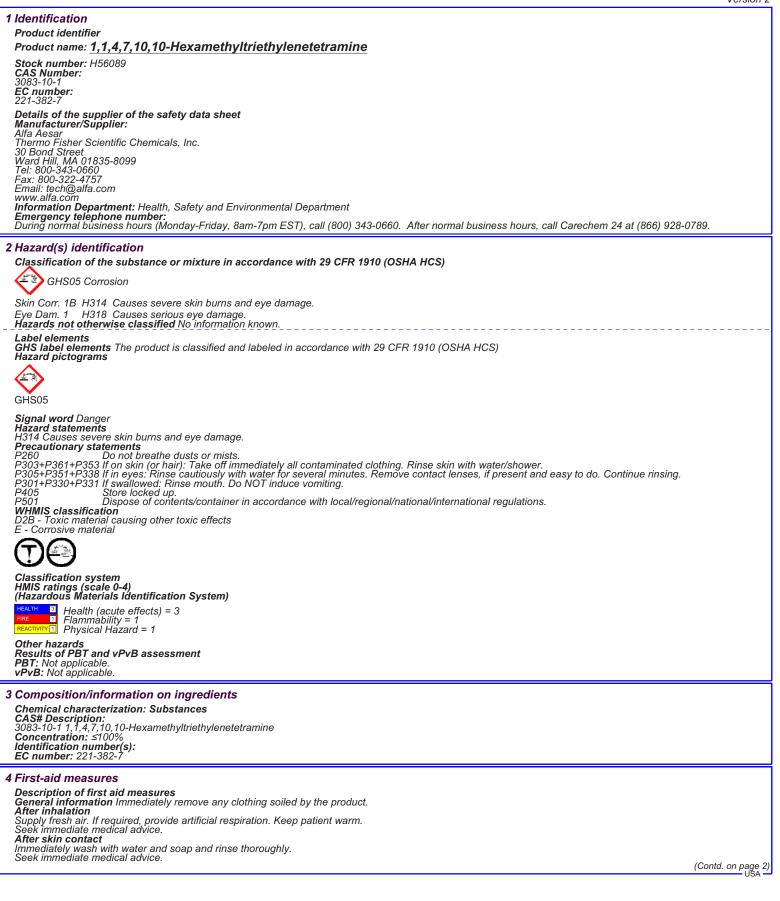




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After eye contact Rinse opened eye for several minutes under running water. Then consult a doctor. After swallowing Seek medical treatment. Information for doctor Most important symptoms and effects, both acute and delayed Causes severe skin burns. 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) 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: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). 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 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 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: Do not store together with acids. 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: 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 and hygienic measures The usual precautionary measures for handling chemicals should be followed. Keep away from footsfuffs, beverages and feed. Remove all soiled and contaminated clothing immediately. Wash hands before breaks and at the end of work. Do not inhale dust / smoke / mist. Avoid contact with the eyes and skin, Maintian an ergonomically appropriate working environment. Breathing equipment: Use suitable respirator when high concentrations are present. Recommended filter device for short ferm use: Use a respirator with multi-purpose combination (US) or type ABEK (EN 14387) as a backup to engineering controls. Risk assessment should be p determine if air-purping respirators are appropriate. Only use equipment tested and approved under appropriate government standards such as N CEN (EU). 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 fue of glove material (in minutes) Not determined Exporotection	IOSH (USA) or
	(Contd. on page 3) USA



(Contd. of page 2)

Safety glasses with side shields / NIOSI Body protection: Protective work cloth		(Contd. of page 2)		
9 Physical and chemical properties				
Information on basic physical and ch General Information Appearance: Form: Odor:	emical properties Liquid Not determined			
Odor threshold:	Not determined.			
pH-value:	Not determined.			
Change in condition Melting point/Melting range: Boiling point/Boiling range: Sublimation temperature / start:	Not determined 130 °C (266 °F) (11mm Hg) Not determined			
Flash point: Flammability (solid, gaseous) Ignition temperature: Decomposition temperature: Auto igniting:	102 °C (216 °F) Not determined. Not determined Not determined Not determined.			
Danger of explosion: Explosion limits: Lower: Upper: Vapor pressure: Density at 20 °C (68 °F): Relative density Vapor density Evaporation rate Solubility in / Miscibility with	Not determined. Not determined Not determined 0.847 g/cm ³ (7.068 lbs/gal) Not determined. Not determined.			
Water: Partition coefficient (n-octanol/water) Viscosity: dynamic: kinematic: Other information	Not determined : Not determined. Not determined. Not determined. No further relevant information available.			
10 Stability and reactivity 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 Reacts with strong oxidizing agents Conditions to avoid No further relevant information available. Incompatible materials: Acids Oxidizing agents Hazardous decomposition products: Carbon monoxide and carbon dioxide Nitrogen oxides				
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. The Registry of Toxic Effects of Chemical Substances (RTECS) contains acute toxicity data for this substance. LD/LC50 values that are relevant for classification: No data Skin irritation or corrosion: Causes servere skin burns. Eye irritation or corrosion: Causes servere skin burns. Eye irritation: 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: 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 ini Persistence and degradability No furt Bioaccumulative potential No further r Mobility in soil No further relevant infor Additional ecological information: General notes:	her relevant information available. relevant information available. rmation available. the environment without proper governmental permits. 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 relevant information available.

	(Contd. of page 3
13 Disposal considerations Waste treatment methods Recommendation Consult state, local or national regulations to Uncleaned packagings: Recommendation: Disposal must be made according to officia	
14 Transport information	
UN-Number	110725
DOT, IMDG, IATA UN proper shipping name	UN2735
DOT ADR	Polyamines, liquid, corrosive, n.o.s. (1,1,4,7,10,10-Hexamethyltriethylenetetramine) 2735 Polyamines, liquid, corrosive, n.o.s. (1,1,4,7,10,10-
IMDG, IATA	Hexamethyltriethylenetetramine) POLYAMINES, LIQUID, CORROSIVE, N.O.S. (1,1,4,7,10,10- Hexamethyltriethylenetetramine)
Transport hazard class(es) DOT	
Class Label ADR	8 Corrosive substances 8
Class Label IMDG, IATA	8 (C7) Corrosive substances 8
Class Label Decking group	8 Corrosive substances 8
Packing group DOT, ADR, IMDG, IATA	11
Environmental hazards:	Not applicable.
Special precautions for user EMS Number:	Warning: Corrosive substances F-A,S-B
Segregation groups Stowage Category	Alkalis A
Segregation Code	SG35 Stow "separated from" acids.
Transport in bulk according to Annex II of MARPOL73/78 and	nd the IBC Code Not applicable.
Transport/Additional information: DOT	
Quantity limitations	On passenger aircraft/rail: 1 L
Marine Pollutant (DOT):	On cargo aircraft only: 30 L No
IMDG	41
Limited quantities (LQ) Excepted quantities (EQ)	1L Code: E2
	Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
UN "Model Regulation":	UN 2735 POLYAMINES, LIQUID, CORROSIVE, N.O.S. (1,1,4,7,10,10- HEXAMETHYLTRIETHYLENETETRAMINE), 8, II
P405 Store locked up. P501 Dispose of contents/container in accordance National regulations All components of this product are listed in the U.S. Environment	ccordance with 29 CFR 1910 (OSHA HCS) contaminated clothing. Rinse skin with water/shower. veral minutes. Remove contact lenses, if present and easy to do. Continue rinsing. vomiting. e with local/regional/national/international regulations. ntal Protection Agency Toxic Substances Control Act Chemical substance Inventory.
National regulations All components of this product are listed in the U.S. Environmer All components of this product are listed on the Canadian Non- SARA Section 313 (specific toxic chemical listings) Substar	ntal Protection Agency Toxic Substances Control Act Chemical substance Inventory. Domestic Substances List (NDSL). nce is not listed.

(Contd. on page 5) USA

(Contd. of page 4)

USA

California Proposition 65 Prop 65 - Chemicals known to cause cancer Substance is not listed. Prop 65 - Developmental toxicity Substance is not listed. Prop 65 - Developmental toxicity, female Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Information about limitation of use: For use only by technically qualified individuals. Other regulations, limitations and prohibitive regulations Substance of Very High Concern (SVHC) according to the REACH Regulations (EC) No. 1907/2006. Substance is not listed. The conditions of restrictions according to Article 67 and Annex XVII of the Regulation (EC) No 1907/2006 (REACH) for the manufacturing, placing on the market and use must be observed. Substance is not listed.

Substance is not listed. Annex XIV 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

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 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/Revision: Print date, revision date and version number are in the header of each page. Abbreviations and acronyms: ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) IMDG: International Martime Code for Dangerous Goods DOT: US Department of Transportation

ADR: Accord europeen sur le transport des marchanises dangereuses par ko IMDC: International Maritime Code for Dangerous Goods DOT: US Department of Transport Association EINECS: European Inventory of Existing Commercial Chemical Substances EINECS: European Inventory of Existing Commercial Chemical Society) HMIS: Hazardous Materials Identification System (USA) WHMIS: Workplace Hazardous Materials Information System (Canada) LC50: Lethal concentration, 50 percent DSU Event Marchaet Bioaccumulative PBT: Persistent, Bioaccumulative SVHC: Substances of Very High Concern vPvB: very Persistent and very Bioaccumulative ACGIH: American Conference of Governmental Industrial Hygienists (USA) MTP: National Toxicology Program (USA) IATP: International Agency for Research on Cancer EPA: Environmental Protection Agency (USA) Skin Corr. 1B: Skin corrosion/irritation – Category 1 Eye Dam. 1: Serious eye damage/eye irritation – Category 1