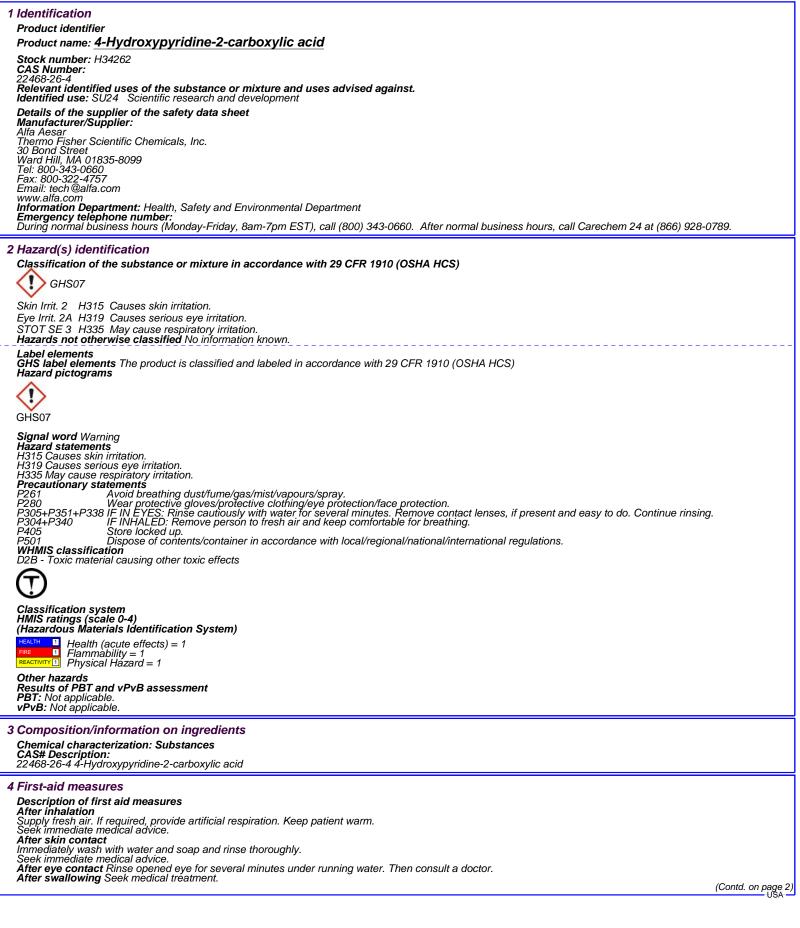


Safety Data Sheet per OSHA HazCom 2012



Product name: 4-Hydroxypyridine-2-carboxylic acid (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) Possibly Hydrogen cyanide (HCN) 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 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. 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 The selection of suitable 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: Powder Color: White Odor: Not determined Odor threshold: Not determined Not applicable. pH-value: Change in condition Melting point/Melting range: Boiling point/Boiling range: Sublimation temperature / start: 280 °C (536 °F) (dec) Not determined Not determined Flammability (solid, gaseous) Ignition temperature: Decomposition temperature: Not determined Not determined Not determined Auto igniting: Not determined (Contd. on page 3)

Product name: 4-Hydroxypyridine-2-carboxylic acid

Page 3/4 Printing date 11/24/2015 Reviewed on 12/29/2010

Description Product does not present an explosion hazard. Explosion Not determined Upper Not applicable. Solution of the restrict Not applicable. Or solution of the restrict Not applicable. The restrict of the restrict Not applicable. The restrict of the restrit of the restrict of the re	Product name: 4-Hydroxypyridine-2-	carboxylic acid	
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Lower: More description of the second	Danger of explosion:	Product does not present an explosion hazard.	
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duct name: 4-Hydroxypyridine-2-carl	
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DOT Marine Pollutant (DOT):	No
Regulatory information Safety, health and environmental regulation GHS label elements Hazard pictograms	ns/legislation specific for the substance or mixture d and labeled in accordance with 29 CFR 1910 (OSHA HCS)
CHS07	
P304+P340 IF INHALED: Remove pers P405 Store locked up. P501 Dispose of contents/contai National regulations This product is not listed in the U.S. Environm to research and development only. This produ- product must not be used for commercial purp SARA Section 313 (specific toxic chemical California Proposition 65 Prop 65 - Developmental toxicity Substances Prop 65 - Developmental toxicity, female Sub Prop 65 - Developmental toxicity, male Sub Information about limitation of use: For use Other regulations, limitations and prohibiti Substance of Very High Concern (SVHC) a The conditions of restrictions according to market and use must be observed. Substance is not listed.	ofective clothing/eye protection/face protection. Isly with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. son to fresh air and keep comfortable for breathing. iner in accordance with local/regional/national/international regulations. mental Protection Agency Toxic Substances Control Act Chemical Substance Inventory. Use of this product is restric uct must be used by or directly under the supervision of a technically qualified individual as defined by TSCA. This poses or in formulations for commercial purposes. I listings) Substance is not listed. e is not listed. be not listed. be only by technically qualified individuals.
information to ensure proper use and protect t conformance with this Material Safety Data SI	s a supplement to other information gathered by them, and should make independent judgement of suitability of this the health and safety of employees. This information is furnished without warranty, and any use of the product not in heet, or in combination with any other product or process, is the responsibility of the user.
Department issuing SDS: Global Marketing in Date of preparation / last revision 11/24/20 Abbreviations and acronyms: RID: Réglement international concernant le transport des ma IATA-DGR: Dangerous Goods Regulations by the "Internatio CAO: International Civil Aviation Organization CAO: TI: Technical Instructions by the "International Civil Avi MDG: International Marctime Code for Dangerous Goods DOT: US Department of Transportation CAS: Chemical Abstracts Service (division of the American C HMIS: Hazardous Materials Information System (USO) WHMIS: Workpace Hazardous Materials Information System (USO) (Education, Supercent	archandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail) onal Air Transport Association" (IATA) iation Organization" (ICAO) Chemical Society) m (Canada)
LCSU: Letrial concentration, so Dercent LDSC: Lethal dose, 50 percent VPVB: very Persistent and very Bioaccumulative ACGIH: American Conference of Governmental Industrial Hy OSHA: Occupational Safety and Health Administration (USA, NTP: National Toxicology Program (USA) IARC: International Agency for Research on Cancer EPA: Environmental Protection Agency (USA)	rgienists (USA)