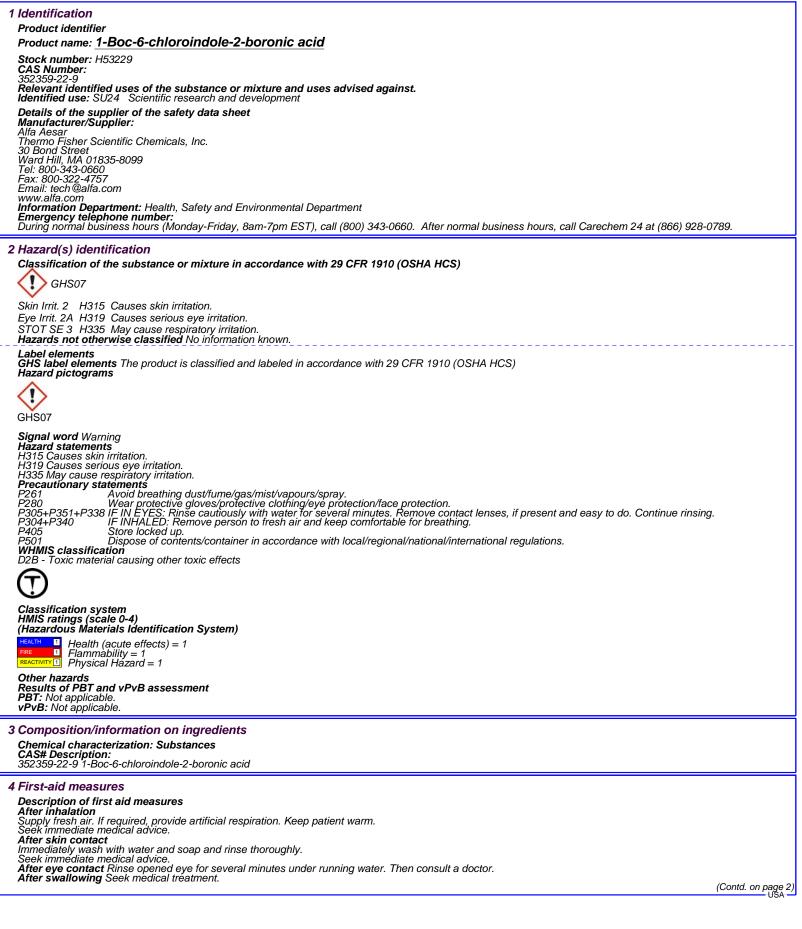


Safety Data Sheet per OSHA HazCom 2012



Product name: 1-Boc-6-chloroindole-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) Hydrogen chloride (HCl) Boron oxide 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. 9 Physical and chemical properties Information on basic physical and chemical properties General Information Appearance: Form: Solid Color: White Odor: Not determined Odor threshold: Not determined pH-value: Not applicable. Change in condition Melting point/Melting range: 110-113 °C (230-235 °F) Boiling point/Boiling range: Sublimation temperature / start: Flammability (solid, gaseous) Not determined Not determined Not determined. Ignition temperature: Not determined (Contd. on page 3)

Product name: 1-Boc-6-chloroindole-2-boronic acid

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Decomposition tomporature:	(Contd. of page 2
Decomposition temperature: Auto igniting:	Not determined Not determined.
Danger of explosion:	Not determined.
Explosion limits: Lower:	Not determined
Upper:	Not determined
Vapor pressure: Density:	Not applicable. Not determined
Relative density	Not determined.
Vapor density Evaporation rate	Not applicable. Not applicable.
Solubility in / Miscibility with	
Water: Partition coefficient (n-octanol/wate	Not determined
Viscosity:	
dynamic: kinematic:	Not applicable. Not applicable.
Other information	No further relevant information available.
Possibility of hazardous reactions F Conditions to avoid No further releva Incompatible materials: Oxidizing ag Hazardous decomposition products Carbon monoxide and carbon dioxide Nitrogen oxides Hydrogen chloride (HCI) Boron oxide 11 Toxicological information Information on toxicological effects Acute toxicity: No effects known. LD/LC50 values that are relevant for Skin irritation or corrosion: Causes Eye irritation or corrosion: Causes Sensitization: No sensitizing effects k Germ cell mutagenicity: No effects k	s to be avoided: Decomposition will not occur it used and stored according to specifications. Reacts with strong oxidizing agents ant information available. gents s: r classification: No data skin irritation. serious eve irritation.
Specific target organ system toxicit Aspiration hazard: No effects known. Subacute to chronic toxicity: No effe Additional toxicological information 12 Ecological information Toxicity	ects known. • To the best of our knowledge the acute and chronic toxicity of this substance is not fully known.
Aquatic toxicity: No further relevant i Persistence and degradability No fu Bioaccumulative potential No further Mobility in soil No further relevant inf	rther relevant information available. r relevant information available.
Additional ecological information: General notes: Do not allow material to be released to Do not allow undiluted product or large Avoid transfer into the environment. Results of PBT and vPvB assessme PBT: Not applicable. vPvB: Not applicable.	formation available. o the environment without proper governmental permits. e quantities to reach ground water, water course or sewage system. ent
Additional ecological information: General notes: Do not allow material to be released to Do not allow undiluted product or large Avoid transfer into the environment. Results of PBT and vPvB assessme PBT: Not applicable. vPvB: Not applicable. Other adverse effects No further rele	formation available. o the environment without proper governmental permits. e quantities to reach ground water, water course or sewage system. ent
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(Contd. on page 4)

Safety Data Sheet per OSHA HazCom 2012

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	Reviewed 011 04/05/201	
Product name: 1-Boc-6-chloroindole-2-boronic acid		
	(Contd. of page -	
Transport/Additional information: DOT		
Marine Pollutant (DOT):	No	
UN "Model Regulation":	<u> </u>	
5 Regulatory information Safety, health and environmental regulatio GHS label elements The product is classified Hazard pictograms	ons/legislation specific for the substance or mixture d and labeled in accordance with 29 CFR 1910 (OSHA HCS)	
GHS07		
 P405 Store locked up. P501 Dispose of contents/conta National regulations This product is not listed in the U.S. Environn to research and development only. This product must not be used for commercial purp This product is not listed on the Canadian Do SARA Section 313 (specific toxic chemical California Proposition 65 Prop 65 - Chemicals known to cause cance Prop 65 - Developmental toxicity, statact Prop 65 - Developmental toxicity, male Sul Information about limitation of use: For usi Other regulations, limitations and prohibit Substance of Very High Concern (SVHC) a The conditions of restrictions according to market and use must be observed. 	ofective clothing/eyé protection/face protection. usly with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. son to fresh air and keep comfortable for breathing. ainer in accordance with local/regional/national/international regulations. nental Protection Agency Toxic Substances Control Act Chemical Substance Inventory. Use of this product is restricted uct must be used by or directly under the supervision of a technically qualified individual as defined by TSCA. This poses or in formulations for commercial purposes. I listings) Substances List (DSL) or the Canadian Non-Domestic Substances List (NDSL). I listings) Substance is not listed. e is not listed. Substance is not listed. be used by technically qualified individuals. ive regulations according to the REACH Regulations (EC) No. 1907/2006. Substance is not listed. o Article 67 and Annex XVII of the Regulation (EC) No 1907/2006 (REACH) for the manufacturing, placing on the particle 67 and Annex XVII of the Regulation (EC) No 1907/2006 (REACH) for the manufacturing, placing on the protection for use) Substance is not listed.	
6 Other information Employers should use this information only a information to ensure proper use and protect	s a supplement to other information gathered by them, and should make independent judgement of suitability of this the health and safety of employees. This information is furnished without warranty, and any use of the product not in heet, or in combination with any other product or process, is the responsibility of the user.	
Department issuing SDS: Global Marketing Date of preparation / last revision 11/24/20	Department)15 / - langereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)	

IARC: International Agency for Research on Cancer EPA: Environmental Protection Agency (USA)