

Safety Data Sheet per OSHA HazCom 2012

Reviewed on 12/10/2000
1 Identification
Product identifier Product name: 6-(4-MorpholinyI)pyridine-3-boronic acidpinacol ester
Stock number: H50143
CAS Number: 485799-04-0
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)
GHS07
Skin Irrit. 2 H315 Causes skin irritation.
Eye Irrit. 2A H319 Causes serious eye 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 eye irritation. H335 May cause respiratory irritation. <b>Precautionary statements</b>
Precautionary statements P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
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. Continue 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       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: 485799-04-0 6-(4-MorpholinyI)pyridine-3-boronic acidpinacol ester
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 treatment.
(Contd. on page 2) USA

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Product name: 6-(4-INOrphonnyi)pyri	นและจะมอกอาการ สรายมาเสียวา สุรายา	
Information for doctor		(Contd. of page 1)
Most important symptoms and effects Indication of any immediate medical a	<b>, both acute and delayed</b> No further relevant information available. <b>ttention and special treatment needed</b> No further relevant information available.	
5 Fire-fighting measures Extinguishing media Suitable extinguishing agents Carbon Special hazards arising from the subs If this product is involved in a fire, the foll Carbon monoxide and carbon dioxide Nitrogen oxides (NOx) Boron oxide Advice for firefighters Protective equipment:	dioxide, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam. <b>tance or mixture</b> lowing can be released:	
Wear self-contained respirator. Wear fully protective impervious suit.		
6 Accidental release measures Personal precautions, protective equip Wear protective equipment. Keep unprotective Ensure adequate ventilation Environmental precautions: Do not allow Methods and material for containment Prevention of secondary hazards: No Reference to other sections See Section 7 for information on safe have See Section 8 for information on personal See Section 13 for disposal information.	ected persons away. The environment without proper governmental permits. t <b>and cleaning up:</b> Ensure adequate ventilation. special measures required.	
Conditions for safe storage, including Storage Requirements to be met by storeroom	explosions and fires: No information known. any incompatibilities and receptacles: No special requirements. mon storage facility: Store away from oxidizing agents. aditions:	
Control parameters Components with limit values that req Additional information: No data Exposure controls Personal protective equipment General protective and hygienic meas The usual precautionary measures for ha Keep away from foodstuffs, beverages a Remove all soiled and contaminated clot Wash hands before breaks and at the er Avoid contact with the eyes and skin. Maintain an ergonomically appropriate w Breathing equipment: Use suitable res Protection of hands:	technical systems: designed for hazardous chemicals and having an average face velocity of at least 100 feet per minute. uure monitoring at the workplace: Not required. ures andling chemicals should be followed. nd feed. hing immediately. id of work. orking environment. orking environment. oriator when high concentrations are present. e for their proper condition. depends on the material, but also on quality. Quality will vary from manufacturer to manufacturer. minutes) Not determined	
9 Physical and chemical properties		
Information on basic physical and che General Information Appearance: Form: Color:	emical properties Powder Off-white	
Odor: Odor threshold:	Not determined Not determined.	
pH-value:	Not applicable.	
Change in condition Melting point/Melting range: Boiling point/Boiling range: Sublimation temperature / start:	Not determined Not determined Not determined	
Flash point: Flammability (solid, gaseous) Ignition temperature: Decomposition temperature:	Not applicable Not determined. Not determined Not determined	
· · ·		(Contd. on page 3)

## Product name: 6-(4-Morpholinyl)pyridine-3-boronic acidpinacol ester

	(Contd. of page 2)
Auto igniting:	Not determined.
Danger of explosion: Explosion limits: Lower: Upper: Vapor pressure: Density: Relative density Vapor density Evaporation rate Solubility in / Miscibility with Water: Partition coefficient (n-octanol/water, Viscosity: dynamic: kinematic: Other information	Product does not present an explosion hazard. Not determined Not applicable. Not determined. Not applicable. Not applicable. Insoluble Not determined. Not determined. Not determined. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable.
Reactivity No information known. Chemical stability Stable under recom Thermal decomposition / conditions Possibility of hazardous reactions No Conditions to avoid No further relevan Incompatible materials: Oxidizing age Hazardous decomposition products: Carbon monoxide and carbon dioxide Nitrogen oxides Boron oxide	t information available.
Reproductive toxicity: No effects know Specific target organ system toxicity Specific target organ system toxicity Aspiration hazard: No effects known. Subacute to chronic toxicity: No effect Subacute to chronic toxicity: Boron affects the central nervous system coma. The temperature may become s	kin irritation. rious eye irritation. iown. equate for an assessment of human carcinogenic potential. vn. - <b>repeated exposure:</b> No effects known. - <b>single exposure:</b> May cause respiratory irritation.
12 Ecological information Toxicity Aquatic toxicity: No further relevant in Persistence and degradability No furth Bioaccumulative potential No further Mobility in soil No further relevant info Additional ecological information: General notes: Do not allow material to be released to Avoid transfer into the environment. Results of PBT and vPvB assessment PBT: Not applicable. vPvB: Not applicable. Other adverse effects No further relevant	her relevant information available. relevant information available. rmation available. the environment without proper governmental permits. <b>It</b>
13 Disposal considerations Waste treatment methods Recommendation Consult state, local Uncleaned packagings: Recommendation: Disposal must be n	or national regulations to ensure proper disposal. nade according to official regulations.
14 Transport information Not a hazardous material for transporta	tion.
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.
Special precautions for user	Not applicable. (Contd. on page 4)

	Reviewed on 12/16/20
oduct name: 6-(4-Morpholinyl)pyridine-3-bo	oronic acidpinacol ester
Transport in bulk according to Annex II of MARPO	(Contd. of page
Transport in blick according to Annex if of MARPO	Not dangerous according to the above specifications.
DOT	Not dangerous according to the above specifications.
Marine Pollutant (DOT):	No
5 Regulatory information Safety, health and environmental regulations/legi GHS label elements The product is classified and la Hazard pictograms	islation specific for the substance or mixture beled 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/mi.         P280       Wear protective gloves/protective         P305+P351+P338       IF IN EYES: Rinse cautiously with         P304+P340       IF INHALED: Remove person to fi         P405       Store locked up.         P501       Dispose of contents/container in a         National regulations       This product is not listed in the U.S. Environmental P	clothing/eye protection/face protection. n water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. resh air and keep comfortable for breathing. accordance with local/regional/national/international regulations. Protection Agency Toxic Substances Control Act Chemical Substance Inventory. Use of this product is restric
to research and development only. This product musi product must not be used for commercial purposes of SARA Section 313 (specific toxic chemical listing California Proposition 65 Prop 65 - Chemicals known to cause cancer Subs Prop 65 - Developmental toxicity Substance is not Prop 65 - Developmental toxicity, female Substance Information about limitation of use: For use only b	IS) Substance is not listed. tance is not listed. isted. ce is not listed. is not listed.
Other regulations, limitations and prohibitive regi	ulations ng to the REACH Regulations (EC) No. 1907/2006. Substance is not listed. e 67 and Annex XVII of the Regulation (EC) No 1907/2006 (REACH) for the manufacturing, placing on t
information to ensure proper use and protect the heat	plement to other information gathered by them, and should make independent judgement of suitability of this Ith and safety of employees. This information is furnished without warranty, and any use of the product not i r in combination with any other product or process, is the responsibility of the user.
Department issuing SDS: Global Marketing Departr Date of preparation / last revision 11/24/2015 / - Abbreviations and acronyms: RID: Reglement international concernant le transport des marchandise IATA-DGR: Dangerous Goods Regulations by the "International Air Tra ICAO: International Civil Aviation Organization	
RID: Règlement international concérnant le transport des marchandise IATA-DGR: Dangerous Goods Regulations by the "International Air Tra ICAO: International Civil Aviation Organization ICAO: Ti Technical Instructions by the "International Civil Aviation Org. IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transport Association AAS: Chemical Abstracts Service (division of the American Chemical S HMIS: Hazardous Materials Identification System (USA) WHMIS: Workplace Hazardous Materials Information System (Canada LCGO: Lethal concentration, 50 percent UPUB: Lethal concentration, 50 percent UPUB: Cup Persistent and very Bioaccumulative ACGIH: American Conference of Governmental Industrial Hygienists (I OSHA: Occupational Safety and Health Administration (USA) NTP: National Toxicology Program (USA)	anization" (ICAO) Society) 1)
VPUB: very Persistent and very Bioaccumulative ACGIH: American Conference of Governmental Industrial Hygienists (I OSHA: Occupational Safety and Health Administration (USA) NTP: National Toxicology Program (USA) IARC: International Agency for Research on Cancer	USA)

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USA