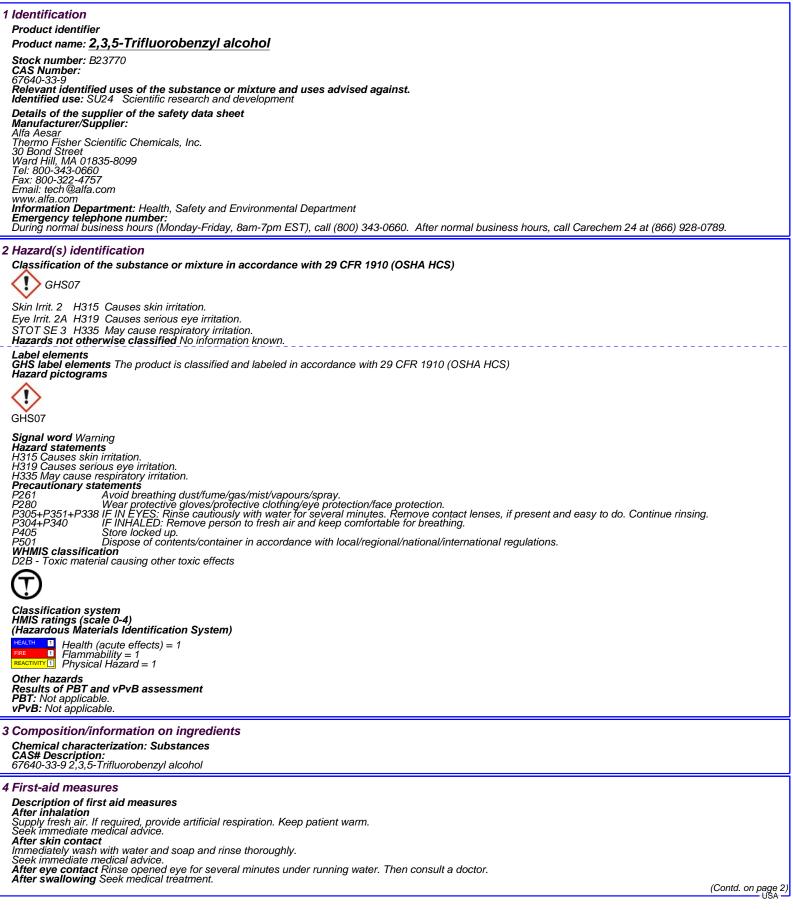


Safety Data Sheet per OSHA HazCom 2012



Product name: 2,3,5-Trifluorobenzyl alcohol (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 Hydrogen fluoride (HF) 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 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). 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 context with the everage and exin 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 not only depends on the material, but also on quality. Quality will vary from manufacturer to manufacturer. **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: Liauid Odor: 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 Not determined Not determined Flash point: Not determined Flammability (solid, gaseous) Ignition temperature: Decomposition temperature: Not determined. Not determined Not determined (Contd. on page 3)

Product name: 2.3.5-Trifluorobenzvl alcohol

		viewed on 02/20/2007
Product name: 2,3,5-Trifluorobenzyl	alcohol	
		(Contd. of page 2)
Auto igniting:	Not determined.	
Danger of explosion: Explosion limits: Lower: Upper: Vaner processory	Product does not present an explosion hazard. Not determined Not determined	
Vapor pressure: Density: Relative density	Not determined Not determined Not determined.	
Vapor density Evaporation rate	Not determined. Not determined.	
Solubility in / Miscibility with Water:	Not determined	
Partition coefficient (n-octanol/water): Viscosity: dynamic:	Not determined. Not determined.	
kinematic: Other information	Not determined. Not determined. No further relevant information available.	
10 Stability and reactivity Reactivity No information known. Chemical stability Stable under recomm Thermal decomposition / conditions to Possibility of hazardous reactions No Conditions to avoid No further relevant Incompatible materials: Oxidizing agen Hazardous decomposition products: Carbon monoxide and carbon dioxide Hydrogen fluoride	nended storage conditions. o be avoided: Decomposition will not occur if used and stored according to specifications. dangerous reactions known information available.	
Reproductive toxicity: No effects know Specific target organ system toxicity - Specific target organ system toxicity - Aspiration hazard: No effects known. Subacute to chronic toxicity: No effect	in irritation. ious eye irritation. wm. on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH. n. • repeated exposure: No effects known. • single exposure: May cause respiratory irritation.	
Do not allow undiluted product or large q Avoid transfer into the environment. Results of PBT and vPvB assessment PBT: Not applicable. vPvB: Not applicable. Other adverse effects No further releva	ne environment without proper governmental permits. uantities to reach ground water, water course or sewage system.	
13 Disposal considerations Waste treatment methods Recommendation Consult state, local o Uncleaned packagings: Recommendation: Disposal must be ma	r national regulations to ensure proper disposal. ade according to official regulations.	
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) DOT, ADR, IMDG, IATA		
Class Packing group DOT, IMDG, IATA	None	
DOT, IMDG, IATA Environmental hazards:	None Not applicable.	
Special precautions for user	Not applicable.	
	Il of MARPOL73/78 and the IBC Code Not applicable.	
Transport/Additional information:	Not dangerous according to the above specifications.	
	~	(Contd. on page 4)

(Contd. on page 4)

	(Contd. of page
DOT	
Marine Pollutant (DOT):	No
5 Regulatory information Safety, health and environmental regulations/leg GHS label elements The product is classified and Hazard pictograms OC GHS07	gislation specific for the substance or mixture labeled in accordance with 29 CFR 1910 (OSHA HCS)
Signal word Warning Hazard statements H315 Causes skin irritation. H319 Causes serious eye irritation. H335 May cause respiratory irritation. Precautionary statements P261 Avoid breathing dust/fume/gas/r P280 Wear protective gloves/protectiv P305+P351+P338 IF IN EYES: Rinse cautiously w P304+P340 IF INHALED: Remove person to P405 Store locked up. P501 Dispose of contents/container in National regulations This product is not listed in the U.S. Environmental to research and development only. This product mus product must not be used for commercial purposes SARA Section 313 (specific toxic chemical listir California Proposition 65 Prop 65 - Chemicals known to cause cancer Sult Prop 65 - Developmental toxicity, female Substance prop 65 - Developmental toxicity, male Substance Information about limitation of use: For use only	bstance is not listed. ot listed. ance is not listed. ce is not listed. y by technically qualified individuals. egulations ding to the REACH Regulations (EC) No. 1907/2006. Substance is not listed. cle 67 and Annex XVII of the Regulation (EC) No 1907/2006 (REACH) for the manufacturing, placing on the cle 67 and Annex XVII of the Regulation (EC) No. 1907/2006 (REACH) for the manufacturing, placing on the cle 67 and Annex XVII of the Regulation (EC) No. 1907/2006 (REACH) for the manufacturing, placing on the
6 Other information Employers should use this information only as a su information to ensure proper use and protect the he conformance with this Material Safety Data Sheet,	upplement to other information gathered by them, and should make independent judgement of suitability of this ealth and safety of employees. This information is furnished without warranty, and any use of the product not in or in combination with any other product or process, is the responsibility of the user.
Department issuing SDS: Global Marketing Depa Date of preparation / last revision 11/24/2015 / - Abbreviations and acronyms: IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transportation IATA: International Air Transport Association CAS: Chemical Abstracts Service (division of the American Chemica HMIS: Hazardous Materials Identification System (USA) WHMIS: Workplace Heazardous Materials Information System (Cana LC50: Lethal concentration, 50 percent LD50: Lethal concentration, 50 percent CAS: Chemical Abstracts Service Governmental ACGIH: American Conference of Governmental Industrial Hygienist: OSHA: Occupational Safety and Health Administration (USA) NTP: National Toxicology Program (USA) IARC: International Agency for Research on Cancer EPA: Environmental Protection Agency (USA)	