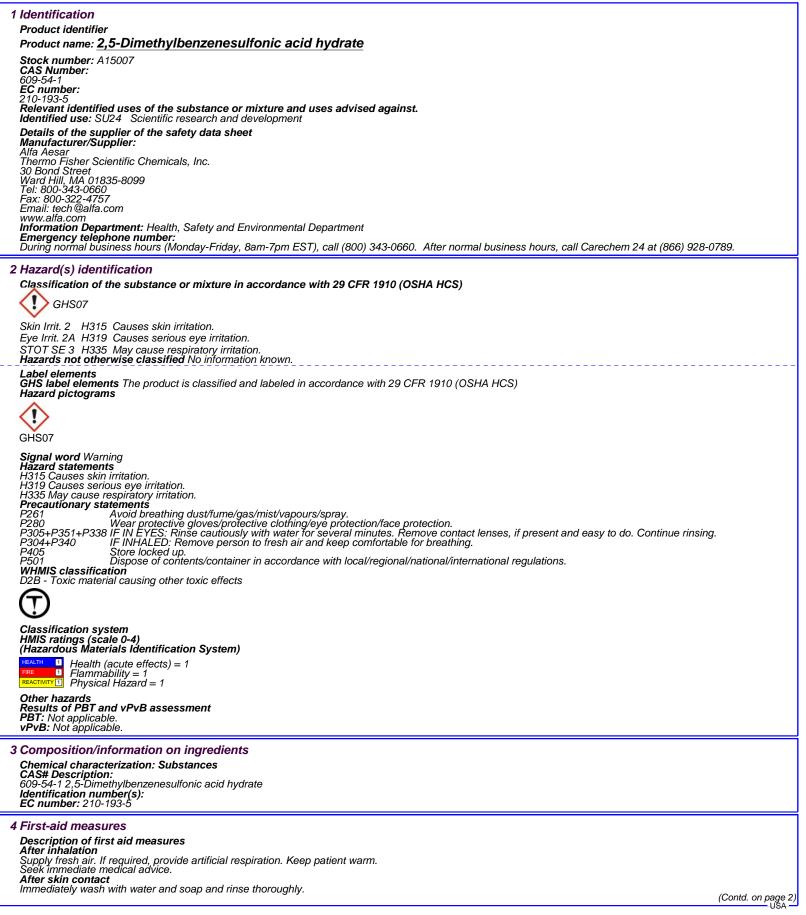


Safety Data Sheet per OSHA HazCom 2012



## Product name: 2,5-Dimethylbenzenesulfonic acid hydrate

(Contd. of page 1) 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 No further relevant information available. Indication of any immediate medical attention and special freatment 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 Sulfur oxides (SOx) 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 Concentration for 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 Recautions for safe nanoing 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 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 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: Color: Crystalline White Not determined Odor: Odor threshold: Not determined pH-value: Not applicable. Change in condition Melting point/Melting range: Boiling point/Boiling range: Sublimation temperature / start: 84-86 °C (183-187 °F) Not determined

Not determined

Not applicable Not determined.

Flash point: Flammability (solid, gaseous)

## Product name: 2,5-Dimethylbenzenesulfonic acid hydrate

Product name: 2,3-DimetriyiDenzene			
Ignition temperature:	Not determined	(Contd. of page 2)	
Decomposition temperature: Auto igniting:	Not determined Not determined.		
Danger of explosion: Explosion limits:	Product does not present an explosion hazard.		
Lower: Upper:	Not determined Not determined		
Vapor pressure: Density:	Not applicable. Not determined		
Relative density Vapor density	Not determined. Not applicable.		
Evaporation rate Solubility in / Miscibility with	Not applicable.		
Water: Partition coefficient (n-octanol/water).	Soluble Not determined.		
Viscosity: dynamic:	Not applicable.		
kinematic: Other information	Not applicable. No further relevant information available.		
10 Stability and reactivity			
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 No dangerous reactions known Conditions to avoid No further relevant information available.			
Incompatible materials: Oxidizing ager Hazardous decomposition products:	nts		
Carbon monoxide and carbon dioxide Sulfur oxides (SOx)			
11 Toxicological information			
Information on toxicological effects Acute toxicity: No effects known.			
LD/LC50 values that are relevant for classification: No data			
Skin irritation or corrosion: Causes skin irritation. Eye irritation or corrosion: Causes serious eye irritation.			
Sensitization: No sensitizing effects kno 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. n.		
<b>Specific target organ system toxicity - repeated exposure:</b> No effects known. <b>Specific target organ system toxicity - single exposure:</b> May cause respiratory irritation.			
Aspiration hazard: No effects known. Subacute to chronic toxicity: No effects known.			
	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.			
Persistence and degradability No further relevant information available. Bioaccumulative potential No further relevant information available. Nobility in cell No further relevant information available.			
Mobility in soil No further relevant information available. Additional ecological information:			
General notes: Do not allow material to be released to the environment without proper governmental permits.			
Do not allow undiluted product or large quantities to reach ground water, water course or sewage system. Avoid transfer into the environment. Results of PRT and up recomment.			
Results of PBT and vPvB assessment PBT: Not applicable.			
vPvB: Not applicable. Other adverse effects No further releva	nt 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.			
Recommended cleansing agent: Wate			
14 Transport information Not a hazardous material for transportation	on.		
UN-Number DOT, IMDG, IATA	None		
UN proper shipping name DOT, IMDG, IATA	None		
Transport hazard class(es)	TVOIRC		
DOT, ADR, IMDG, IATA Class	None		
Packing group DOT, IMDG, IATA	None		
Environmental hazards:	Not applicable.		
Special precautions for user	Not applicable.		
		(Contd. on page 4) USA	

Product name: 2,5-Dimethylbenzenesulfonic acid hydrate		
	(Contd. of page 3)	
Transport in bulk according to Annex II of MARPOL73/78 and		
Transport/Additional information:	Not dangerous according to the above specifications.	
DOT Marine Pollutant (DOT):	No	
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		
GHS07		
<ul> <li>P405 Store locked up.</li> <li>P501 Dispose of contents/container in accordance vision of the product are listed in the U.S. Environment All components of this product are listed on the Canadian Non-Dispose of the product are listed on the Canadian Non-Dispose of the product are listed on the Canadian Non-Dispose of the product are listed on the Canadian Non-Dispose of the product are listed on the Canadian Non-Dispose of the product are listed on the Canadian Non-Dispose of the product of the product are listed on the Canadian Non-Dispose of the product of the product are listed on the Canadian Non-Dispose of the product of t</li></ul>	the is not listed. listed. ed. y qualified individuals. EACH Regulations (EC) No. 1907/2006. Substance is not listed. Innex XVII of the Regulation (EC) No 1907/2006 (REACH) for the manufacturing, placing on the pon for use) Substance is not listed.	
information to ensure proper use and protect the health and safe	ther information gathered by them, and should make independent judgement of suitability of this ty of employees. This information is furnished without warranty, and any use of the product not in tion with any other product or process, is the responsibility of the user.	
Department issuing SDS: Global Marketing Department Date of preparation / last revision 11/23/2015 / - Abbreviations and acronyms: IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transport Association 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) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent VPVB: 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) VARC: International Agency for Research on Cancer EPA: Environmental Protection Agency (USA)		