



	Reviewed of 11/25/2000
1	Identification
	Product identifier Product name: 2-Mercapto-5-methyl-1,3,4-thiadiazole
	Stock number: B21355, L08503
	CAS Number: 29490-19-5
	EC number: 249-667-1
	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
	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.
4	P. Hazard(s) identification Classification of the substance or mixture in accordance with 29 CFR 1910 (OSHA HCS)
	GHS07
	\checkmark
	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. Stench
	Label elements
	GHS label elements The product is classified and labeled in accordance with 29 CFR 1910 (OSHA HCS) Hazard pictograms
	\wedge
	GHS07
	Signal word Warning
	Hazard statements
	H315 Causes skin irritation. H319 Causes serious eye irritation.
	H335 May cause respiratory irritation. Precautionary statements D264
	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.
	P304+P330 IF IN ETES. Rinse caliboraty with water for several minutes. Remove contact lenses, it present and easy to do. Continue mising. 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
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	Classification system HMIS ratings (scale 0-4)
	(Hazardouš Materials Identification System)
	Image: Present of the constraint of the constrain
	Other hazards
	Results of PBT and vPvB assessment PBT: Not applicable.
	vPvB: Not applicable.
3	B Composition/information on ingredients
	Chemical characterization: Substances CAS# Description:
	29490-19-5 2 ⁻ Mercapto-5-methyl-1,3,4-thiadiazole Identification number(s):
	EC number: 249-667-1 ´
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.
	(Contd. on page 2)

(Contd. of page 1)

Product name: 2-Mercapto-5-methyl-1,3,4-thiadiazole 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 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) Nitrogen oxides (NOx) Hydrogen sulfide 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 Environmental precautions: Do not allow material to be released to the environment without proper governmental permits. Methods and material for containment and cleaning up: Ensure adequate ventilation. Prevention of secondary hazards: No special measures required. Reference to other sections See Section 7 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. 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: 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

Personal protective equipment

The usual 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. Avoid contact with the eyes and skin.

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. Eye protection: Safety glasses Body protection: Protective work clothing.

9 Physical and chemical propertie	S
Information on basic physical and cl General Information Appearance:	
Form:	Powder
Color:	Off-white
Odor:	Not determined
Odor threshold:	Stench Not determined.
pH-value:	Not applicable.
Change in condition Melting point/Melting range: Boiling point/Boiling range:	182-185 °C (360-365 °F) Not determined

Product name: 2-Mercapto-5-methyl-1,3,4-thiadiazole

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Not dangerous according to the above specifications.
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ace protection. Is. Remove contact lenses, if present and easy to do. Continue rinsing. table for breathing. ional/national/international regulations. Substances Control Act Chemical Substance Inventory. Use of this product is restricte nder the supervision of a technically qualified individual as defined by TSCA. This mercial purposes. I. lividuals. ations (EC) No. 1907/2006. Substance is not listed. the Regulation (EC) No 1907/2006 (REACH) for the manufacturing, placing on the carried out.
ion gathered by them, and should make independent judgement of suitability of this es. This information is furnished without warranty, and any use of the product not in other product or process, is the responsibility of the user. r (Regulations Concerning the International Transport of Dangerous Goods by Rail)