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Vers
1 Identification
Product identifier Product name: <u>Mycophenolic acid</u>
Stock number: J61905
CAS Number: 24280-93-1
EC number:
246-119-3 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
30 Bond Street Ward Hill. MA 01835-8099
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
Muta. 2 H341 Suspected of causing genetic defects.
Repr. 1A H360 May damage fertility or the unborn child.
GHS07
Acute Tox. 4 H302 Harmful if swallowed.
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
GHS07 GHS08
Signal word Danger Hazard statements
H302 Harmful if swallowed. H341 Suspected of causing genetic defects.
H360 Maý damage fertility or the unborn child. Precautionary statements
H302 Harmini in Swallowed. H341 Suspected of causing genetic defects. 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. P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. P308+P313 IF exposed or concerned: Get medical advice/attention. P405 Store locked up
P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. P308+P313 IE exposed or concerned: Cet medical advice/attention
P405 Store locked up. P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
WHMIS classification
D1B - Toxic material causing immediate and serious toxic effects D2A - Very toxic material causing other toxic effects
Classification system HMIS ratings (scale 0-4)
(Hazardous Materials Identification System)
HEALTH Image: Prescription of the state
REACTIVITY 1 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:
24280-93-1 Mycophenolic acid Concentration: ≤100%
Identification number(s): EC number: 246-119-3
(Contd. on pa

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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. 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 Harmful if swallowed. May damage fertility or the unborn child. Indication of any immediate medical attention and special treatment needed No further relevant. 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 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 personal protection equipment. See Section 13 for disposal information. Protective Action Criteria for Chemicals PAC-1: Substance is not listed. PAC-3: 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. 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. Store away from oxidizing agents. Such a way non-containing agoing. 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 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. 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 air-purifying respirators are appropriate. Only use equipment tested and approved under appropriate government standards. Impervious gloves Exposure controls Indervious 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. Material of gloves Nitrile rubber, NBR Penetration time of glove material (in minutes) 480 Glove thickness: 0.11 mm Eye protection: Safety glasses with side shields / NIOSH (US) or EN 166(EU) (Contd. on page 3)

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Body protection: Protective work clothing.

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9 Physical and chemical properties				
Information on basic physical and ch General Information Appearance: Form: Odor:				
Odor threshold:	Not determined.			
pH-value:	Not applicable.			
Change in condition Melting point/Melting range: Boiling point/Boiling range: Sublimation temperature / start: Flammability (solid, gaseous) Ignition temperature: Decomposition temperature: Auto igniting:	139-141 °C (282-286 °F) Not determined Not determined Not determined Not determined Not determined Not determined Not determined.			
Danger of explosion: Explosion limits:	Not determined.			
Explosion limits: Lower: Upper: Vapor pressure: Density: Relative density Vapor density Evaporation rate Solubility in / Miscibility with Water:	Not determined Not applicable. Not determined Not determined. Not applicable. Not applicable. Not applicable.			
Partition coefficient (n-octanol/water)				
Viscosity: dynamic: kinematic: Other information	Not applicable. Not applicable. No further relevant information available.			
10 Stability and reactivity Reactivity No information known. Chemical stability Stable under recommended storage conditions. Thermal decomposition / conditions to be avoided: Decomposition will not occur if used and stored according to specifications. Possibility of hazardous reactions Reacts with strong oxidizing agents Conditions to avoid No further relevant information available. Incompatible materials: Oxidizing agents Heat Hazardous decomposition products: Carbon monoxide and carbon dioxide				
11 Toxicological information				
Information on toxicological effects Acute toxicity: Harmful if swallowed. The Registry of Toxic Effects of Chemical Substances (RTECS) contains acute toxicity data for this substance.				
LD/LC50 values that are relevant for classification: Oral LD50 352 mg/kg (rat)				
Skin irritation or corrosion: May cause irritation Eye irritation or corrosion: May cause irritation Sensitization: No sensitizing effects known. Germ cell mutagenicity: Suspected of causing genetic defects. The Registry of Toxic Effects of Chemical Substances (RTECS) contains mutation data for this substance. Carcinogenicity: No classification data on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH.				
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 - single exposure: No effects known. Aspiration hazard: No effects known. Subacute to chronic toxicity: The Registry of Toxic Effects of Chemical Substances (RTECS) contains multiple dose toxicity data for this substance. 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 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. Ecotoxical effects: Remark: Very toxic for aquatic organisms Additional ecological information: General notes:				
Danger to drinking water if even extrem	rater, water course or sewage system, even in small quantities. nely small quantities leak into the ground.			
Also poisonous for fish and plankton in May cause long lasting harmful effects t	water bodies			
Avóid transfer into the environment. (Contd. on page 4)				

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Very toxic for aquatic organisms 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 or national regulations to ensure proper disposal. Uncleaned packagings: Recommendation: Disposal must be made according to official regulations.			
14 Transport information			
UN-Number DOT, IMDG, IATA	UN3077		
UN proper shipping name			
DOT ADR IMDG, IATA	Environmentally hazardous substances, solid, n.o.s. (Mycophenolic acid) 3077 Environmentally hazardous substances, solid, n.o.s. (Mycophenolic acid) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Mycophenolic acid)		
Transport hazard class(es) DOT, IMDG			
Class Label ADR	9 Miscellaneous dangerous substances and articles 9		
Class Label IATA	9 (M7) Miscellaneous dangerous substances and articles 9		
Class	9 Miscellaneous dangerous substances and articles		
Label	9		
Packing group DOT, ADR, IMDG, IATA	III		
Environmental hazards: Special marking (ADR): Special marking (IATA):	Symbol (fish and tree) Symbol (fish and tree)		
Special precautions for user EMS Number: Stowage Category Stowage Code	Warning: Miscellaneous dangerous substances and articles F-A,S-F A SW23 When transported in BK3 bulk container, see 7.6.2.12 and 7.7.3.9.		
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Cod	· · · · · · · · · · · · · · · · · · ·		
Transport/Additional information:			
DOT Marine Pollutant (DOT):	No		
UN "Model Regulation":	UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCES, SOLID, N.O.S. (MYCOPHENOLIC ACID), 9, III		
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 GHS07 GHS08			
Signal word Danger Hazard statements H302 Harmful if swallowed. H341 Suspected of causing genetic defects. 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. P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. 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. National regulations This product is not listed in the U.S. Environmental Protection Agency Toxic Substances Control Act Chemical Substance Inventory.			

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).

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(Contd. of page 4 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. Initiation of the state properties of the project of the 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:
ABR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods DOT: US Department to 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 Association
ENECS: European Inventory of Existing Commercial Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) HMIS: Hazardous Materials Information System (Canada) LC50: Lethal concentration, 50 percent
UBT: Presistent, Bioaccumulative and Toxic SVHC: Substances of Very High Concern VPWE: very Persistent, and very Bioaccumulative ACGIH: American Conference of Governmental Industrial Hygienists (USA) OSHA: Occupational Safety and Haeth Administration (USA)
NTP: National Toxicology Program (USA)
NTP: National Toxicology Program (USA)
Actue Tox, 4: Acute Toxic Toxicology 2 Repr. 4: Acute Toxicology 2 Repr. 4: Acute Toxicology 2 Repr. 1A: Reproductive toxicity – Category 4 Muta. 2: Germ cell mutagenicity – Category 1 Rec: International Agency (USA)
Rep: A: Reproductive toxicity – Category 1 Acute Tox. 4: Acute Toxicology 1 Acute Tox. 4: Acute Toxicology 1 Acute Tox. 4: Acute Toxicology 2 Repr. 1A: Reproductive toxicity – Category 1 Acute Tox. 4: Acute Toxicology 1 Acute Tox. 4: Acute Toxicology 2 Repr. 1A: Reproductive toxicity – Category 1

USA