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	Version 1
1 Identification	
Product identifier	
Product name: <u>2-n-Hexylthiophene</u>	
Stock number: A12652, L06695 CAS Number: 18794-77-9	
EC number: 242-579-4	
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	
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) 928-0	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.	
Label elements 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 1 Health (acute effects) = 1	
FIRE IFlammability = 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: 18794-77-9 2-n-Hexylthiophene	
Concentration: ≤100%	
Identification number(s): EC number: 242-579-4	
4 First-aid measures	
Description of first aid measures	
After inhalation Supply fresh air, If required, provide artificial respiration. Keep patient warm.	
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.	
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)	
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	(Contd. on page 2)
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Environmental precautions: Do not all Methods and material for containment Prevention of secondary hazards: Kee Reference to other sections See Section 7 for information on safe ha See Section 8 for information on persona See Section 13 for disposal information. Protective Action Criteria for Chemica PAC-1: Substance is not listed. PAC-3: Substance is not listed.	al protection equipment.	
7 Handling and storage		
Handling Precautions for safe handling Keep container tightly sealed. Store in cool, dry place in tightly closed of Information about protection against of Conditions for safe storage, including Storage Requirements to be met by storeroom	and receptacles: No special requirements. mon storage facility: Store away from oxidizing agents. nditions: ed containers.	
8 Exposure controls/personal prote	ction	
Additional information about design of		
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 General protective and 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. 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 (EU). 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 with side shields / NIOSH (US) or EN 166(EU) Body protection: Protective work clothing.		
9 Physical and chemical properties		
Information on basic physical and che General Information Appearance: Form: Odor: Odor threshold:		
pH-value:	Not determined.	
Change in condition Melting point/Melting range: Boiling point/Boiling range: Sublimation temperature / start:	Not determined 228-230 °C (442-446 °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: Lower: Upper: Vapor pressure:	Not determined. Not determined Not determined Not determined	
Density at 20 °C (68 °F): Relative density Vapor density Evaporation rate Solubility in / Miscibility with	NO.935 g/cm ³ (7.803 lbs/gal) Not determined. Not determined. Not determined.	
Water: Partition coefficient (n-octanol/water):	Not determined Not determined.	
Viscosity: dynamic: kinematic:	Not determined. Not determined.	
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Other information	No further relevant information available.
Thermal decomposition / co Possibility of hazardous rea	nder recommended storage conditions. onditions to be avoided: Decomposition will not occur if used and stored according to specifications. actions Reacts with strong oxidizing agents her relevant information available. idizing agents products:
Skin irritation or corrosion: Eye irritation or corrosion: Sensitization: No sensitizing Germ cell mutagenicity: No Carcinogenicity: No classific Reproductive toxicity: No el Specific target organ system	al effects nown. levant for classification: No data : May cause irritation g effects known. o effects known. cation data on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH. iffects known. m toxicity - repeated exposure: No effects known. m toxicity - single exposure: No effects known.
Subacute to chronic toxicity	
Bioaccumulative potential N Mobility in soil No further rel Additional ecological inform General notes: Do not allow undiluted produc Avoid transfer into the enviror Results of PBT and vPvB as PBT: Not applicable. vPvB: Not applicable.	mation: ct or large quantities to reach ground water, water course or sewage system. nment.
13 Disposal considerations Waste treatment methods Recommendation Consult st Uncleaned packagings:	
14 Transport information	
UN-Number DOT, ADN, IMDG, IATA	Not applicable
UN proper shipping name DOT, ADR, ADN, IMDG, IAT	
Transport hazard class(es)	
DOT, ADR, ADN, IMDG, IAT. Class	
Class Packing group DOT, ADR, IMDG, IATA	
DOT, ADR, IMDG, IATA Environmental hazards:	Not applicable
Environmental hazards: Special precautions for use	Not applicable. Not applicable. Not applicable.
	g to Annex II of MARPOL73/78 and the IBC Code Not applicable.
Transport/Additional inform	
DOT Marine Pollutant (DOT):	Νο
UN "Model Regulation":	Not applicable
GHS label elements Not app Hazard pictograms Not appl Signal word Not applicable Hazard statements Not appli National regulations All components of this produc This product is not listed in th to research and development	licable

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(Contd. of page 3 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. market and use must be observed.

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 acronym:
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Air 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 (Canada)
LC50: Lethal concentration, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
SVHC: Substances of Very High Concern
vPvB: very Persistent and very Bioaccumulative
ACGIH: American Cherence of Governmental Industrial Hygienists (USA)
OSHA: Occupational Safety and Health Administration (USA)
IATA: International Agency for Research on Cancer
EPA: Environmental Protection Agency (USA)