



Reviewed on U1/31/2	007
1 Identification	
Product identifier Product name: Methyl 5-bromopyridine-2-carboxylate	
Stock number: B25415 CAS Number:	
29682-15-3	
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. Precautionary statements P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P280 Wear protective cloves/protective clothing/eye protection/face protection	
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 IN HALED: 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	
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Classification system HMIS ratings (scale 0-4)	
(Hazardous Materials Identification System)     Health (acute effects) = 1     Flammability = 1	
Reactivery I 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: 29682-15-3 Methyl 5-bromopyridine-2-carboxylate	
4 First-aid measures	
Description of first aid measures After Inhalation Supply fresh air. If required, provide artificial respiration. Keen patient warm	
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.	
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(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 Hydrogen bromide (HBr) Nitrogen oxides (NOx) 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: 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. 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. 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 Odor: Not determined Odor threshold: Not determined. pH-value: Not applicable. Change in condition Melting point/Melting range: Boiling point/Boiling range: 101-103 °C (214-217 °F) Not determined Sublimation temperature / start: Not determined Flash point: Not applicable Flammability (solid, gaseous) Ignition temperature: Decomposition temperature: Not determined Not determined

Not determined

Not determined

Auto igniting:

(Contd. on page 3)

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Product name: Methyl 5-bromopyrio	Ine-2-carboxylate	
		(Contd. of page 2)
Danger of explosion:	Product does not present an explosion hazard.	
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/water)	Not determined	
Viscosity:		
dynamic: kinematic:	Not applicable.	
Other information	Not applicable. No further relevant information available.	
10 Stability and reactivity Reactivity No information known. Chemical stability Stable under recommended Possibility of hazardous reactions No Conditions to avoid No further relevan Incompatible materials: Oxidizing agen Hazardous decomposition products: Carbon monoxide and carbon dioxide Hydrogen bromide Nitrogen oxides	<b>o be avoided:</b> Decomposition will not occur if used and stored according to specifications. dangerous reactions known 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 effec	in irritation. rious eye irritation. own. on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH. rn. <b>- repeated exposure:</b> No effects known. <b>- single exposure:</b> May cause respiratory irritation.	
12 Ecological information		
Toxicity Aquatic toxicity: No further relevant inf Persistence and degradability No furth Bioaccumulative potential No further Mobility in soil No further relevant infor Additional ecological information: General notes: Do not allow material to be released to t	ner relevant information available. elevant information available. mation available. he environment without proper governmental permits. quantities to reach ground water, water course or sewage system. <b>t</b>	
13 Disposal considerations		
Waste treatment methods	or national regulations to ensure proper disposal. ade according to official regulations.	
<b>14 Transport information</b> Not a hazardous material for transportat	ion.	
UN-Number DOT, IMDG, IATA	None	
UN proper shipping name DOT, IMDG, IATA	None	
Transport hazard class(es) DOT, ADR, IMDG, IATA	Mana	
Class Packing group	None	
Packing group DOT, IMDG, IATA	None	
Environmental hazards:	Not applicable.	
Special precautions for user	Not applicable.	
	II of MARPOL73/78 and the IBC Code Not applicable.	
Transport/Additional information:	Not dangerous according to the above specifications.	
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roduct name: Methyl 5-bromopyridine-2-c	
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DOT Marine Pollutant (DOT):	No
5 Regulatory information Safety, health and environmental regulations/ GHS label elements The product is classified an Hazard pictograms	<b>/legislation specific for the substance or mixture</b> nd labeled in accordance with 29 CFR 1910 (OSHA HCS)
GHS07	
P405   Store locked up.     P501   Dispose of contents/container     National regulations   This product is not listed in the U.S. Environment     to research and development only. This product not be used for commercial purpose   SARA Section 313 (specific toxic chemical list     California Proposition 65   Prop 65 - Chemicals known to cause cancer S     Prop 65 - Developmental toxicity, female Substa     Information about limitations and prohibitive I     Substance of Very High Concern (SVHC) accord     The conditions of restrictions according to Ar     market and use must be observed.	stings) Substance is not listed. Substance is not listed. s not listed. ance is not listed. nly by technically qualified individuals. regulations ording to the REACH Regulations (EC) No. 1907/2006. Substance is not listed. rticle 67 and Annex XVII of the Regulation (EC) No 1907/2006 (REACH) for the manufacturing, placing on th ing Authorisation for use) Substance is not listed.
information to ensure proper use and protect the	supplement to other information gathered by them, and should make independent judgement of suitability of this health and safety of employees. This information is furnished without warranty, and any use of the product not in et, or in combination with any other product or process, is the responsibility of the user.
Department issuing SDS: Global Marketing Dep Date of preparation / last revision 11/24/2015 / Abbreviations and acronyms: IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transportation IATA: International Air Transport Association (AS: Chemical Abstracts Service (division of the American Chem HMIS: Hazardous Materials Identification System (USA) WHMIS: Workplace Hazardous Materials Information System (Ca LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent vPvB: very Persistent and very Bioaccumulative ACGIH: American Conference of Governmental Industrial Hygien OSHA: Occupational Safety and Health Administration (USA) NTP: National Toxicology Program (USA) IARC: International Agency for Research on Cancer EPA: Environmental Protection Agency (USA)	partment /- mical Society)