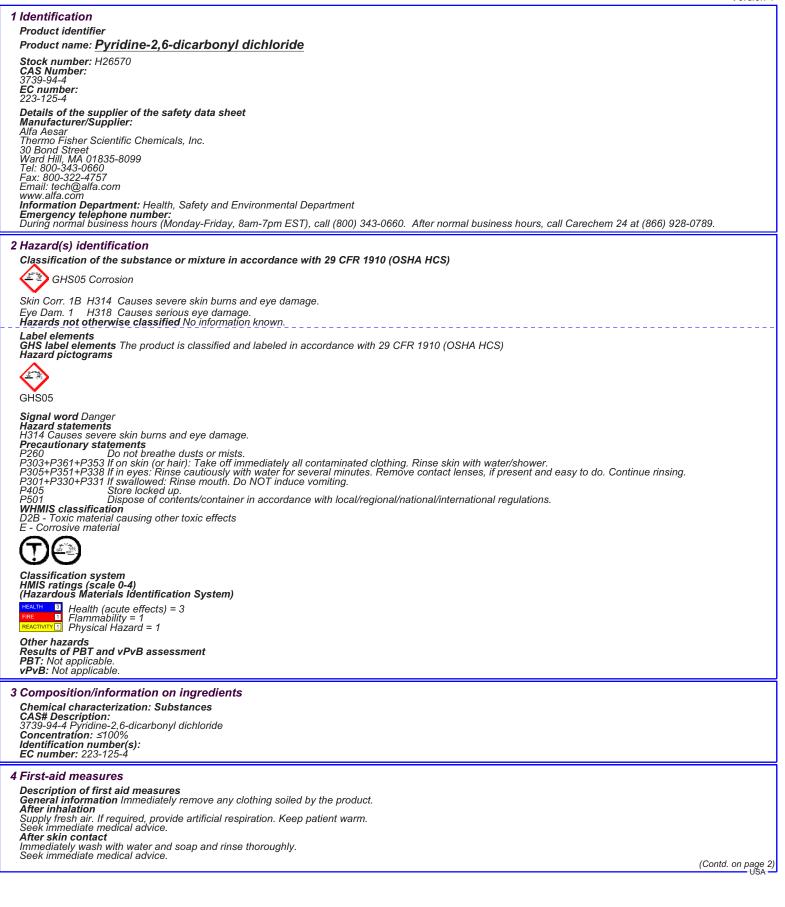




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Product name: Pyridine-2,6-dicarbonyl dichloride

Product name. Fyndme-2,0-dicarbonyr dicmonde	
After eye contact Rinse opened eye for several minutes under running water. Then consult a doctor. After swallowing Seek medical treatment. Information for doctor Most important symptoms and effects, both acute and delayed Causes severe skin burns. Causes serious eye damage. Indication of any immediate medical attention and special treatment needed No further relevant information available.	(Contd. of page 1)
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) Hydrogen chloride (HCI) 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 product to reach sewage system or any water course. Methods and material for containment and cleaning up: Use neutralizing agent. Dispose of contaminated material as waste according to section 13. 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 7 for information on personal protection equipment. See Section 13 for disposal information. Protective Action Criteria for Chemicals PAC-1: Substance is not listed. PAC-3: Substance is not listed.	
7 Handling and storage Handling Precautions for safe handling Handle under dry protective gas. 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 storag bases. Store away from storing bases. Store away from storing bases. Store under dry inert gas. This product is moisture sensitive. Keep container tightly sealed. Store in cool, dry conditions in well sealed containers. Protect from humidity and water. 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: The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace. Additional information: No data Exposure controls Personal protective equipment General protective equipment General protective and hygienic measures The usual precautionary measures for handling chemicals should be followed. Keep and to 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. Breating equipment: Use suitable respirator when high concentrations are present. Recommended filter device for short term use: Use a respirator with type 100 (USA) or P3 (EN 143) cartridges as a backup to engineering controls. Risk assessment should be performed to deit purifying respirators are appropriate. Only use equipment tested and approved under appropriate government standards. Protection of hands: Impervious gloves Check protective gloves prior to each use for their proper condition. The execution of suitable gloves not only depends on the material, but also on quality. Quality will vary from manufacturer to manufacturer. Material of gloves Nitrile rubber, NBR	'ermine if air- (Contd. on page 3)

Safety Data Sheet

Product name: Pyridine-2,6-dicarbonyl dichloride

(Contd. of page 2)

Penetration time of glove material (in	minutes) 480	(Contd. of page 2)
Glove thickness: 0.11 mm		
Eye protection:		
Tightly sealed goggles Full face protection		
Safety glasses with side shields / NIOSF Body protection: Protective work clothi	H (US) or EN 166(EU) ng.	
	-	
9 Physical and chemical properties Information on basic physical and che		
General Information		
Appearance: Form:	Solid	
Odor: Odor threshold:	Odorless Not determined.	
pH-value:	Not applicable.	
Change in condition		
Melting point/Melting range: Boiling point/Boiling range:	57-61 °C (135-142 °F) 284 °C (543 °F)	
Sublimation temperature / start: Flammability (solid, gaseous)	Not determined Not determined.	
Ignition temperature:	Not determined	
Decomposition temperature: Auto igniting:	Not determined Not determined.	
Danger of explosion:	Not determined.	
Explosion limits: Lower:	Not determined	
Upper: Vapor pressure:	Not determined Not applicable.	
Density: Relative density	Not determined Not determined.	
Vapor density	Not applicable.	
Evaporation rate Solubility in / Miscibility with	Not applicable.	
Water: Partition coefficient (n-octanol/water).	Not determined	
Viscosity:		
dynamic: kinematic:	Not applicable. Not applicable.	
Other information	No further relevant information available.	
Possibility of hazardous reactions to Possibility of hazardous reactions Re Conditions to avoid No further relevant Incompatible materials: Water/moisture Bases Oxidizing agents Hazardous decomposition products: Carbon monoxide and carbon dioxide Nitrogen oxides Hydrogen chloride (HCl)		
11 Toxicological information		
11 Toxicological information Information on toxicological effects		
Acute toxicity: Swallowing will lead to a strong corrosive effect on mouth and throat and to the danger of perforation of esophagus and stomach. LD/LC50 values that are relevant for classification: No data Skin irritation or corrosion: Causes severe skin burns.		
Skin irritation or corrosion: Causes se Eye irritation or corrosion: Causes se	evere skin burns.	
Sensitization: No sensitizing effects kno	own.	
Germ cell mutagenicity: No effects kno Carcinogenicity: No classification data	own. on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH.	
Reproductive toxicity: No effects know	<i>in.</i>	
	- repeated exposure: No effects known.	
Specific target organ system toxicity	- single exposure: No effects known.	
Aspiration hazard: No effects known. Subacute to chronic toxicity: No effect	ts known. To the best of our knowledge the acute and chronic toxicity of this substance is not fully known.	
Additional toxicological information:	I o 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	ormation available	
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 of Avoid transfer into the environment.	quantities to reach ground water, water course or sewage system.	
Results of PBT and vPvB assessment	t	
PBT: Not applicable.		(Contd. on page 4)

Product name: Pyridine-2,6-dicarbonyl dichloride (Contd. of page 3) vPvB: Not applicable. Other adverse effects No further relevant 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 made according to official regulations. 14 Transport information UN-Number DOT, IMDG, IATA UN3261 UN proper shipping name DOT Corrosive solid, acidic, organic, n.o.s. (Pyridine-2,6-dicarbonyl dichloride) 3261 Corrosive solid, acidic, organic, n.o.s. (Pyridine-2,6-dicarbonyl dichloride) CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S. (Pyridine-2,6-dicarbonyl dichloride) ĂĎŔ IMDG, IATA dichloride) Transport hazard class(es) DOT Class 8 Corrosive substances Label ADR 8 (C4) Corrosive substances Class abel IMDG, IATA Class 8 Corrosive substances Label 8 Packing group DOT, ADR, IMDG, IATA ||Environmental hazards: Not applicable. Special precautions for user EMS Number: Warning: Corrosive substances F-A,S-B Segregation groups Stowage Category Acids B Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable. Transport/Additional information: DOT On passenger aircraft/rail: 15 kg On cargo aircraft only: 50 kg Quantity limitations Marine Pollutant (DOT): No IMDG Limited quantities (LQ 1 kg Maximum net quantity per inner packaging: 30 g Maximum net quantity per outer packaging: 500 g Excepted quantities (ÉQ) UN 3261 CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S. (PYRIDINE-2,6-DICARBONYL DICHLORIDE), 8, 11 UN "Model Regulation":

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



Signal word Danger

 Signal word Danger

 Hazard statements

 H314 Causes severe skin burns and eye damage.

 Precautionary statements

 P260
 Do not breathe dusts or mists.

 P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

 P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

 P301+P330+P331 If swallowed: Rinse mouth. Do NOT induce vomiting.

 P405
 Store locked up.

 P504
 Dispose of contents/container in accordance with local/regional/national/international regulations.

 Insertion Agency Toxic Substances Control Act Chemical Substance Inventory. Use of this provide supervision of a technically qualified individual as defined b

 This product is not listed in the U.S. Environmental Protection Agency Toxic Substances Control Act Chemical Substance Inventory. Use of this product is restricted to research and development only. 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.

(Contd. on page 5)

Product name: Pyridine-2,6-dicarbonyl dichloride

(Contd. of page 4)
This product is not listed on the Canadian Domestic Substances List (DSL) or the Canadian Non-Domestic Substances List (NDSL).
SARA Section 313 (specific toxic chemical listings) Substance is not listed.
California Proposition 65
Prop 65 - Chemicals known to cause cancer Substance is not listed.
Prop 65 - Developmental toxicity, female Substance is not listed.
Prop 65 - Developmental toxicity, mede Substance is not listed.
Information about limitation of use: For use only by technically qualified individuals.
Other regulations, limitation of use: For use only by technically qualified individuals.
Other regulations (minimation of use is not listed.
Annex XVI of the REACH Regulations (EC) No. 1907/2006 (REACH) for the manufacturing, placing on the
market and use must be observed.
Substance is not listed.
Annex XVI of the REACH Regulations (requiring Authorisation for use) Substance is not listed.
Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information on sure 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 Safety Data Safety Department
Department issuing SDS: Global Marketing Department
Department issuing SDS: Global Marketing Department
Dear of proparation/Reach data, revision addit eard version number are in the header of each page.
Abbreviations and acronyms:
ADR. Acced substances datageneuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
MMM: Wornheard At Transport (MS)
MMM: Wenghee Maximum (MA)
MM