



1 Identification	
Product identifier	
Product name: 2-Chloro-3-cyano-6-methylpyridine	
Stock number: A15648, L09517	
CAS Number: 28900-10-9	
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	
Wald Thii, MA 0153-0059 Tel: 800-343-0660 Fax: 800-322-4757	
Fax. 800-322-4737 Email: tech@alfa.com www.alfa.com	
www.ana.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) 928-07	<i>'</i> 89.
2 Hazard(s) identification	
Classification of the substance or mixture in accordance with 29 CFR 1910 (OSHA HCS)	
GHS05 Corrosion	
Eye Dam. 1 H318 Causes serious eye damage.	
GHS07	
Acute Tox. 4 H302 Harmful if swallowed. Skin Irrit. 2 H315 Causes skin 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	
GHS05 GHS07	
Signal word Danger Hazard statements	
H302 Harmful if swallowed. H315 Causes skin irritation.	
H318 Causes serious eye damage. H335 May cause respiratory irritation. Precautionary statements	
Precautionary statements P261 Avoid breathing dust/fume/gas/mist/vapours/sprav.	
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.	
P304+P340 IF INHALED: 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	
D1B - Toxic material causing immediate and serious toxic effects D2B - Toxic material causing other toxic effects	
Classification system	
HMIS ratings (scale 0-4) (Hazardous Materials Identification System)	
HEALTH 2 FIRE 1 FIRE 1	
REACTIVITY Physical Házard = 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: 28900-10-9 2-Chloro-3-cyano-6-methylpyridine	
4 First-aid measures	
Description of first aid measures	
After inhalation Supply fresh air. If required, provide artificial respiration. Keep patient warm.	(Control on the set of
	(Contd. on page 2) USA

Safety Data Sheet per OSHA HazCom 2012

Product name: 2-Chloro-3-cyano-6-methylpyridine

Seek immediate medical advice.		(Contd. of page 1)	
After skin contact	and rinse thoroughly		
Immediately wash with water and soap a Seek immediate medical advice.	n og under singer ander		
After eye contact Rinse opened eye for After swallowing Seek medical treatme	r several minutes under running water. Then consult a doctor.		
Information for doctor			
Indication of any immediate medical a	s, both acute and delayed No further relevant information available. attention and special treatment needed No further relevant information available.		
5 Fire-fighting measures			
Extinguishing media	diavida avtinguishing naudar ar water area. Finkt lange first with water		
Special hazards arising from the subs	dioxide, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.		
If this product is involved in a fire, the fol Carbon monovide and carbon diovide	llowing can be released:		
Nitrogen oxides (NOx) Hydrogen chloride (HCI)			
Hydrogen cyanide (HCN)			
Advice for firefighters Protective equipment:			
Wear self-contained respirator. Wear fully protective impervious suit.			
6 Accidental release measures Personal precautions, protective equi	ipment and emergency procedures		
Wear protective equipment. Keep unpro	tected persons away.		
Ensure adequate ventilation Environmental precautions: Do not all	low material to be released to the environment without proper governmental permits.		
Methods and material for containmen Dispose of contaminated material as wa	it and cleaning up:		
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	al 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 of	containers.		
Ensure good ventilation at the workplace	е.		
Information about protection against Conditions for safe storage, including	explosions and fires: No information known. g any incompatibilities		
Storage			
Information about storage in one com	ns and receptacles: No special requirements. Imon storage facility: Store away from oxidizing agents. Inditiones:		
Further information about storage con Keep container tightly sealed.			
Store in cool, dry conditions in well seale Specific end use(s) No further relevant	ed containers. information available.		
8 Exposure controls/personal prote			
Additional information about design of	of technical systems:		
Properly operating chemical tume 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 rec	quire monitoring at the workplace: Not required.		
Additional information: No data	- ·		
Exposure controls Personal protective equipment			
General protective and hygienic meas The usual precautionary measures for h	andling chemicals should be followed.		
Keen away from foodsfuffs beverages a	and feed		
Remove all soiled and contaminated clo Wash hands before breaks and at the er	nd of work.		
Avoid contact with the eyes and skin. Maintain an ergonomically appropriate w	vorking environment.		
Breatning equipment: Use suitable res	pirator when high concentrations are present.		
Impervious gloves Check protective gloves prior to coch us	e for their proper condition		
The protocial suitable gloves not only	se for their proper condition. v depends on the material, but also on quality. Quality will vary from manufacturer to manufacturer.		
Eye protection: Tightly sealed goggles Body protection: Protective work clothi			
9 Physical and chemical properties	· · · · · · · · · · · · · · · · · · ·		
Information on basic physical and chemical properties			
General Information Appearance: Form:			
Form: Color:	Powder Light brown		
Odor:	Not determined		
Odor threshold: pH-value:	Not determined. Not applicable.		
		(Contd. on page 3) USA	
		USA -	

Product name: 2-Chloro-3-cyano-6-methylpyridine

Page 3/4 Printing date 11/24/2015 Reviewed on 08/05/2009

roduct name: 2-Chloro-3-cyano-6-n	nethylpyridine		
		(Contd. of page 2)	
Change in condition Melting point/Melting range: Boiling point/Boiling range: Sublimation temperature / start:	114-117 °C (237-243 °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:	Product does not present an explosion hazard. Not determined		
Upper: Vapor pressure: Density:	Not determined Not applicable. Not determined		
Relative density Vapor density Evaporation rate Solubility in / Miscibility with	Not determined. Not applicable. Not applicable.		
Water: Partition coefficient (n-octanol/water): Viscosity:			
dynamic: kinematic: Other information	Not applicable. Not applicable. No further relevant information available.		
10 Stability and reactivity Reactivity No information known			
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 chloride (HCI) Hydrogen cyanide			
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 damage. Sensitization: No sensitizing 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 - repeated exposure: May cause respiratory irritation. Aspiration hazard: 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. 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 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 releval	nt information available.		
Waste treatment methods	r national regulations to ensure proper disposal. ade according to official regulations.		
14 Transport information Not a hazardous material for transportatio UN-Number	on.		
DOT, IMDG, IATA	None		
UN proper shipping name DOT, IMDG, IATA	None	(Contd. on page 4)	
		USA —	

Product name: 2-Chloro-3-cyano-6-methylpyridine			
	(Contd. of page 3)		
Transport hazard class(es) DOT, ADR, IMDG Class IATA Class	None 9 Miscellaneous dangerous substances and articles. 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 Cod			
Transport/Additional information: DOT	Not dangerous according to the above specifications.		
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 GHS05 GHS07			
Signal word Danger Hazard statements H302 Harmful if swallowed. H315 Causes skin irritation. H316 Causes serious eye damage. H337 May cause respiratory irritation. Precautionary statements P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P304-P331 F 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 Store locked up. P405 Store locked up. P405 Dispose of contents/container in accordance with local/regional/national/international regulations. National regulations This product must be used by or directly under the supervision of a technically qualified individual as defined by TSCA. 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. Prop 65 - Developmental toxicity, female Substance is not listed. Prop 65 - Developmental toxicity, female Substance is			
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 11/24/2015 / - Abbreviations and acronyms: RID: Reglement 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 to regulations by the "International Air Transport Association" (IATA) ICAO: International Civil Aviation Organization (ICAO) IMA: International Abstracts Service (division of the American Chemical Society) HMIS: Workplace Hazardous Materials Information System (Canade) LSO: Lethal dose, 50 percent VPW: VP Persistent and very Bioaccumulative ACGIH: American Conternet of Governmentel Industrial Hygienists (USA) OSHA: Conceptory Program (USA) WPW: VS: Vortpace Hazardous Material Industrial Hygienists (USA) OSHA: Conternation Agency (USA)			