

Safety Data Sheet per OSHA HazCom 2012

101	newed 011 02/11/2009
1 Identification	
Product identifier	
Product name: Ethyl 3,3-diethoxypropionate	
Stock number: L09562 CAS Number: 10601-80-6 EC number:	
EC number: 234-223-1	
Relevant identified uses of the substance or mixture and uses advised against. Identified use: SU24 Scientific research and development Dataile of the summiser of the scientific advice short	
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) 92	28-0789.
2 Hazard(s) identification	
Classification of the substance or mixture in accordance with 29 CFR 1910 (OSHA HCS) H227 Combustible liquid.	
Hazards not otherwise classified No information known.	
GHS label elements The product is classified and labeled in accordance with 29 CFR 1910 (OSHA HCS) Hazard pictograms Not applicable Signal word Warning Hazard statements	
H227 Combustible liquid. Precautionary statements P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking. P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.	
P280 Wear profective gloves/protective clothing/eye protection/face protection. P370+P378 In case of fire: Use for extinction: CO2, powder or water spray. P403+P235 Store in a well-ventilated place. Keep cool.	
P501 Dispose of contents/container in accordance with local/regional/national/international regulations. WHMIS classification B3 - Combustible liquid	
Classification system HMIS ratings (scale 0-4) (Hazardous Materials Identification System)	
HEALTH I Health (acute effects) = 1 FIRE I Flammability = 2 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:	
10601-80-6 Ethyl 3,3-diethoxypropionate Identification number(s): EC number: 234-223-1	
4 First-aid measures	
Description of first aid measures	
After inhalation Supply fresh air. If required, provide artificial respiration. Keep patient warm.	
Seek îmmediate medical advice. After skin contact	
Immediately wash with water and soap and rinse thoroughly. Seek immediate medical advice.	
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 foar	m.

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

Product name: Ethyl 3,3-diethoxypropionate

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). Prevention of secondary hazards: Keep away from ignition sources. Reference to other sections See Section 9 for information on safe handling See Section 9 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.

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

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. 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. **Penetration time of glove material (in minutes)** Not determined **Eye protection:** Safety glasses **Body protection:** Protective work clothing.

9 Physical and chemical properties

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Information on basic physical and che General Information Appearance: Form: Color: Odor: Odor: Odor threshold:	emical properties Liquid Colorless Not determined Not determined.
pH-value:	Not determined.
Change in condition Melting point/Melting range: Boiling point/Boiling range: Sublimation temperature / start:	Not determined 92-93 °C (198-199 °F) (13 mmHg) Not determined
Flash point: Flammability (solid, gaseous) Ignition temperature: Decomposition temperature: Auto igniting:	93 °C (199 °F) Not determined. 240 °C (464 °F) Not determined Not determined.
Danger of explosion: Explosion limits: Lower: Upper: Vapor pressure: Density at 20 °C (68 °F): Relative density Vapor density Evaporation rate Solubility in / Miscibility with Water at 20 °C (68 °F): Partition coefficient (n-octanol/water):	Product does not present an explosion hazard. Not determined Not determined 0.978 g/cm ³ (8.161 lbs/gal) Not determined. Not determined. Not determined. 23 g/l Not determined.
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Product name: Ethyl 3,3-diethoxypropionate

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Viscosity:		(00///d. 0/ puge 2/
dynamic: kinematic:	Not determined. Not determined.	
Other information	No further relevant information available.	
Conditions to avoid No further rele Incompatible materials: Oxidizing	ecommended storage conditions. Ons to be avoided: Decomposition will not occur if used and stored according to specifications. 1s No dangerous reactions known levant information available. Jagents Icts: Carbon monoxide and carbon dioxide	
Reproductive toxicity: No effects Specific target organ system toxi Specific target organ system toxi Aspiration hazard: No effects know Subacute to chronic toxicity: No	t for classification: No data cause irritation ause irritation ts known. data on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH. known. icity - repeated exposure: No effects known. icity - single exposure: No effects known.	
Bioaccumulative potential No furt Mobility in soil No further relevant Additional ecological information General notes: Do not allow material to be released	o further relevant information available. ther relevant information available. t information available. n: d to the environment without proper governmental permits. arge quantities to reach ground water, water course or sewage system. t. sment	
Uncleaned packagings:	ocal or national regulations to ensure proper disposal. be made according to official regulations.	
14 Transport information Not a hazardous material for transp	portation.	
UN-Number DOT, IMDG, IATA	None	
UN proper shipping name DOT, IMDG, IATA	None	
Transport hazard class(es) DOT, ADR, IMDG, IATA Class	None	
Packing group DOT, IMDG, IATA	None	
Environmental hazards:	Not applicable.	
Special precautions for user	Not applicable.	
· · · · ·	nnex II of MARPOL73/78 and the IBC Code Not applicable.	
Transport/Additional information	n: Not dangerous according to the above specifications.	
Marine Pollutant (DOT):	No	
GHS label elements The product is Hazard pictograms Not applicable Signal word Warning Hazard statements H227 Combustible liquid. Precautionary statements P210 Keep away from heat/s	I regulations/legislation specific for the substance or mixture is classified and labeled in accordance with 29 CFR 1910 (OSHA HCS) e sparks/open flames/hot surfaces. No smoking. s/protective clothing/eye protection/face protection. extinction: CO2, powder or water spray.	
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Product name: Ethyl 3,3-diethoxypropionate

P403+P235 Store in a well-ventilated place. Keep cool. P501 Dispose of contents/container in accordance with local/regional/national/international regulations. National regulations This product is not listed in the U.S. Environmental Protection Agency Toxic Substances Control Act Chemical Substance Inventory. Use of this product is restri to research and development only. This product must be used by or directly under the supervision of a technically qualified individual as defined by TSCA. This product must not be used for commercial purposes or in formulations for commercial purposes. SARA Section 313 (specific toxic chemical listings) Substance is not listed. California Proposition 65 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. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity, and Substance is not listed. Information about limitation of use: For use only by technically qualified individuals. Other regulations, il initiations and prohibitive regulations Substance of Very High Concern (SHR) 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 market and use must be observed. Substance is not listed. Annex XVI 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 Employeers 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 conformance wit	ojo ulouloxypi opioliuto
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