



	late 05/12/2016
1 Identification	
Product identifier	
Product name: 3-Mercapto-1-hexanol	
Stock number: B21965 CAS Number: 51755-83-0	
Relevant identified uses of the substance or mixture and uses advised against. Identified use: SU24 Scientific research and development	
Details of the supplier of the safety data sheet Manufacturer/Supplier:	
Alfa Aesar Thermo Fisher Scientific Chemicals, Inc. 30 Bond Street	
Ward Hill, MA 01835-8099 Tel: 800-343-0660	
Fax: 800-322-4757 Email: tech@alfa.com	
www.alfa.com Information Department: Health, Safety and Environmental Department	
Emergency telephone number:	
During normal business hours (Monday-Friday, 8am-7pm EST), call (800) 343-0660. After normal business hours, call Carechem 24 at (866) 928-078	39.
2 Hazard(s) identification Classification of the substance or mixture in accordance with 29 CFR 1910 (OSHA HCS)	
GHS07	
Skin Irrit. 2 H315 Causes skin irritation. Eye Irrit. 2A H319 Causes serious eye irritation.	
STOT SE 3 H335 May cause respiratory irritation. Hazards not otherwise classified No information known.	
Label elements	
GHS label elements The product is classified and labeled in accordance with 29 CFR 1910 (OSHA HCS) Hazard pictograms	
\wedge	
GHS07	
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/mist/vanours/sprav	
P280 Wear protective gloves/protective clothing/eye protection/face protection. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.	
P405 Store locked up.	
P501 Dispose of contents/container in accordance with local/regional/national/international regulations. WHMIS classification	
D2B - Toxic material causing other toxic effects	
(Ţ)	
Classification system	
Classification system HMIS ratings (scale 0-4) (Hazardous Materials Identification System)	
HEALTH \square Health (acute effects) = 1	
FIRe I Flammability = 1 Reactivity II Physical Hazard = 1	
Other hazards	
Results of PBT and vPvB assessment PBT: Not applicable.	
vPvB: Not applicable.	
3 Composition/information on ingredients	
Chemical characterization: Substances	
CAS# Description: 51755-83-0 3-Mercapto-1-hexanol	
4 First-aid measures	
Description of first aid measures	
After inhalation Supply fresh air. If required, provide artificial respiration. Keep patient warm. Seek immediate medical advice.	
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.	
And Smallowing Seek medical additional	Contd. on page 2,
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Product name: 3-Mercapto-1-hexanol

Information for doctor Most important symptoms and effects, both acute and delayed Causes skin irritation. Causes serious eye irritation. y cause respiratory irritation 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. Surface extinguishing agents carbon dioxide, extinguishing p 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) Hvdroaen sulfide Advice for firefighters Protective equipment: Wear self-contained respirator. Wear fully protective impervious suit.

6 Accidental release measures

Odor:

pH-value:

Odor threshold:

Personal precautions, protective equipment and emergency procedures reisonal 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: 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: 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 rersonal 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. Do not inhale dust / smoke / mist. Avoid contact with the eves and ekin Do not inhale dust / smoke / mist. 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 multi-purpose combination (US) or type ABEK (EN 14387) 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 such as NIOSH (USA) or CEN (EL) CEN (EU) Protection of hands: Impervious gloves Check protection 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. **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:

Liquid

Stench

Not determined.

Not determined.

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Product name: 3-Mercapto-1-hexanol			
		(Contd. of page 2)	
Change in condition Melting point/Melting range: Boiling point/Boiling range: Sublimation temperature / start:	Not determined 250 °C (482 °F) Not determined		
Flash point: Flammability (solid, gaseous) Ignition temperature: Decomposition temperature: Auto igniting:	> 100 °C (> 212 °F) Not determined. Not determined Not determined Not determined.		
Danger of explosion: Explosion limits:	Not determined.		
Lower: Upper: Vapor pressure: Density at 20 °C (68 °F): Relative density Vapor density Evaporation rate	Not determined Not determined 0.974 g/cm ³ (8.128 lbs/gal) Not determined. Not determined.		
Solubility in / Miscibility with Water:	Not determined. Not determined		
Partition coefficient (n-octanol/water): Viscosity: dynamic: kinematic:	: Not determined. Not determined. Not determined.		
Other information	No further relevant information available.		
10 Stability and reactivity Reactivity No information known. Chemical stability Stable under recommender Possibility of hazardous reactions Re- Conditions to avoid No further relevant Incompatible materials: Oxidizing ager Hazardous decomposition products: Carbon monoxide and carbon dioxide Sulfur oxides (SOx) Hydrogen sulfide	t 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 Additional toxicological information: Carcinogenic categories	cin irritation. rious eye irritation. own. 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.		
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. Mobility in soil No further relevant information available. Additional ecological information: General notes: Do not allow undiluted product or large 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.			
13 Disposal considerations Waste treatment methods Recommendation Consult state, local o Uncleaned packagings: Recommendation: Disposal must be me	or national regulations to ensure proper disposal. ade according to official regulations.		
14 Transport information			
UN-Number DOT, ADN, IMDG, IATA	Not applicable		
UN proper shipping name DOT, ADN, IMDG, IATA	Not applicable		
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Product name: 3-Mercapto-1-hexanol	
	(Contd. of page 3)
Transport hazard class(es)	
DOT, ADR, ADN, IMDG, IATA	
Class	Not applicable
Packing group DOT, IMDG, IATA	Not applicable
Environmental hazards:	Not applicable.
Special precautions for user	Not applicable.
Transport in bulk according to Annex II of MARPOL73/78 ar	nd the IBC Code Not applicable.
Transport/Additional information:	
DOT Marine Pollutant (DOT):	No
UN "Model Regulation":	
on motor nogulation i	
15 Regulatory information Safety, health and environmental regulations/legislation spe GHS label elements The product is classified and labeled in ac Hazard pictograms	ecific for the substance or mixture cordance with 29 CFR 1910 (OSHA HCS)
P304+P340 IF INHALED: Remove victim to fresh air and Store locked up. P501 Dispose of contents/container in accordance 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-I SARA Section 313 (specific toxic chemical listings) Substan California Proposition 65 Prop 65 - Chemicals known to cause cancer Substance is not 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 technical Other regulations.	ye protection/face protection. several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. leep at rest in a position comfortable for breathing. with local/regional/national/international regulations. Intal Protection Agency Toxic Substances Control Act Chemical substance Inventory. Domestic Substances List (NDSL). Ince is not listed. It listed. It is the content of the second state of the
Employers should use this information only as a supplement to information to ensure proper use and protect the health and safe conformance with this Material Safety Data Sheet, or in combine Department issuing SDS: Global Marketing Department Date of preparation / last revision 05/13/2016 / - Abbreviations and acronyms:	other information gathered by them, and should make independent judgement of suitability of this ety of employees. This information is furnished without warranty, and any use of the product not in ation with any other product or process, is the responsibility of the user. European Agreement concerning the International Carriage of Dangerous Goods by Road)

MERA Occupational Sales and real Administration (USA) MTP: National Toxicology Program (USA) IARC: International Agency for Research on Cancer EPA: Environmental Protection Agency (USA) Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2 Sy Irrit. 24: Serious eve damage/eve irritation, Hazard Category 2A STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3

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