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	Version 1
1 Identification	
Product identifier	
Product name: <u>Sodium 1-hexanesulfonate</u> Stock number: A13278, L06097	
CAS Number:	
2832-45-3 EC number:	
220-601-3 <b>Relevant identified uses of the substance or mixture and uses advised against.</b> 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-	0789.
2 Hazard(s) identification	
Classification of the substance or mixture in accordance with 29 CFR 1910 (OSHA HCS) The substance is not classified as hazardous according to 29 CFR 1910 (OSHA GHS).	
Hazards not otherwise classified No information known.	
GHS label elements Not applicable Hazard pictograms Not applicable	
Signal word Not applicable	
Hazard statements Not applicable WHMIS classification Not controlled	
Classification system HMIS ratings (scale 0-4)	
(Hazardous Materials Identification System)	
HEALTH I Health (acute effects) = 1 FIRE I Flammability = 1 REACTIVITY 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:	
2832-45-3 Sodium 1-hexanesulfonate Concentration: ≤100%	
Identification number(s): EC number: 220-601-3	
4 First-aid measures	
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 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 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	
Sulfur oxides (SOx) Sodium oxide	
Advice for firefighters Protective equipment: Wear self-contained respirator.	
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.	(Contd. on page 2)
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Ensure adequate ventilation Environmental precautions: Do not allow product Methods and material for containment and clear Prevention of secondary hazards: No special me Reference to other sections See Section 7 for information on safe handling See Section 8 for information on personal protection See Section 13 for disposal information. Protective Action Criteria for Chemicals PAC-1: Substance is not listed. PAC-2: Substance is not listed. PAC-3: Substance is not listed. Store in cool, dry place in tightly closed containers. Information about protection against explosion Conditions for safe storage, including any inco Storage Requirements to be met by storerooms and rec Information about storage conditions:	easures required. on equipment. , , <b>s and fires:</b> No information known.
Handling Precautions for safe handling Keep container tightly sealed. Store in cool, dry place in tightly closed containers. Information about protection against explosion Conditions for safe storage, including any inco Storage Requirements to be met by storerooms and rec Information about storage in one common stor	is and fires: No information known.
Keep container tightly sealed. Store in cool, dry conditions in well sealed containe Specific end use(s) No further relevant information	age facility: Store away from oxidizing agents.
Control parameters Components with limit values that require mon	for hazardous chemicals and having an average face velocity of at least 100 feet per minute.
purifying respirators are appropriate. Only use equ <b>Protection of hands:</b> Impervious gloves Check protective gloves prior to each use for their	ediately. vironment. are present. of insufficient ventilation. 43) cartridges as a backup to engineering controls. Risk assessment should be performed to determine if air- uipment tested and approved under appropriate government standards. proper condition. on the material. but also on quality. Quality will vary from manufacturer to manufacturer.
9 Physical and chemical properties	
Information on basic physical and chemical pro General Information Appearance: Form: Powder Odor: Not deter Odor threshold: Not deter pH-value: Not appli	rmined rmined.
Change in condition Melting point/Melting range: >300 °C Boiling point/Boiling range: Not deter Sublimation temperature / start: Not deter Ignition temperature: Not deter Decomposition temperature: Not deter Auto igniting: Not deter	(>572 °F) mined mined rmined mined rmined
Danger of explosion: Not deter   Explosion limits: Not deter   Lower: Not deter   Upper: Not deter   Vapor pressure: Not deter   Density: Not deter   Vapor pressure: Not deter   Vapor density Not deter   Vater: Not deter   Partition coefficient (n-octanol/water): Not deter	rmined. rmined cable. rmined rmined. cable. cable. rmined
Viscosity: dynamic: Not appli kinematic: Not appli	cable.
	(Contd. on page 3)

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			(Contd. of page 2)
Other information	No further relevant information available.		
10 Stability and reactivity Reactivity No information known. Chemical stability Stable under recorn Thermal decomposition / conditions Possibility of hazardous reactions R Conditions to avoid No further releva Incompatible materials: Oxidizing ag Hazardous decomposition products Carbon monoxide and carbon dioxide Sulfur oxides (SOX) Sodium oxide	s to be avoided: Decomposition will not occur Reacts with strong oxidizing agents ant information available. ients	r if used and stored according to specifications.	
Reproductive toxicity: No effects kno Specific target organ system toxicity Specific target organ system toxicity Aspiration hazard: No effects known. Subacute to chronic toxicity: No effe Additional toxicological information	r classification: No data ise irritation se irritation mown. ta on carcinogenic properties of this material is own. by - repeated exposure: No effects known. by - single exposure: No effects known.	is available from the EPA, IARC, NTP, OSHA or ACGIH. I chronic toxicity of this substance is not fully known.	
12 Ecological information Toxicity Aquatic toxicity: No further relevant in Persistence and degradability No fur Bioaccumulative potential No further Mobility in soil No further relevant info Additional ecological information: General notes: Do not allow undiluted product or large Avoid transfer into the environment. Results of PBT and vPvB assessme PBT: Not applicable. vPvB: Not applicable. Other adverse effects No further relevant	rther relevant information available. r relevant information available. ormation available. e quantities to reach ground water, water cours e <b>nt</b>	rse or sewage system.	
13 Disposal considerations Waste treatment methods Recommendation Consult state, local Uncleaned packagings: Recommendation: Disposal must be	l or national regulations to ensure proper dispo made according to official regulations.	iosal.	
14 Transport information			
UN-Number			
DOT, ADN, IMDG, IATA	No	ot applicable	
UN proper shipping name DOT, ADR, ADN, IMDG, IATA	Nc	ot applicable	
Transport hazard class(es) DOT, ADR, ADN, IMDG, IATA Class		ot applicable	
Packing group DOT, ADR, IMDG, IATA	Nc	ot applicable	
Environmental hazards:		ot applicable.	
Special precautions for user		ot applicable.	
	ex II of MARPOL73/78 and the IBC Code No.		
Transport/Additional information:	—		
DOT Marine Pollutant (DOT):	No		
UN "Model Regulation":		pt applicable	
15 Regulatory information Safety, health and environmental reg GHS label elements Not applicable Hazard pictograms Not applicable Signal word Not applicable Hazard statements Not applicable National regulations All components of this product are liste All components of this product are liste	egulations/legislation specific for the substa ed in the U.S. Environmental Protection Agence ed on the Canadian Domestic Substances List nemical listings) Substance is not listed.	cy Toxic Substances Control Act Chemical substance Inventory. tf (DSL).	Contd. on page 4)
		(*	Jointa. On page +/

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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. 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) MDG: International Maritime Code for Dangerous Goods DOT: US Department of Transport Association EINECS: European Inventory of Existing Commercial Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Substances CAS: Chemical Abstracts Service (Division of the American Chemical Substances LSO: Lethal concentration, 50 percent EDS: Lethal concentration, 50 percent PBT: Persistent, Bioaccumulative and Toxic SVHC: Substances of Very High Concern "PVB: very Persistent and very Bioaccumulative ACGIH: American Conference of Governmental Industrial Hygienists (USA) MTP: National ToxicoGy Program (USA) MTP: Mational ToxicoGy Program (USA) MTP: Mational ToxicoGy Program (USA)

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