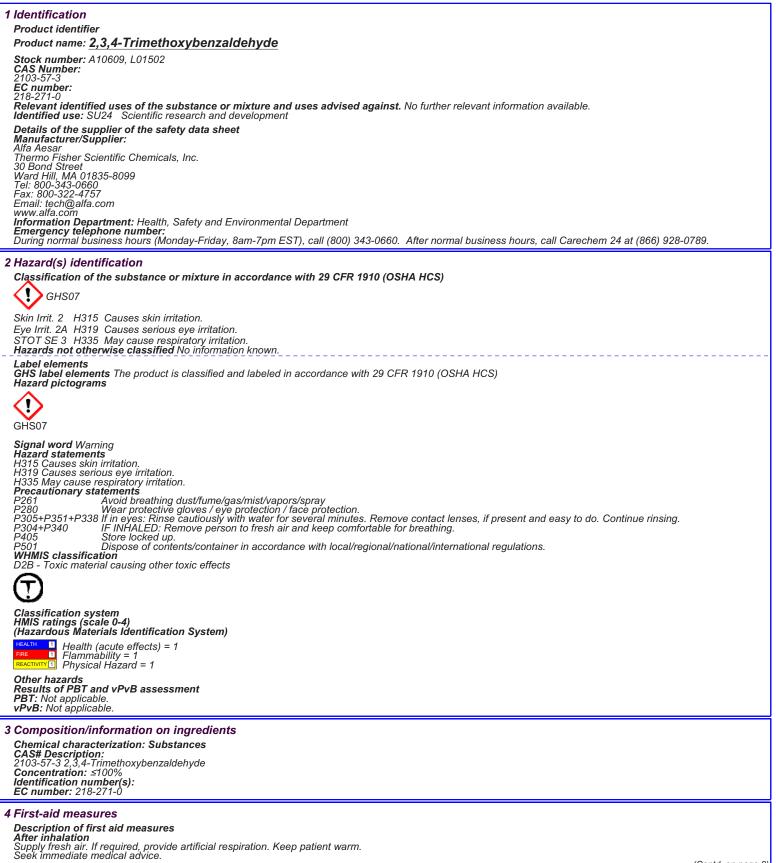




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(Contd. on page 2)

Product name: 2.3.4-Trimethoxybenzaldehyde

Product name: 2,3,4-Trimethoxybenzaldehyde	
After skin contact Immediately wash with water and soap and rinse thoroughly. Seek immediate medical advice. 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 skin irritation. Causes serious eye irritation.	(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 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 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 air. Store away from air. Store under dry inert gas. This product is air sensitive. Keep container tightly sealed. Store in cool, dry conditions in well sealed containers. Store in cool, dry conditions in well sealed containers. Store in cool, dry conditions in orel sealed containers. Store in cool, dry conditions in well sealed containers. Store in cool, dry conditions in owell sealed containers. Store in cool, dry conditions in owell sealed containers. Store in cool, dry conditions in mell sealed containers. Store in cool, dry conditions in ore protection 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:	

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

Additional information: No data Exposure controls Personal protective end hygienic measures The usual precautionary measures for handling chemicals should be followed. Keep away from foodstuffs, beverages and feed. Remove all solied 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. Recommended filter device for short term use: Use a respirator with type N95 (USA) or P2 (EN 143) cartridges as a backup to engineering controls. Risk assessment should be performed to determine if air-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 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 with side shields / NIOSH (US) or EN 166(EU) Body protection: Protective work clothing. (Contd. on pe

USA (Contd. on page 3)

(Contd. of page 2)

Information on toxicological effects Acute toxicity: No effects known. UDLC50 values that are relevant for classification: No data Skin irritation or corrosion: Causes skin irritation. Sensitization: No sensitization are corrosion: Causes skin irritation. Carcinogenicity: No leffects 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: 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 information available. Bicaccumulative potential No further relevant information available. Bicaccumulative potential No further relevant information available. Center and there notes: Do not allow unditude product or large quantities to reach ground water, water course or sewage system. Avoid transfer into the environment. PPT: Not applicable. PPT: Not		(Contd. of page 2	
Information on basic physical and chemical properties General Information Province	9 Physical and chemical properties		
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Relative density Not determined. Vapor density Not applicable. Solibility in / Miscibility with Not applicable. Not applicable. Not applicable. Partition coefficient (r-octanol/water): Not determined. Yesosity: Viscosity: Not applicable. Other information No huther relevant information available. 10 Stability and reactivity Reactivity No information known. Chemical context information in the evolution available. Not applicable. Chemical context information in the evolution available. Not information available. 11 Concological information products: Carbon monoxide and carbon dioxide Hazardous affects known. 11 Concological information Information. No data 11 formation or corosolic: Causes sense with relation. No data Serie toxicity: No effects known. Serie fields known. Carcingenging applicable indicates fields Reactive series in the constraint interview of the constraint interview of the constraint interview of the constraint is available from the EPA, IARC, NTP, OSHA or ACG/H. Reproductive toxicity: No effects known. Series field constraint is available from the EPA, IARC, NTP, OSHA or ACG/H. Reproductive toxicity: No effects known.		Not applicable. Not determined	
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Kinematic: Not applicable. Other information No further relevant information available. 10 Stability and reactivity Reactivity No information known. Chemical stability Stability using 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. Margentity of hazardous reactions Reacts with strong oxidizing agents Conditions to avoid No further relevant information available. Hazardous decomposition products: Carbon monoxide and carbon dioxide Hormation on toxicological effects Acute toxicity: No effects known. Constitution or corrosito. LDDLC50 values that are relevant for classification: No data Sensitization. No sensitizing effects known. Gernogenicity: No offects known. Reproductive toxicity: No effects known. Gracinogenicity: No offects known. Sensitization hazard: No effects known. Specific target organ system toxicity - single exposure: May cause respiratory irritation. Specific target organ system toxicity - repeated exposure: May cause respiratory irritation. Aspiration hazard: No effects known. Specific target organ system toxicity - single exposure: May cause respiratory irritation. <tr< th=""><th>Viscosity:</th><th></th></tr<>	Viscosity:		
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13 Disposal considerations	Aquatic toxicity: No further relevant inf Persistence and degradability No furth Bioaccumulative potential No further r Mobility in soil No further relevant infor Additional ecological information: General notes: Do not allow material to be released to the Do not allow undiluted product or large of Avoid transfer into the environment. Results of PBT and vPvB assessment PBT: Not applicable. vPvB: Not applicable.	elevant information available. mation available. he environment without proper governmental permits. juantities to reach ground water, water course or sewage system. t	
Waste treatment methods	13 Disposal considerations Waste treatment methods		
Recommendation Consult state, local or national regulations to ensure proper disposal. Uncleaned packagings:	Recommendation Consult state, local o Uncleaned packagings:		
Recommendation: Disposal must be made according to official regulations.		ade according to official regulations. USA – (Contd. on page 4	

Product name: 2,3,4-Trimethoxybenzaldehyde

(Contd.	of page	З
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	(Contd. of page 3,
14 Transport information	
UN-Number DOT, ADN, IMDG, IATA	Not applicable
UN proper shipping name	
DOT, ÁDR, ADN, IŇDG, IATA	Not applicable
Transport hazard class(es)	
DOT, ADR, ADN, IMDG, IATA Class	Not applicable
Packing group DOT, ADR, IMDG, IATA	
	Not applicable
Environmental hazards:	Not applicable.
Special precautions for user Transport in bulk according to Annex II of MARPOL73/78 and the IBC	Not applicable.
Transport in buck according to Annex if or MARFOLTS/18 and the IBC	
DOT	
Marine Pollutant (DOT):	No
UN "Model Regulation":	Not applicable
Safety, health and environmental regulations/legislation specific for t GHS label elements The product is classified and labeled in accordance Hazard pictograms GHS07	ine substance or mixture with 29 CFR 1910 (OSHA HCS)
market and use must be observed. Substance is not listed. Annex XIV of the REACH Regulations (requiring Authorisation for use Chemical safety assessment: A Chemical Safety Assessment has not be	tes. Remove contact lenses, if present and easy to do. Continue rinsing. mfortable for breathing. /regional/national/international regulations. tion Agency Toxic Substances Control Act Chemical substance Inventory. Substances List (NDSL). isted. d individuals. egulations (EC) No. 1907/2006. Substance is not listed. of the Regulation (EC) No 1907/2006 (REACH) for the manufacturing, placing on the
information to ensure proper use and protect the health and safety of emp conformance with this Safety Data Sheet, or in combination with any other	mation gathered by them, and should make independent judgement of suitability of this loyees. This information is furnished without warranty, and any use of the product not in r 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 numb	
Abbreviations and acronyms: ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agra IMD6: International Maritime Code for Dangerous Goods DOT: US Department of Transportation IATA: International Air Transportation EINECS: European Inventory of Existing Commercial Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) HMIS: Hazardous Materials Identification System (USA) WHMIS: Vorkplace Hazardous Materials Information System (Canada) LC50: Lethal concentration, 50 percent DBT: Persistent, Bioaccumulative and Toxic SVHC: Substances of Very High Concern vPvE: very Persistent and very Bioaccumulative ACGIH: American Conference of Governmental Industrial Hygienists (USA) OSHA: Occupational Safety and Health Administration (USA) NTP: National Toxicology Program (USA) IATC: International Agency (USA)	eement concerning the International Carriage of Dangerous Goods by Road)
ADR: Accord europeen sur le transport des marchandises dangereuses par Route (European Agre IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transportation IATA: International Air Transport Association EINECS: European Inventory of Existing Commercial Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) HMIS: Hazardous Materials Identification System (USA) WHMIS: Workplace Hazardous Materials Information System (Canada) LCS6: Lethal concentration, 50 percent LDS6: Lethal concentration, 50 percent	eement concerning the International Carriage of Dangerous Goods by Road)