



1 Identification Product identifier Product name: 2-Amino-5-bromo-3-nitropyridine Stock number: A14985, L10507 CAS Number: 6945-68-2 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 Alla Aesai Thermo Fisher Scientific Chemicals, Inc. 30 Bond Street Ward Hill, MA 01835-8099 Tel: 800-343-0660 Fax: 800-322-4757 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 Acute Tox. 4 H302 Harmful if swallowed. 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 H302 Harmful if swallowed. H315 Causes skin irritation. H319 Causes serious eye irritation. H335 May cause respiratory irritation. Precautionary statements 2000 P280 Wear protective gloves / protective clothing. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. WHMIS classification D1B - Toxic material causing immediate and serious toxic effects D2B - Toxic material causing other toxic effects Т Classification system HMIS ratings (scale 0-4) (Hazardous Materials Identification System) HEALTH 2 Health (acute effects) = 2 HEE 1 Flammability = 1 HEACTWITY 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: 6945-68-2 2-Amino-5-bromo-3-nitropyridine 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. (Contd. on page 2)

## Product name: 2-Amino-5-bromo-3-nitropvridine

Product name: 2-Amino-5-bromo-3-nitropyridine			
Indication of any immediate medical a	attention and special treatment needed No further relevant information available.	(Contd. of page 1)	
5 Fire-fighting measures Extinguishing media Suitable extinguishing agents Use can Special hazards arising from the subs If this product is involved in a fire, the for Carbon monoxide and carbon dioxide Nitrogen oxides (NOx) Possibly Hydrogen cyanide (HCN) Hydrogen bromide (HBr) Advice for firefighters Protective equipment: Wear self-contained respirator. Wear fully protective impervious suit.	rbon dioxide, extinguishing powder or foam. Water may be ineffective but may be used for cooling expose stance or mixture llowing can be released:	d containers.	
6 Accidental release measures Personal precautions, protective equi Wear protective equipment. Keep unpro Environmental precautions: Do not all Methods and material for containmen Dispose of contaminated material as wa Ensure adequate ventilation. Prevention of secondary hazards: No Reference to other sections See Section 7 for information on safe ha See Section 8 for information on person See Section 13 for disposal information.	tected persons away. low material to be released to the environment without proper governmental permits. <b>t and cleaning up:</b> ste according to section 13. special measures required. andling al protection equipment.		
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.			
<ul> <li>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.     </li> <li>Control parameters         Components with limit values that require monitoring at the workplace: Not required.     </li> <li>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 hand before breaks and at the end of work.         Avoid contact with the eyes and stime motion for oncentrations are present.         Protection of hands:             impervious gloves             Check protectives gloves prior to each use for their proper condition.             The selective gloves prior to each use for their proper condition.             The selective gloves prior to each use for their proper condition.             The selective of suitable gloves on tonly depends on the material, but also on quality.             Quality will vary from manufacturer to manufacturer.      </li> </ul>			
Body protection: Protective work clothi	ng.		
9 Physical and chemical properties Information on basic physical and che General Information Appearance:			
Form: Color: Odor: Odor threshold:	Crystalline powder Yellow Not determined Not determined.		
pH-value: Change in condition Melting point/Melting range: Boiling point/Boiling range: Sublimation temperature / start:	Not applicable. 206-210 °C (403-410 °F) 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)	
		(Contd. on page 3) USA –	

## Product name: 2-Amino-5-bromo-3-nitropyridine

Page 3/4 Printing date 11/23/2015 Reviewed on 06/04/2010

Product name: 2-Amino-5-bromo-3-	nitropyridine	
		(Contd. of page 2)
Auto igniting:	Not determined.	
Danger of explosion: Explosion limits:	Product does not present an explosion hazard.	
Lower:	Not determined	
Upper: Vapor pressure:	Not determined Not applicable.	
Density:	Not determined	
Relative density Vapor density	Not determined. Not applicable.	
Evaporation rate Solubility in / Miscibility with	Not applicable.	
Water:	Insoluble	
Partition coefficient (n-octanol/water) Viscosity:	: Not determined.	
dynamic:	Not applicable.	
kinematic: Other information	Not applicable. No further relevant information available.	
10 Stability and reactivity		
Reactivity No information known		
Conditions to avoid No further relevan Incompatible materials: Oxidizing age	nts	
Hazardous decomposition products: Carbon monoxide and carbon dioxide Nitrogen oxides Hydrogen bromide Possibly Hydrogen cyanide (HCN)		
Possibly Hydrogen cyanide (HCN) 11 Toxicological information		
Information on toxicological effects Acute toxicity: Harmful if swallowed. LD/LC50 values that are relevant for of Skin irritation or corrosion: Causes se Eye irritation or corrosion: Causes se Sensitization: No sensitizing effects kno Germ cell mutagenicity: No effects kno Carcinogenicity: No effects know Specific target organ system toxicity Specific target organ system toxicity Aspiration hazard: No effects known. Subacute to chronic toxicity: No effects	kin irritation. rious eye irritation. lown. own. o on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH. wn. - <b>repeated exposure:</b> No effects known. - <b>single exposure:</b> May cause respiratory irritation.	
12 Ecological information Toxicity Aquatic toxicity: No further relevant ini Persistence and degradability No furth Bioaccumulative potential No further i	her relevant information available. relevant information available.	
Mobility in soil No further relevant infol Additional ecological information: General notes:		
Do not allow undiluted product or large ( Avoid transfer into the environment. <b>Results of PBT and vPvB assessmen</b>	the environment without proper governmental permits. quantities to reach ground water, water course or sewage system. I <b>t</b>	
<b>PBT:</b> Not applicable. vPvB: Not applicable. Other adverse effects No further releva	ant information available.	
13 Disposal considerations Waste treatment methods Recommendation Consult state, local o Uncleaned packagings: Recommendation: Disposal must be m	or national regulations to ensure proper disposal. nade according to official regulations.	
<b>14 Transport information</b> Not a hazardous material for transportat	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)

(Contd. on page 4)

