



1 Identification
Product identifier
Product name: 2-Bromo-5-iodo-3-methylpyridine Stock number: 427025
Stock number: H27035 CAS Number: 65550-78-9
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: Call Carechem 24 at +44 (0) 1865 407333
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.
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
GHS06
Signal word Danger Hazard statements
H301 Toxic if swallowed. H315 Causes skin irritation.
H319 Causes serious eve irritation.
H335 May cause respiratory irritation.  Precautionary statements
P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P280 Wear protective gloves/protective clothing/eye protection/face protection. P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor/
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.
P405 Store locked up. P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
WHMIS classification
D1B - Toxic material causing immediate and serious toxic effects D2B - Toxic material causing other toxic effects
Classification system HMIS ratings (scale 0-4)
(Hazardouš Materials Identification System)
HEALTH 1 Health (acute effects) = 1 RRE 1 Flammability = 1 REACTIVITY 1 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:
65550.78.0 9.Bromo.5.iodo.3.methylovridine

65550-78-9 2-Bromo-5-iodo-3-methylpyridine

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Product name: 2-Bromo-5-iodo-3-methylpyridine	
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<ul> <li>4 First-aid measures</li> <li>Description of first aid measures</li> <li>After inhalation</li> <li>Supply fresh air. If required, provide artificial respiration. Keep patient warm.</li> <li>Seek immediate medical advice.</li> <li>After skin contact</li> <li>Immediately wash with water and soap and rinse thoroughly.</li> <li>Seek immediate medical advice.</li> <li>After eye contact Rinse opened eye for several minutes under running water. Then consult a doctor.</li> <li>After swallowing Seek medical treatment.</li> <li>Information for doctor</li> <li>Most important symptoms and effects, both acute and delayed No further relevant information available.</li> <li>Indication of any immediate medical attention and special treatment needed No further relevant information available.</li> </ul>	
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) Hydrogen oxides (HD) 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: Dispose of contaminated material as waste according to section 13. 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. Store in the dark. Further information about storage conditions: Keep container tightly sealed. Store in cool, dry conditions in well sealed containers. Protect from exposure to light. 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 fazardous 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 solied 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 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 Exposure controls and success Exposure controls and success Penetration time of glove material (in minutes) Not determined Exposition is an ergonomical in particular in minutes) Not determined Exposition is an ergonomical in manufacturer to manufacturer. Penetration time of glove material (in minutes) Not determined Exposition is an ergonomical in particular in minutes) Not determined Exposition is an ergonomical in manufacturer to manufacturer.	
Eye protection: Safety glasses Body protection: Protective work clothing.	USA USA
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9 Physical and chemical properties	S			
Information on basic physical and che General Information Appearance: Form: Color: Odor:				
Odor threshold:	Not determined.			
pH-value:	Not applicable.			
Change in condition Melting point/Melting range: Boiling point/Boiling range: Sublimation temperature / start:	43-46 °C (109-115 °F) Not determined Not determined			
Flash point: Flammability (solid, gaseous) Ignition temperature: Decomposition temperature: Auto igniting:	Not applicable Not determined. Not determined Not determined 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):	Product does not present an explosion hazard. Not determined Not applicable. Not determined Not determined. Not determined. Not applicable. Not applicable. Insoluble : Not determined.			
Viscosity: dynamic: kinematic: Other information	Not determined. 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 Light Hazardous decomposition products: Carbon monoxide and carbon dioxide Hydrogen bromide Hydrogen iodide (HI) Nitrogen oxides				
11 Toxicological information Information on toxicological effects Acute toxicity: Harmful if swallowed. 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. Carcinogenicity: No effects known. Carcinogenicity: 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. 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 material to be released to the environment without proper governmental permits. Do not allow material to the environment. 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	or national regulations to ensure proper disposal.	(Contd. on page 4)		

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roduct name: 2-Bromo-5-iodo-3-methylpyridine	
Uncleaned packagings: Recommendation: Disposal must be made according to official regulation	(Contd. of page
<b>4 Transport information</b> 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	C Code Not applicable.
Transport/Additional information:	Not dangerous according to the above specifications.
DOT Marine Pollutant (DOT):	No
H301 Toxic if swallowed.         H315 Causes skin irritation.         H315 Causes serious eye irritation.         H335 May cause respiratory irritation.         H355 May cause respiratory irritation.         Precautionary statements         P261       Avoid breathing dust/fume/gas/mist/vapours/spray.         P280       Wear protective gloves/protective clothing/eye protective         P301+P310       IF SWALLOWED: Immediately call a POISON CENTE         P305+P351+P338 IF IN EYES: Rinse cautiously with water for several mined to be spose of contents/container in accordance with local	inutes. Remove contact lenses, if present and easy to do. Continue rinsing.
National regulations' This product is not listed in the U.S. Environmental Protection Agency Tox to research and development only. This product must be used by or direct product must not be used for commercial purposes or in formulations for c SARA Section 313 (specific toxic chemical listings) Substance is not li California Proposition 65 Prop 65 - Chemicals known to cause cancer Substance is not listed. Prop 65 - Developmental toxicity 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. 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.	d individuals. egulations (EC) No. 1907/2006. Substance is not listed. If of the Regulation (EC) No 1907/2006 (REACH) for the manufacturing, placing on th
6 Other information Employers should use this information only as a supplement to other infor information to ensure proper use and protect the health and safety of emp conformance with this Material Safety Data Sheet, or in combination with a Department issuing SDS: Global Marketing Department Date of preparation / last revision 11/24/2015 / - Abbreviations and acronyms: IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transport Association 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 UPUB: very Persistent and very Bioaccumulative ACGIH: American Conference of Governmental Industrial Hygienists (USA) OSHA: Occupational Safety and Health Administration (USA) NTP: National Toxicology Program (USA) IARC: International Agency for Research on Cancer EPA: Environmental Protection Agency (USA)	rmation gathered by them, and should make independent judgement of suitability of this oloyees. This information is furnished without warranty, and any use of the product not in any other product or process, is the responsibility of the user.
IARU: International Agency tor Research on Cancer EPA: Environmental Protection Agency (USA)	

USA