

Safety Data Sheet per OSHA HazCom 2012

1 Identification
Product identifier Product name: 4-(4,6-Dichloro-2-pyrimidinyl)morpholine
Stock number:
10397-13-4 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 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)
GHS07
Skin Irrit. 2 H315 Causes skin irritation. Eye Irrit. 2A H319 Causes serious eye irritation.
STOT SE 3 H335 May cause respiratory irritation. 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
$\langle \mathbf{t} \rangle$
GHS07
Signal word Warning Hazard statements H315 Causes skin irritation. H319 Causes serious eye irritation. H319 Causes serious eye irritation. H335 May cause respiratory irritation. Precautionary statements P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P280 Wear protective gloves/protective clothing/eye protection/face protection. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P405 Store locked up. P501 Dispose of contents/container in accordance with local/regional/national/international regulations. WHMIS classification D2B - Toxic material causing other toxic effects
Classification system HMIS ratings (scale 0-4) (Hazardous Materials Identification System)
Health (acute effects) = 1 If RE If Reammability = 1 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: 10397-13-4 4-(4,6-Dichloro-2-pyrimidinyl)morpholine
4 First-aid measures
Description of first aid measures After inhalation Supply track on the first and provide artificial respiration. Keep patient werm
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. (Contd. on page 2)

Product name: 4-(4,6-Dichloro-2-pyrimidinyl)morpholine

(Contd. of page 1)

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 Special hazards arising from the subs If this product is involved in a fire, the fol Carbon monoxide and carbon dioxide Nitrogen oxides (NOx) Hydrogen chloride (HCl) Advice for firefighters Protective equipment: Wear self-contained respirator. Wear fully protective impervious suit.	dioxide, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam. stance or mixture lowing can be released:
6 Accidental release measures Personal precautions, protective equi Wear protective equipment. Keep unpro- Ensure adequate ventilation Environmental precautions: Do not all Methods and material for containmen Prevention of secondary hazards: No 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.	tected persons away. The severe system or any water course. ow product to reach sewage system or any water course. t and cleaning up: Ensure adequate ventilation. special measures required.
Conditions for safe storage, including Storage Requirements to be met by storeroom	explosions and fires: No information known. I any incompatibilities Is and receptacles: No special requirements. Imon storage facility: Store away from oxidizing agents. Inditions:
Control parameters Components with limit values that req The product does not contain any releva Additional information: No data Exposure controls Personal protective equipment General protective equipment General protective and hygienic meas The usual precautionary measures for he Keep away from foodstuffs, beverages a Remove all soiled and contaminated clou Wash hands before breaks and at the er Avoid contact with the eyes and skin. Maintain an ergonomically appropriate we Breathing equipment: Use suitable res Protection of hands: Impervious gloves Check protective gloves prior to each us	of technical systems: designed for hazardous chemicals and having an average face velocity of at least 100 feet per minute. guire monitoring at the workplace: nt quantities of materials with critical values that have to be monitored at the workplace. sures andling chemicals should be followed. Ind feed. thing immediately. To of work. rorking environment. pirator when high concentrations are present. e for their proper condition. depends on the material, but also on quality. Quality will vary from manufacturer to manufacturer. minutes) Not determined
9 Physical and chemical properties	
Information on basic physical and che General Information Appearance: Form: Color: Odor: Odor threshold:	
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:	Not determined Not determined Not determined Not determined. Not determined Not determined Not determined

(Contd. on page 3) USA

Product name: A-(A.6-Dichloro-2-pyrimidinyl)morpholing

Page 3/4 Printing date 11/24/2015 Reviewed on 12/13/2013

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			(Contd. on page 4)

roduct name: 4-(4,6-Dichloro-2-pyrimidinyl)morpholine	
(Co	ontd. of page 3)
Transport/Additional information:	
DOT Marine Pollutant (DOT): No	
UN "Model Regulation":	
5 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	
Signal word Warning Hazard statements H315 Causes skin irritation. H315 Causes skin irritation. H325 May cause respiratory irritation. P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P260 Wear protective gloves/protective clothing/eye protection/face protection. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. 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. Use of this product is not listed on the Canadian Domestic Substance is not listed. product must not be used for commercial purposes or in formulations for commercial purposes. This product is not listed on the Canadian Domestic Substance is not listed. Prop 65 - Chemicals Known to cause cancer Substance is not listed. Prop 65 - Chemicals Known to cause cancer 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 to	CA. This
6 Other information Employers should use this information only as a supplement to other information gathered by them, and should make independent judgement of suitabil information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the pro- conformance with this Material 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 / last revision 11/24/2015 / - Abbreviations and acronyms: ADR: Accord europeen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) DOT: US Department of Transportation CAS: Chemical Abstracts Service (division of the American Chemical Society) HMIS: Hazardous Materials Identification System (USA) WHMIS: Hazardous Materials Identification System (USA) WHMIS: Bornet Hazardous Materials Information System (Canada) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent VPS: very Persistent and very Bioaccumulative ACGH: American Contence of Governmental Industrial Hygienists (USA) OSHA: Occupational Safety and Health Administration (USA) WTP: National Toxicology Program (USA) WTP: National Toxicology Program (USA)	

EPA: Environmental Protection Agency (USA)

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