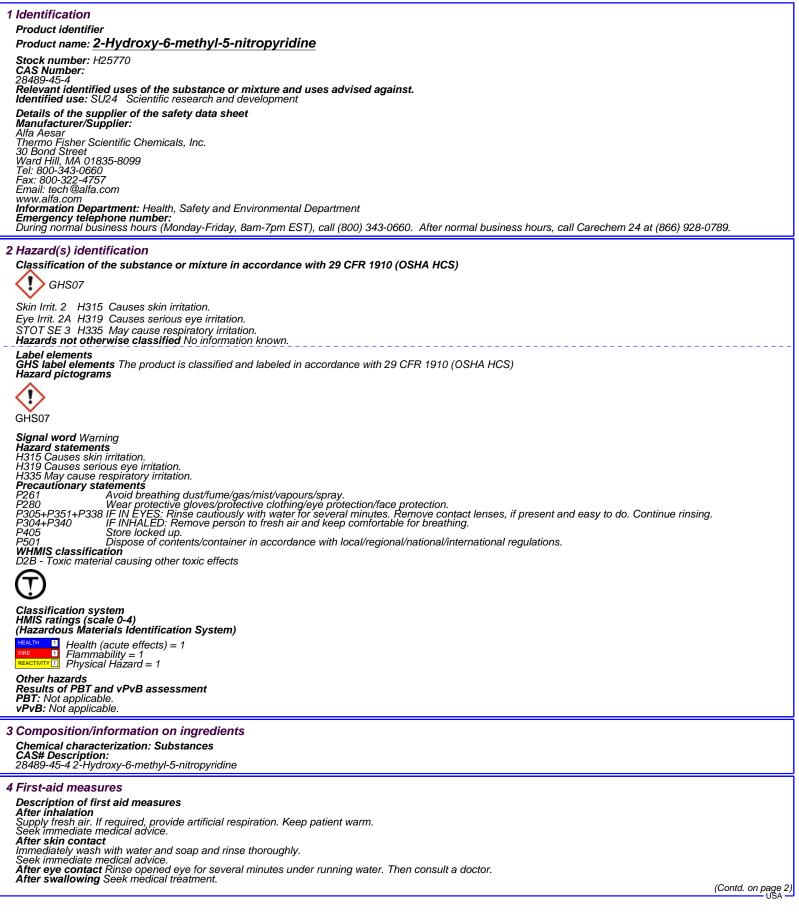


Safety Data Sheet per OSHA HazCom 2012



Product name: 2-Hydroxy-6-methyl-5-nitropyridine (Contd. of page 1) Information for doctor Most important symptoms and effects, both acute and delayed No further relevant information available. Indication of any immediate medical 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) 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: 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 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. 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. 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 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 concentrations are present. Protection of hands: Impervious gloves 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 clothing. 9 Physical and chemical properties Information on basic physical and chemical properties General Information Appearance: Form: Solid Odor: Not determined Odor threshold: Not determined. pH-value: Not applicable. Change in condition Melting point/Melting range: Boiling point/Boiling range: Sublimation temperature / start: Not determined Not determined Not determined Flash point: Flammability (solid, gaseous) Ignition temperature: Decomposition temperature: Not applicable Not determined. Not determined Not determined Auto igniting: Not determined (Contd. on page 3)

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Product name: 2-Hydroxy-6-methyl-5-nitropyridine

Product name: 2-Hydroxy-6-methyl-	b-nitropyridine	
		(Contd. of page 2)
Danger of explosion: Explosion limits:	Product does not present an explosion hazard.	
Lower:	Not determined	
Upper: Vapor pressure:	Not determined Not applicable.	
Density:	Not de'termined	
Relative density Vapor density	Not determined. Not applicable.	
Evaporation rate	Not applicable.	
Solubility in / Miscibility with Water:	Not determined	
Partition coefficient (n-octanol/water).	Not determined.	
Viscosity: dynamic:	Not applicable.	
kinematic:	Not applicable.	
Other information	No further relevant information available.	
10 Stability and reactivity		
Reactivity No information known.		
Chemical stability Stable under recomi	nended storage conditions.	
Thermal decomposition / conditions t Possibility of hazardous reactions No	o be avoided: Decomposition will not occur if used and stored according to specifications. dangerous reactions known	
Conditions to avoid No further relevant	t information available.	
Incompatible materials: Oxidizing ager Hazardous decomposition products:	ItS	
Hazardous decomposition products: Carbon monoxide and carbon dioxide		
Nitrogen oxides		
11 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 set Sensitization: No sensitizing effects kno	own.	
Germ cell mutagenicity: No effects kno	own.	
Reproductive toxicity: No effects know	on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH.	
Specific target organ system toxicity	- repeated exposure: No effects known.	
Aspiration hazard: No effects known.	- single exposure: May cause respiratory irritation.	
Subacute to chronic toxicity: No effec	ts 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 inf Persistence and degradability No furth	ormation available. Der relevant information available	
Bioaccumulative potential No further r	elevant information available.	
Mobility in soil No further relevant infor Additional ecological information:	mation available.	
General notes:		
Do not allow material to be released to the Do not allow undiluted product or large of Do not allow undiluted p	he environment without proper governmental permits. Juantities to reach ground water, water course or sewage system.	
Avoid transfer into the environment.	,	
PBT: Not applicable.		
vPvB: Not applicable. Other adverse effects No further releva	ant information quailable	
13 Disposal considerations		
Waste treatment methods	ar national regulations to ansure proper disposal	
Uncleaned packagings:	or national regulations to ensure proper disposal.	
Recommendation: Disposal must be m	ade according to official regulations.	
14 Transport information Not a hazardous material for transportati		
	ion.	
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	Nona	
DOT, IMDG, IATA Environmental hazards:	None Not applicable.	
Special precautions for user	Not applicable. Not applicable.	
	II of MARPOL73/78 and the IBC Code Not applicable.	
Transport/Additional information:	Not dangerous according to the above specifications.	
		(Contd. on page 4) USA
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roduct name: 2-Hydroxy-6-methyl-5-nitropyridine		
	(Contd. of page 3	
DOT Marine Pollutant (DOT):	No	
	s/legislation specific for the substance or mixture and labeled in accordance with 29 CFR 1910 (OSHA HCS)	
Signal word Warning Hazard statements H315 Causes skin irritation. H319 Causes serious eye irritation. P261 Avoid breathing dust/fume/ga P280 Wear protective gloves/protective gloves/	stings) Substance is not listed. Substance is not listed. s not listed. stance is not listed. poly by technically qualified individuals. a regulations cording to the REACH Regulations (EC) No. 1907/2006. Substance is not listed. Article 67 and Annex XVII of the Regulation (EC) No 1907/2006 (REACH) for the manufacturing, placing on the ring Authorisation for use) Substance is not listed.	
16 Other information Employers should use this information only as a information to ensure proper use and protect the conformance with this Material Safety Data Shee	a supplement to other information gathered by them, and should make independent judgement of suitability of this e health and safety of employees. This information is furnished without warranty, and any use of the product not in et, or in combination with any other product or process, is the responsibility of the user.	
Department issuing SDS: Global Marketing De Date of preparation / last revision 11/24/2015. Abbreviations and acronyms: IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transport Association CAS: Chemical Abstracts Service (division of the American Cher HMIS: Hazardous Materials Identification System (USA) WHMIS: Workplace Hazardous Materials Information System (C LC50: Lethal concentration, 50 percent LD50: Lethal concentration, 50 percent VPB: very Persistent and very Bioaccumulative ACGIH: American Conference of Governmental Industrial Hygiel OSHA: Occupational Safety and Health Administration (USA) NTP: National Toxicology Program (USA) IARC: International Agency for Research on Cancer EPA: Environmental Protection Agency (USA)	epartment /-	