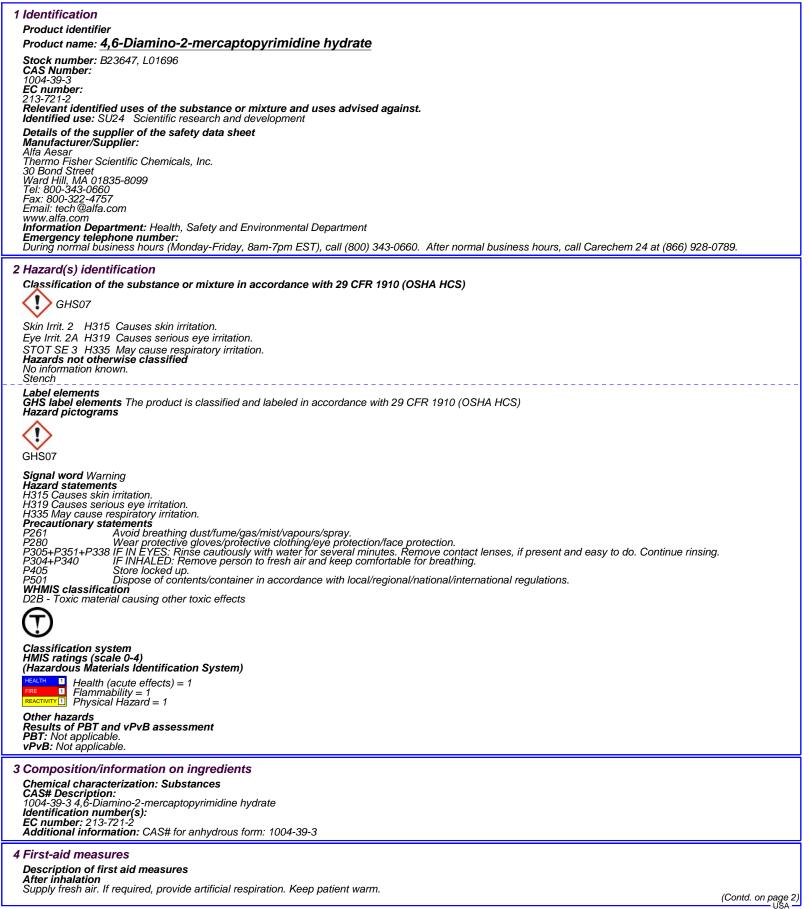


Safety Data Sheet per OSHA HazCom 2012



Safety Data Sheet per OSHA HazCom 2012

Product name: 4,6-Diamino-2-mercaptopyrimidine hydrate

Seek immediate medical advice.		(Contd. of page 1)	
After skin contact	and rinse thoroughly		
Seek immediate medical advice.	Immediately wash with water and soap and rinse thoroughly. Seek immediate medical advice.		
After eye contact Rinse opened eye for After swallowing Seek medical treatm	or several minutes under running water. Then consult a doctor. ent.		
Information for doctor			
Indication of any immediate medical	ts, 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			
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) Sulfur oxides (SOx)			
Advice for firefighters			
Protective equipment: Wear self-contained respirator.			
Wear fully protective impervious suit.			
6 Accidental release measures			
Personal precautions, protective equ	ipment and emergency procedures		
Wear protective equipment. Keep unprotected persons away.			
Environmental precautions: Do not a	llow material to be released to the environment without proper governmental permits.		
Prevention of secondary hazards: No	Methods and material for containment and cleaning up: 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 person See Section 13 for disposal information	nal 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, includin			
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	t information available.		
8 Exposure controls/personal prot	tection		
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 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 mea			
The usual precautionary measures for I	handling chemicals should be followed		
Keep away from foodstuffs, beverages Remove all soiled and contaminated clo	othing immediately.		
Wash hands before breaks and at the e Avoid contact with the eves and skin.	and of work.		
Maintain an ergonomically appropriate	working environment. spirator when high concentrations are present.		
Protection of hands:			
Impervious gloves Check protective gloves prior to each u	se for their proper condition.		
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 cloth	ina.		
9 Physical and chemical properties Information on basic physical and ch			
General Information			
Appearance: Form:	Powder		
Color: Odor:	Pale yellow Stench		
Odor threshold:	Not determined.		
pH-value:	Not applicable.		
Change in condition Melting point/Melting range:	>300 °C (>572 °F)		
		(Contd. on page 3)	

Product name: 4.6-Diamino-2-mercaptopyrimidine hydrate

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Product name: 4,6-Diamino-2-merca	ntonvrimidine hydrate	
	(Contd. of page 2)	
Boiling point/Boiling range: Sublimation temperature / start:	Not determined Not determined	
Flash point:	Not applicable	
Flammability (solid, gaseous)	Not determined.	
Ignition temperature: Decomposition temperature:	Not determined Not determined	
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:	Not determined	
Partition coefficient (n-octanol/water): Viscosity:	ivot determined.	
dynamic: kinematic:	Not applicable.	
Other information	Not applicable. No further relevant information available.	
0 Stability and reactivity		
Reactivity No information known.	nandad ataraga ganditiana	
Thermal decomposition / conditions t	nended storage conditions. o be avoided: Decomposition will not occur if used and stored according to specifications.	
Possibility of hazardous reactions No Conditions to avoid No further relevant	dangerous reactions known	
Incompatible materials: Oxidizing ager	into mation available.	
Hazardous decomposition products: Carbon monoxide and carbon dioxide		
Nitrogen oxides		
Sulfur oxides (SOx)		
1 Toxicological information		
Information on toxicological effects		
Acute toxicity: No effects known. LD/LC50 values that are relevant for c	lassification: No data	
Skin irritation or corrosion: Causes sk	in irritation.	
Eye irritation or corrosion: Causes ser Sensitization: No sensitizing effects kno	rious eye irritation. own.	
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: Thiols/mercaptans may be skin, eye and respiratory irritants. Inhalation may cause central nervous system effects. Often the strong penetrating odor acts to		
minimize inhalation exposure.		
Additional toxicological information:	To the best of our knowledge the acute and chronic toxicity of this substance is not fully known.	
2 Ecological information		
Toxicity	ormation overlights	
Aquatic toxicity: No further relevant info Persistence and degradability No furth	ner relevant information available.	
Bioaccumulative potential Nó further re Mobility in soil No further relevant infor	elevant information available.	
Additional ecological information:	malion available.	
General notes:	he environment without proper governmental permits.	
Do not allow undiluted product or large of	juantities 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 releva	nt information available.	
3 Disposal considerations		
Waste treatment methods Recommendation Consult state local of	or national regulations to ensure proper disposal.	
Uncleaned packagings:		
Recommendation: Disposal must be m	ade according to official regulations.	
4 Transport information		
Not a hazardous material for transportati UN-Number	01.	
DOT, ÎMDĞ, IATA	None	
UN proper shipping name DOT, IMDG, IATA	None	
	(Contd. on page 4)	

Product name: 4,6-Diamino-2-mercaptopyrimidine h	nvdrate
	(Contd. of page 3)
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	
Transport/Additional information:	Not dangerous according to the above specifications.
DOT Marine Pollutant (DOT):	No
15 Regulatory information Safety, health and environmental regulations/legislation s GHS label elements The product is classified and labeled in a Hazard pictograms GHS07 Signal word Warning Hazard statements H315 Causes skin irritation.	specific for the substance or mixture accordance with 29 CFR 1910 (OSHA HCS)
H319 Causes serious eye irritation. H335 May cause respiratory irritation. Precautionary statements P261 Avoid breathing dust/fume/gas/mist/vapour P280 Wear protective gloves/protective clothing/ P305+P351+P338 IF IN EYES: Rinse cautiously with water for P304+P340 P304+P340 IF INHALED: Remove person to fresh air a P405 Store locked up. P501 Dispose of contents/container in accordand National regulations All components of this product are listed in the U.S. Environm All components of this product are listed on the Canadian Nor SARA Section 313 (specific toxic chemical listings) Substat California Proposition 65 Prop 65 - Developmental toxicity 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 for according to the toxing to Article 67 and market and use must be observed. Substance is not listed. Annex XIV of the REACH Regulations (requiring Authorisa Chemical safety assessment: A Chemical Safety Assessment	y/eye protection/face protection. or several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. and keep comfortable for breathing. nce with local/regional/national/international regulations. nental Protection Agency Toxic Substances Control Act Chemical substance Inventory. on-Domestic Substances List (NDSL). stance is not listed. a not listed. t listed. sted. ically qualified individuals. e REACH Regulations (EC) No. 1907/2006. Substance is not listed. d Annex XVII of the Regulation (EC) No 1907/2006 (REACH) for the manufacturing, placing on the
 16 Other information Employers should use this information only as a supplement to information to ensure proper use and protect the health and si conformance with this Material Safety Data Sheet, or in combi Department issuing SDS: Global Marketing Department Date of preparation / last revision 11/23/2015 / - Abbreviations and acronyms: IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transport Association EINECS: European Inventory of Existing Commercial Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) HMIS: Hazardous Materials Information System (USA) WFMIS: Workplace Hazardous Materials Information System (Canada) LC50: Lethal concentration, 50 percent LD50: Lethal concentration divery Bioaccumulative ACGIH: American Conference of Governmental Industrial Hygienists (USA) OSHA: Occupational Safety and Health Administration (USA) MTP: National Toxicology Program (USA) IATP: National Toxicology Program USA 	to other information gathered by them, and should make independent judgement of suitability of this safety of employees. This information is furnished without warranty, and any use of the product not in bination with any other product or process, is the responsibility of the user.

INP: National Toxicology Program (USA) IARC: International Agency for Research on Cancer EPA: Environmental Protection Agency (USA)

USA