



	Neview	eu 0/1 11/03/2007
Product name: Pyrimidine-5-boronic	c acid	
		(Contd. of page 1)
Information for doctor Most important symptoms and effects	s, both acute and delayed No further relevant information available.	
Indication of any immediate medical a	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 subs	stance or mixture Ilowing can be released:	
Carbon monoxide and carbon dioxide Nitrogen oxides (NOx)		
Boron oxide		
Advice for firefighters Protective equipment:		
Wear self-contained respirator.		
Wear fully protective impervious suit.		
6 Accidental release measures		
Personal precautions, protective equi	ipment and emergency procedures	
Wear protective equipment. Keep unprotected persons away.		
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 ha	andling	
See Section 8 for information on personal See Section 13 for disposal information.	al protection equipment.	
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7 Handling and storage		
Handling Precautions for safe handling		
Keep container tightly sealed.	oontoinoro	
Store in cool, dry place in tightly closed of Ensure good ventilation at the workplace	entainers. 9.	
, ,	explosions and fires: No information known.	
Conditions for safe storage, including Storage	any incompatibilities	
Requirements to be met by storeroon	ns and receptacles: No special requirements. Imon storage facility: Store away from oxidizing agents.	
Further information about storage col	nditions:	
Keep container tightly sealed.	ed containers	
Store in cool, dry conditions in well seale 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: Not required.		
Additional information: No data		
Exposure controls Personal protective equipment		
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.		
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 Check protective 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 clothi	ing.	
9 Physical and chemical properties		
Information on basic physical and che General Information	ennical properties	
Appearance: Form:	Crystalline powder	
Color:	Cream	
Odor: Odor threshold:	Not determined Not determined.	
pH-value:	Not applicable.	
Change in condition Melting point/Melting range:	Not determined	
Boiling point/Boiling range:	Not determined	
Sublimation temperature / start:	Not determined	
Flash point: Flammability (solid, gaseous)	Not applicable Not determined.	
Ignition temperature: Decomposition temperature:	Not determined Not determined	
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Product name: Pvrimidine-5-boronic acid

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	Reviewed on 11/05/2007	
Product name: Pyrimidine-5-boron i	ic acid	
	(Contd. of page 2)	
Auto igniting:	Not determined.	
Danger of explosion: Explosion limits: Lower: Upper: Vapor pressure: Density: Relative density Vapor density Evaporation rate	Product does not present an explosion hazard. Not determined Not determined Not determined Not determined. Not determined. Not applicable. Not applicable.	
Solubility in / Miscibility with	Not determined	
Water: Partition coefficient (n-octanol/water Viscosity:	r): Not determined.	
dynamic: kinematic: Other information	Not applicable. 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/LCS0 values that are relevant for classification: No data Skin irritation or corrosion: Causes skin irritation. Eye irritation or corrosion: Causes skin irritation. Eye irritation or corrosion: Causes skin irritation. Germ cell mutagenicity: No effects known. Germ cell mutagenicity: No effects known. Carcinogenicity: EPA-1: 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: Boron affects the central nervous system. Boron poisoning causes depression of the circulation, persistant vomiting and diarrhea, followed by profound shock and coma. The temperature may become subnormal and a scarletina form rash may cover the entire body. 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. Do not allow undiluted product or large quantities to reach ground water, water course or sewage system. Avoid transfer into the environment. Results of PBT and vPvB assessment PBT: Not applicable.		
vPvB: Not applicable. Other adverse effects No further relev	vant information available.	
13 Disposal considerations Waste treatment methods	l or national regulations to ensure proper disposal.	
14 Transport information Not a hazardous material for transporta	ation.	
UN-Number DOT, IMDG, IATA	None	
UN proper shipping name DOT, IMDG, IATA	None	
Transport hazard class(es) DOT, ADR, IMDG, IATA Class	None	
Packing group DOT, IMDG, IATA	None	
Environmental hazards:	Not applicable.	
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