical Code for Dangerous Goods DOT: US Department of Transportation IATA: International Air Transport Association CAS: Chemical Abstracts Service (division of the American Che HMIS: Hazardous Materials Identification System (USA) WHMIS: Workplace Hazardous Materials Information System (LC50: Lethal concernization, 50 percent	Janada)
LC50: Lethal dose, 50 percent LD50: Lethal dose, 50 percent vPvB: very Persistent and very Bioaccumulative	
in the state of th	
LDS0: Letrial dose, Failon, 50 percent LDS0: Letrial dose, 50 percent vPvB: very Persistent and very Bioaccumulative ACGH+: American Conference of Governmental Industrial Hygie OSHA: Occupational Safety and Health Administration (USA) NTP: National Toxicology Program (USA) IARC: International Agency for Research on Cancer EPA: Environmental Protection Agency (USA)	enists (USA)