



1 Identification
Product identifier
Product name: <u>3-Bromo-4-methylpyridine</u>
Stock number: L19622 CAS Number:
3430-22-6 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: 800-342-4757
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)
GHS06 Skull and crossbones
Acute Tox. 3 H301 Toxic if swallowed.
Acute Tox. 3 H311 Toxic in contact with skin.
GHS07
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Acute Tox. 4 H332 Harmful if inhaled. Skin Irrit. 2 H315 Causes skin irritation.
Eye Irrit. 2A H319 Causes serious eye irritation.
H227 Combustible liquid. 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
GHS06
Signal word Danger Hazard statements
H227 Combustible liquid. H301+H311 Toxic if swallowed or in contact with skin.
H332 Harmful if inhaled. H315 Causes skin irritation.
H319 Causes serious eye irritation. Precautionary statements
P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P301+P310 IF ŚWALŁOWED: Immediately call a POISON CENTER/ doctor/ P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P361 Take off immediately all contaminated clothing. P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations. <b>WHMIS classification</b>
B3 - Combustible liquid D1B - Toxic material causing immediate and serious toxic effects
D1B - Toxic material causing immediate and serious toxic effects D2B - Toxic material causing other toxic effects
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Classification system
HMIS ratings (scale 0-4)
(Hazardouš Materials Identification System)         Health (acute effects) = 2
FRE     Planmability = 2       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:
CAS# Description: 3430-22-6 3-Bromo-4-methylovridine

3430-22-6 3-Bromo-4-methylpyridine

Product name: 3-Bromo-4-methylpyridine			
		(Contd. of page 1)	
4	<ul> <li>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.             Information for doctor             Most important symptoms and effects, both acute and delayed No further relevant information available.      </li> </ul>		
5	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 bromide (HBr) Advice for firefighters Protective equipment: Wear self-contained respirator. Wear fully protective impervious suit.		
6	<ul> <li>6 Accidental release measures</li> <li>Personal precautions, protective equipment and emergency procedures</li> <li>Wear protective equipment. Keep unprotected persons away.</li> <li>Ensure adequate ventilation</li> <li>Environmental precautions: Do not allow material to be released to the environment without proper governmental permits.</li> <li>Methods and material for containment and cleaning up:</li> <li>Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).</li> <li>Dispose of contaminated material as waste according to section 13.</li> <li>Ensure adequate ventilation.</li> <li>Prevention of secondary hazards: Keep away from ignition sources.</li> <li>Reference to other sections</li> <li>See Section 7 for information on personal protection equipment.</li> <li>See Section 13 for disposal information.</li> </ul>		
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: Keep ignition sources away.         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.         Store in cool, dry conditions in well sealed containers.		
8	B       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       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 solled 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.         Breating equipment:         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 clothing.		
9	9 Physical and chemical properties		
	Information on basic physical and chemical properties General Information Appearance: Form: Liquid		
		(Contd. on page 3)	

## Product name: 3-Bromo-4-methylpyridine

Product name: 3-Bromo-4-methylpyridine				
		(Contd. of page 2)		
Color: Odor:	Colorless Not determined			
Odor threshold:	Not determined.			
•	Not determined.			
Boiling point/Boiling range: Sublimation temperature / start:	Not determined 199-200 °C (390-392 °F) Not determined			
	79 °C (174 °F) Not determined Not determined Not determined			
Auto igniting:	Not determined. Product does not present an explosion hazard			
Explosion limits: Lower: Upper: Vapor pressure: Density at 20 °C (68 °F): Relative density	Product does not present an explosion hazard. Not determined Not determined 1.549 g/cm <sup>3</sup> (12.926 lbs/gal) Not determined			
Evaporation rate Solubility in / Miscibility with Water: Partition coefficient (n-octanol/water): Viscosity:	Not determined. Not determined. Not miscible or difficult to mix Not determined. Not determined.			
kinematic:	Not determined. No further relevant information available.			
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 Hydrogen bromide				
11 Toxicological information         Information on toxicological effects         Acute toxicity:         Harmful if inhaled.         Toxic in contact with skin.         Toxic is swallowed.         Danger through skin absorption.         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: No effects known.         Germ cell mutagenicity: No effects known.         Carcinogenicity: No effects known.         Specific target organ system toxicity - repeated exposure: No effects known.         Specific target organ system toxicity - single exposure: No effects known.         Aspiration hazard: No effects known.         Specific target organ system toxicity - single exposure: No effects known.         Subscription hazard: No effects known.         Aspiration hazard: 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. 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 relevant information available.				
13 Disposal considerations Waste treatment methods Recommendation Consult state, local of Uncleaned packagings: Recommendation: Disposal must be ma	r national regulations to ensure proper disposal. ade according to official regulations.	usa –		

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Product name: 3-Bromo-4-methylpyridine

## (Contd. of page 3) 14 Transport information Not a hazardous material for transportation **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. 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 15 Regulatory information Safety, health and environmental regulations/legislation specific for the substance or mixture GHS label elements The product is classified and labeled in accordance with 29 CFR 1910 (OSHA HCS) Hazard pictograms R GHS06 Signal word Danger Hazard statements Hazard statementsH227Combustible liquid.H301+H311Toxic if swallowed or in contact with skin.H332Harmful if inhaled.H315Causes skin irritation.H319Causes serious eye irritation. Precautionary statements P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking. P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor/... P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P361 P405 Take off immediately all contaminated clothing. Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations. National regulations National regulations This product is not listed in the U.S. Environmental Protection Agency Toxic Substances Control Act Chemical Substance Inventory. Use of this product is restricted to research and development only. This product must be used by or directly under the supervision of a technically qualified individual as defined by TSCA. This product must not be used for commercial purposes or in formulations for commercial purposes. SARA Section 313 (specific toxic chemical listings) Substance is not listed. California Proposition 65 Prop 65 - Chemicals known to cause cancer Substance is not listed. Prop 65 - Developmental toxicity, female Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Information about limitation of use: For use only by technically qualified individuals. Other regulations, limitations and prohibitive regulations Substance of Very High Concern (SVHC) according to the REACH Regulations (EC) No. 1907/2006. Substance is not listed. The conditions of restrictions according to Article 67 and Annex XVII of the Regulation (EC) No 1907/2006 (REACH) for the manufacturing, placing on the market and use observed. market and use must be observed. Substance Annex XIV of the REACH Regulations (requiring Authorisation for use) Substance is not listed. Chemical safety assessment: A Chemical Safety Assessment has not been carried out. 16 Other information Employers should use this information only as a supplement to other information gathered by them, and should make independent judgement of suitability of this information to ensure proper use and protect the health and 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 combination with any other product or process, is the responsibility of the user. Department issuing SDS: Global Marketing Department Date of preparation / last revision 11/23/2015 / -Date of preparation / last revision 11/23/2015/ -Abbreviations and acronyms: RID: Rejuement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail) IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA) ICAO: International Civil Aviation Organization ICAO: International Maritime Code for Dangerous Goods DOT: US Department of Transportation IATA: International Air Transport Association" (ICAO) IMDE: International Kime Code for Dangerous Goods DOT: US Department of Transportation IATA: International Air Transport Association CAS: Chemical Abstracts Service (division of the American Chemical Society) HMIS: Hazardous Materials Identification System (USA) WHMIS: Workplace Hazardous Materials Information System (Canada) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent LD50: Corpetional Safety and Health Administration (USA) NTP: National Toxicology Program (USA) IATA: Oncupational Xafety and Health Administration (USA) IATA: Oncupational Xafety and Health Administration (USA) IATA: International Xafety and Health Administration (USA) IATA: International Agency for Research on Cancer EPA: Environmental Protection Agency (USA) USA