

Safety Data Sheet per OSHA HazCom 2012

1 Identification Product identifier Product name: 2-Amino-5-fluoro-3-nitropyridine Stock number: H61293 CAS Number: 212268-12-7 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 D061 Precautionary statements 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 P405 Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations. WHMIS classification D2B - Toxic material causing other toxic effects Т Classification system HMIS ratings (scale 0-4) (Hazardous Materials Identification System)
 EALTH
 2
 Health (acute effects) = 2

 RE
 1
 Flammability = 1

 EACTIVITY
 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: 212268-12-7 2-Amino-5-fluoro-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. (Contd. on page 2)

Product name: 2-Amino-5-fluoro-3-nitropyridine

Product name: 2-Amino-5-fluoro-3-nitropyridine	
After swallowing Seek medical treatment. Information for doctor Most important symptoms and effects, both acute and delaye Indication of any immediate medical attention and special tre	(Contd. of page 1) ad No further relevant information available. atment needed No further relevant information available.
5 Fire-fighting measures Extinguishing media Suitable extinguishing agents Carbon dioxide, extinguishing po 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 fluoride (HF) Nitrogen oxides (NOx) Advice for firefighters Protective equipment: Wear self-contained respirator. Wear fully protective impervious suit.	wder or water spray. Fight larger fires with water spray or alcohol resistant foam.
6 Accidental release measures Personal precautions, protective equipment and emergency of Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation Environmental precautions: Do not allow product to reach seware Methods and material for containment and cleaning up: Dispose of contaminated material as waste according to section 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.	age system or any water course. 13.
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 Conditions for safe storage, including any incompatibilities Storage Requirements to be met by storerooms and receptacles: No Information about storage in one common storage facility: St 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.	special requirements.
Control parameters Components with limit values that require monitoring at the vertice of the product does not contain any relevant quantities of materials Additional information: No data Exposure controls Personal protective equipment General protective and hygienic measures The usual precautionary measures for handling chemicals should 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 concert. Recommended filter device for short term use: Use a respirator with type P100 (USA) or P3 (EN 143) cartridges purifying respirators are appropriate. Only use equipment tested Protection of hands: Immervious gloves	be followed. Itrations are present. as a backup to engineering controls. Risk assessment should be performed to determine if air-
9 Physical and chemical properties	
Information on basic physical and chemical properties General Information Appearance: Form: Crystalline Color: Orange Odor: Not determined Odor threshold: Not determined.	
pH-value: Not applicable. Change in condition Not dotormined	
Melting point/Melting range: Not determined	

2-Amino-5-fluoro-3-nitronvriding Product r

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Product name: 2-Amino-5-fluoro-3-	nitropyridine	
		(Contd. of page 2)
Boiling point/Boiling range: Sublimation temperature / start:	Not determined Not determined	
Flammability (solid, gaseous) Ignition temperature:	Not determined. Not determined	
Decomposition temperature:	Not determined	
Auto igniting: Danger of explosion:	Not determined. Not determined.	
Explosion limits:		
Lower: Upper:	Not determined Not determined	
Vapor pressure: Density:	Not applicable. Not determined	
Relative density Vapor density	Not determined. Not applicable.	
Evaporation rate	Not applicable.	
Solubility in / Miscibility with Water:	Not determined	
Partition coefficient (n-octanol/water Viscosity:): Not determined.	
dynamic: kinematic:	Not applicable. Not applicable.	
Other information	No further relevant information available.	
10 Stability and reactivity		
Reactivity No information known.		
Chemical stability Stable under recon	nmended storage conditions. to be avoided: Decomposition will not occur if used and stored according to specifications.	
Possibility of hazardous reactions R	eacts with strong oxidizing agents	
Conditions to avoid No further relevant Incompatible materials: Oxidizing age	ents	
Hazardous decomposition products: Carbon monoxide and carbon dioxide		
Hydrogen fluoride Nitrogen oxides		
-		
11 Toxicological information		
Information on toxicological effects Acute toxicity: Harmful if swallowed.		
LD/LC50 values that are relevant for Skin irritation or corrosion: Causes s	classification: No data	
Eve irritation or corrosion: Causes se	erious eye irritation.	
Sensitization: No sensitizing effects known. Germ cell mutagenicity: No effects known.		
Carcinogenicity: No classification data on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH. Reproductive toxicity: 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 effe 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 undiluted product or large quantities to reach ground water, water course or sewage system.		
Avoid transfer into the environment.		
PBT: Not applicable.		
Other adverse effects No further relev	vant information available.	
13 Disposal considerations		
Waste treatment methods		
Recommendation Consult state, local or national regulations to ensure proper disposal. Uncleaned packagings:		
Recommendation: Disposal must be r	nade according to official regulations.	
14 Transport information		
UN-Number DOT, ADN, IMDG, IATA	Not applicable	
UN proper shipping name		
DOT, ADN, IMDG, ĬATA Transport hazard class(es)	Not applicable	
DOT, ADR, ADN, IMDG, IATA		
Class	Not applicable	
Packing group DOT, IMDG, IATA	Not applicable	
Environmental hazards:	Not applicable.	
		(Contd. on page 4)

(Contd. on page 4)

