



Page 1/4 Printing date 10/20/2017 Revision date 10/18/2017 Version 1

Revision date 1	Version 1
1 Identification	
Product identifier	
Product name: <u>Antide acetate</u>	
Stock number: J66692 CAS Number: 112568-12-4	
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 The manufacture Scientific Chemicala Inc.	
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)	
GHS08 Health hazard	
Repr. 1B H360 May damage fertility or the unborn child. 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	
GHS08	
Signal word Danger Hazard statements H360 May damage fertility or the unborn child. Precautionary statements P201 Obtain special instructions before use. P280 Wear protective gloves/protective clothing/eye protection/face protection. P202 Do not handle until all safety precautions have been read and understood. P308+P313 IF exposed or concerned: Get medical advice/attention. P405 Store locked up. P501 Dispose of contents/container in accordance with local/regional/national/international regulations. WHMIS classification Dispose of contents/container in accordance states D2A - Very toxic material causing other toxic effects	
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Classification system HMIS ratings (scale 0-4) (Hazardous Materials Identification System) HEALTH I HEALTH I<	
Other hazards Results of PBT and vPvB assessment PBT: Not applicable. vPvB: Not applicable.	
3 Composition/information on ingredients	
Chemical characterization: Substances CAS# Description:	
112568-12-4 Ac-D-2-Nal-D-Phe(4-CL)-3-D-Pal-Ser-Lys(nicotinoyl)-D- Lys(nicotinoyl)-Leu-Lys(Isopropyl)-Pro-D-Ala-NH2 Concentration: ≤100%	
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.	
Information for doctor Most important symptoms and effects, both acute and delayed May damage fertility or the unborn child.	
(Conta	d. on page 2) USA

(Contd. of page 1)

Product name: Antide acetate

Indication of any immediate medical attention and special treatment needed No further relevant information available.

5 Fire-fighting measures

Extinguishing media 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 Nitrogen oxides (NOx) 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 product to reach sewage system or any water course. Methods and material for containment and cleaning up: Dispose of contaminated material as waste according to section 13. Prevention of secondary hazards: No special measures required. Reference to other sections See Section 7 for information on safe handling See Section 7 for information on personal protection equipment. See Section 13 for disposal information. Protective Action Criteria for Chemicals PAC-1: Substance is not listed **PAC-1:** Substance is not listed **PAC-2:** Substance is not listed PAC-3: Substance is not listed.

7 Handling and storage

Handling Precautions for safe handling Keep container tightly sealed. Ensure good ventilation at the workplace. Open and handle container with care. 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: Store in freezer (-20°C). Information about storage in one common storage facility: Protect from heat. Do not store together with acids. Store away from strong bases. Store away from oxidizing agents. Further information about storage conditions: Keep container tightly sealed. 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 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.
Store protective clothing separately.
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 type P100 (USA) or P3 (EN 143) cartridges as a backup to engineering controls. Risk assessment should be performed to determine if airpurifying respirators are appropriate. Only use equipment tested and approved under appropriate government standards.
Protection of hands:
Impervious gloves

Impervious gloves 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 chemical properties General Information		
Appearance: Form: Odor: Odor threshold:	Lyophilized powder Not determined Not determined.	
pH-value:	Not applicable.	
Change in condition Melting point/Melting range: Boiling point/Boiling range:	Not determined Not determined	
		(Contd on page 3)

(Contd. on page 3) USA



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Germ cell mutagenicity: No effects known. Carcinogenicity: No effects known. Reproductive toxicity: May damage fertility or the unborn child. The Registry of Toxic Effects of Chemical Substances (RTECS) contains reproductive data for this substance. Specific target organ system toxicity - repeated exposure: No effects known. Specific target organ system toxicity - sepated exposure: No effects known. Appration hazard: No effects known. Appration hazard: No effects known. Additional toxicological information: To the best of our knowledge the acute and chronic toxicity of this substance is not fully known. 12 Ecological information Toxicity: No uther relevant information available. Paristence and degradability No further relevant information available. Bioacute rolevant information available. Mobility in soll No further relevant information available. Mobility and secological information Specific target organ systement Pyte: Not applicable Other adverse effects No further relevant information available. 13 Disposal considerations Maste traatment methods Recommendation: Could state, local or national regulations to ensure proper disposal. Uncleaned packagings: Recommendation: Disposal must be made according to official regulations. 14 Transport information UN-Number DOT, ADN, MIDG, IATA Disposed considerations Moste proper schipping name DOT, ADN, MIDG, IATA Class Not applicable DOT, ADN, ADN, MIDG, IATA Class	Eye irritation or corrosion: May cause irritation					
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(Contd. on page 4)						
		(Contd. on page 4) USA				

Product name: Antide acetate (Contd. of page 3) Packing group DOT, ADR, IMDG, IATA Not applicable Environmental hazards: Not applicable Special precautions for user Not applicable Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable Transport/Additional information: DOT Marine Pollutant (DOT): No UN "Model Regulation": Not applicable 15 Regulatory information Safety, health and environmental regulations/legislation specific for the substance or mixture GHS label elements The product is classified and labeled in accordance with 29 CFR 1910 (OSHA HCS) Hazard pictograms ð GHS08 Signal word Danger Hazard statements Hazard statements H360 May damage fertility or the unborn child. Precautionary statements P201 Obtain special instructions before use. P280 Wear protective gloves/protective clothing/eye protection/face protection. P202 Do not handle until all safety precautions have been read and understood. P308+P313 IF exposed or concerned: Get medical advice/attention. P405 Store looked up P405 P501 Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations. 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 restricted 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. This product is not listed on the Canadian Domestic Substances List (DSL) or the Canadian Non-Domestic Substances List (NDSL). SARA Section 313 (specific toxic chemical listings) Substance is not listed. California Proposition 65 Prop 65 - Chemicals known to cause cancer 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, female 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 female Substance is not listed. Prop 65 - Developmental toxicity female Substance is not listed. Prop 65 - Developmental toxicity female Substance is not listed. Prop 65 - Developmental toxicity female Substance is not listed. Prop 65 - Developmental toxicity female Substance is not listed. Prop 65 - Developmental toxicity female Substance is not listed. Prop 65 - Developmental toxicity female Substance is not listed. Prop 65 - Developmental toxicity female Substance is not listed. Prop 65 - Developmental toxicity female Substance is not listed. Prop 65 - Developmental toxicity female Substance is not listed. Prop 65 - Developmental toxicity fe 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 acromyse: DR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) IMOG: International Maritime Code for Dangerous Goods DOT: US Department of Transport Association CAS: Chemical Abstracts Service (division of the American Chemical Society) HMIS: Hazardous Materials Information System (Canada) LC50: Lethal concentration, 50 percent PBT: Persistent, Bioaccumulative and Toxic SVHC: Substances of Very High Concern VPWB: very Persistent and very Bioaccumulative ACGIH: American Conference of Governmental Industrial Hygienists (USA) OSHA: Occupational Safety and Health Administration (USA) IMTC: International Marce of Cancer EPA: Environmental Protection Agency (USA) Repr. 1B: Reproductive toxicity – Category 1B

USA