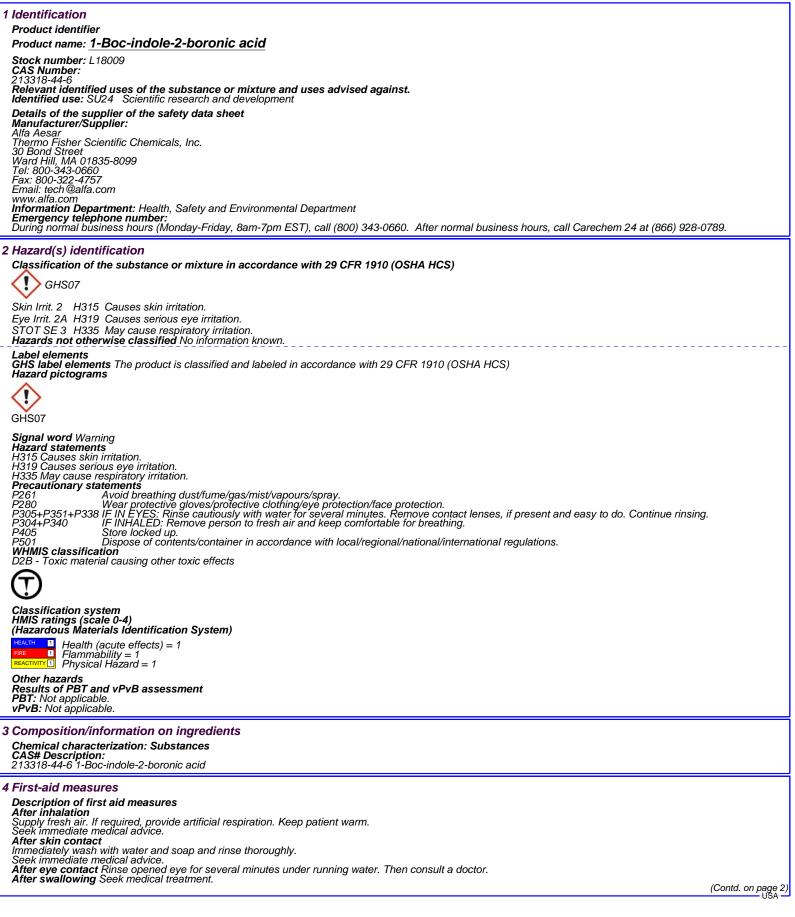


Safety Data Sheet per OSHA HazCom 2012



Product name 1 Pag indels 2 karre			
Product name: 1-Boc-indole-2-boronic acid			
Information for doctor		(Contd. of page 1)	
Most important symptoms and effects Indication of any immediate medical (ts, both acute and delayed No further relevant information available. attention and special treatment needed No further relevant information available.		
5 Fire-fighting measures			
Extinguishing media Suitable extinguishing agents Carbon	n 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 dióxide Nitrogen oxides (NOx)			
Boron oxide Advice for firefighters	Boroň oxide		
Protective equipment:			
Wear self-contained respirator. Wear fully protective impervious suit.			
6 Accidental release measures	6 Accidental release measures		
Personal precautions, protective equi	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.			
Prevention of secondary hazards: No	nt and cleaning up: Ensure adequate ventilation.		
Reference to other sections See Section 7 for information on safe ha	andling		
See Section 8 for information on personal See Section 13 for disposal information.	nal protection equipment.		
,,			
7 Handling and storage Handling			
Precautions for safe handling			
Keep container tightly sealed. Store in cool, dry place in tightly closed of Store in cool, dry place in tightly closed of Store in cool, dry place in tightly closed of Store in cool, dry place in the store	containers.		
Ensure good ventilation at the workplace Information about protection against of	e. • explosions and fires: No information known.		
Conditions for safe storage, including	g any incompatibilities		
Storage Requirements to be met by storeroom	ms and receptacles: No special requirements.		
Further information about storage cor	nmon storage facility: Store away from oxidizing agents.		
Keep container tightly sealed. Store in cool, dry conditions in well seale			
Specific end use(s) No further relevant	t information available.		
8 Exposure controls/personal prote	ection		
Additional information about design of			
Control parameters	designed for hazardous chemicals and having an average race velocity of at least 100 reet per minute.		
	quire monitoring at the workplace: Not required.		
Exposure controls			
Personal protective equipment General protective and hygienic meas	curac		
The usual precautionary measures for h	The usual precautionary measures for handling chemicals should be followed.		
Remove all soled and contaminated clo	The usual precautionary measures for handling chemicals should be followed. Keep away from foodstuffs, beverages and feed. Remove all soiled and contaminated clothing immediately.		
Avoid contact with the eves and skin.	Wash nands before breaks and at the end of work. Avoid contact with the eves and skin.		
Maintain an ergonomically appropriate w Breathing equipment: Use suitable res	Maintain an ergonomically appropriate working environment. Breathing equipment: Use suitable respirator when high concentrations are present.		
Protection of hands: Impervious gloves			
Check protective gloves prior to each us	se for their proper condition. y 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 clothin	ing.		
9 Physical and chemical properties	e		
Information on basic physical and che			
General Information			
Form: Color:	Crystalline powder White		
Odor:	Not determined		
Odor threshold: pH-value:	Not determined. Not applicable.		
Change in condition			
Melting point/Melting range: Boiling point/Boiling range:	85-90 °C (185-194 °F) Not determined		
Sublimation temperature / start:	Not determined		
Flash point: Flammability (solid, gaseous)	Not applicable Not determined.		
Ignition temperature: Decomposition temperature:	Not determined Not determined		
Decomposition temperature.	Not determined	(Contd. on page 3)	
		USA -	

Pı 1-Boc-indolo-2-boronic acid duct

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Product name: 1-Boc-indole-2-boro	nic acid		
	(Contd. of page 2,		
Auto igniting:	Not determined.		
Danger of explosion: Explosion limits: Lower: Upper: Vapor pressure:	Product does not present an explosion hazard. Not determined Not determined Not applicable.		
Density: Relative density Vapor density Evaporation rate	Not determined Not determined. Not applicable. Not applicable.		
Solubility in / Miscibility with Water: Partition coefficient (n-octanol/water) Viscosity: dynamic:	Insoluble : Not determined. Not applicable.		
kinematic: Other information	Not applicable. No further relevant information available.		
10 Stability and reactivity			
Reactivity No information known. Chemical stability Stable under recommended storage conditions. Thermal decomposition / conditions to be avoided: Decomposition will not occur if used and stored according to specifications. Possibility of hazardous reactions No dangerous reactions known Conditions to avoid No further relevant information available. Incompatible materials: Oxidizing agents Hazardous decomposition products: Carbon monoxide and carbon dioxide Nitrogen oxides Boron oxide			
11 Toxicological information Information on toxicological effects Acute toxicity: No effects known. LD/LC50 values that are relevant for classification: No data Skin irritation or corrosion: Causes skin irritation. Eye irritation or corrosion: Causes serious eye irritation. Sensitization: No sensitizing effects known. Germ cell mutagenicity: EPA-I: Data are inadequate for an assessment of human carcinogenic potential. Reproductive toxicity: No effects known. Specific target organ system toxicity - repeated exposure: No effects known. Specific target organ system toxicity - single exposure: May cause respiratory irritation. Aspiration hazard: No effects known. Subacute to chronic toxicity: No effects known. Subacute to chronic toxicity: No effects known. Subacute to chronic toxicity: No effects known. Additional toxicological information: To the best of our knowledge the acute and chronic toxicity of this substance is not fully known.			
12 Ecological information Toxicity			
Aquatic toxicity: No further relevant information available. Persistence and degradability No further relevant information available. Bioaccumulative potential No further relevant information available. Mobility in soil No further relevant information available. Additional ecological information: General notes: Do not allow material to be released to the environment without proper governmental permits. Avoid transfer into the environment. Results of PBT and vPvB assessment PBT: Not applicable. vPvB: Not applicable. Other adverse effects No further relevant information available.			
13 Disposal considerations			
Waste treatment methods Recommendation Consult state, local or national regulations to ensure proper disposal. Uncleaned packagings: Recommendation: Disposal must be made according to official regulations.			
14 Transport information Not a hazardous material for transportat	ion.		
UN-Number DOT, IMDG, IATA	None		
UN proper shipping name DOT, IMDG, IATA Transport hazard class(es)	None		
DOT, ADR, IMDG, IATA Class	None		
Packing group DOT, IMDG, IATA	None		
Environmental hazards:	Not applicable.		
Special precautions for user	Not applicable.		
	(Contd. on page 4		

(Contd. on page 4)

Product name: 1-Boc-indole-2-boronic acid	
	(Contd. of page
Transport in bulk according to Annex II of MARPOL73/	78 and the IBC Code Not applicable.
Transport/Additional information:	Not dangerous according to the above specifications.
DOT Marine Pollutant (DOT):	No
5 Regulatory information	
Safety, health and environmental regulations/legislation GHS label elements The product is classified and labeled Hazard pictograms	n specific for the substance or mixture in accordance with 29 CFR 1910 (OSHA HCS)
GHS07	
Signal word Warning Hazard statements	
H315 Causes skin irritation.	
H319 Causes serious eye irritation. H335 May cause respiratory irritation.	
Precautionary statements P261 Avoid breathing dust/fume/gas/mist/vap	oours/spray.
D290 Wear protoctive devea/protective dethi	inglove protection/feeo protection
P304+P340 IF INHALED: Remove person to fresh a P405 Store locked up.	rigreye protection/lace protection. r for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. air and keep comfortable for breathing.
P501 Dispose of contents/container in accord	dance with local/regional/national/international regulations.
National regulations This product is not listed in the U.S. Environmental Protect	tion Agency Toxic Substances Control Act Chemical Substance Inventory. Use of this product is restricte
to research and development only. This product must be us product must not be used for commercial purposes or in for	used by or directly under the supervision of a technically qualified individual as defined by TSCA. This
SARA Section 313 (specific toxic chemical listings) Sul	bstance is not listed.
California Proposition 65 Prop 65 - Chemicals known to cause cancer Substance	e is not listed.
Prop 65 - Developmental toxicity Substance is not listed.	
Prop 65 - Developmental toxicity, female Substance is n Prop 65 - Developmental toxicity, male Substance is not	t listed.
Information about limitation of use: For use only by tech Other regulations, limitations and prohibitive regulation	ons in the second se
Substance of Very High Concern (SVHC) according to a	the REACH Regulations (EC) No. 1907/2006. Substance is not listed. and Annex XVII of the Regulation (EC) No 1907/2006 (REACH) for the manufacturing, placing on the
market and use must be observed.	
Substance is not listed. Annex XIV of the REACH Regulations (requiring Author	risation for use) Substance is not listed.
Chemical safety assessment: A Chemical Safety Assess	ment has not been carried out.
16 Other information	
information to ensure proper use and protect the health and	nt to other information gathered by them, and should make independent judgement of suitability of this In safety of employees. This information is furnished without warranty, and any use of the product not in
conformance with this Material Safety Data Sheet, or in cor	mbination with any other product or process, is the responsibility of the user.
Department issuing SDS: Global Marketing Department Date of preparation / last revision 11/24/2015 / -	
Date of preparation / last revision 11/24/2015 / - Abbreviations and acronyms: RID: Rediement international concernant le transport des marchandises dance	ereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport ICAO: International Civil Aviation Organization	Association" (IATA)
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization IMDG: International Maritime Code for Dangerous Goods	ın" (ICAO)
DOT: US Department of Transportation IATA: International Air Transport Association CAS: Chemical Abstracts Service (division of the American Chemical Seciety)	
HMIS: Hazardous Materials Identification System (USA) WHMIS: Workplace Hazardous Materials Information System (Canada)	
LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent	
vPvB: very Persistent and very Bioaccumulative ACGIH: American Conference of Governmental Industrial Hygienists (USA)	vereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail) r Association" (IATA) on" (ICAO))
USHA: Uccupational Safety and Health Administration (USA) NTP: National Toxicology Program (USA)	

USHA: Occupational Safety and Health Administratic NTP: National Toxicology Program (USA) IARC: International Agency for Research on Cancer EPA: Environmental Protection Agency (USA)