

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

1.1	CAS Number: 29	Methyl methanesulfonothioate(S-Methyl m 49-92-0 766725	ethanesulfonothioate)
1.2		of the substance or mixture and uses adv r laboratory research purposes.Not for dr	0
1.3	Details of the supplier of Ambeed, Inc. 1001 Asbury Dr., Buffalo Tel: 630-580-1088 E-	-	
1.4	Emergency telephone nu Emergency phone (USA Emergency phone (Cana): 1-352-323-3500	AnnBer
2.	HAZARDS IDENTIFIC	CATION	
2.1	GHS Classification in ac Acute toxicity, oral , acute inhalation(Category 3) Skin corrosion/irritation (Serious eye damage/eye	n corrosion/irritation (Category 2)H315ious eye damage/eye irritation(Category 2A)H319ecific target organ toxicity, single exposure;RespiratoryH335eem(Category 3)H335	
2.2	GHS Label elements, inc Pictogra	cluding precautionary statements	
	Signal word:	Danger	
	Hazard statement(s) H301+H311+H331 H315 H319 H335	Toxic if swallowed, in con Causes skin irritation Causes serious eye irritat May cause respiratory irri	ion
	Precautionary statement P261 P264 P270 P271 P280 P301+P310+P330	Avoid breathing dust/fum Wash hands thoroughly a Do not eat, drink or smok Use only outdoors or in a Wear protective gloves/p protection.	e when using this product.
		doctor/physician. Rinse n	•

Product Url: www.ambeed.com/products/2949-92-0.html

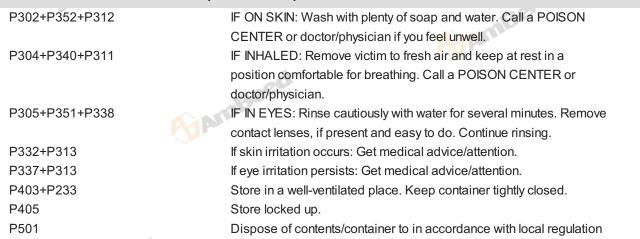
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2.3 Other hazards

Additional precautionary phrases are located throughout the safety data sheet.

3. COMPOSITION, INFORMATION ON INGREDIENTS

3.1 Molecular Formula: Molecular Weight: C2H6O2S2 126.20

Component		Concentration	
S-Methyl methanesulfonothioate			
CAS Number	2949-92-0	-	

4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact

Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Continue rinsing eyes during transport to hospital.

If swallowed

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed

No data available

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5. FIRE FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: alcohol-resistant foam, dry chemical or carbon dioxide Unsuitable extinguishing media: no data

5.2 Special hazards arising from the substance or mixture In combustion toxic fumes may form.

5.3 Advice for firefighters

Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Wear respiratory protection. Avoid dust formation. Avoid breathing vapours, mist or gas.Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.Do not attempt to take action without suitable protective clothing.For personal protection see section 8.

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains or river. Alert the neighbourhood to the presence of fumes or gas.

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6.3 Methods and materials for containment and cleaning up

Mix with sand or vermiculite. Sweep up and shovel. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

6.4 Reference to other sections

For disposal see section 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Wash hands thoroughly after handling. Ensure there is sufficient ventilation of the area.

Normal measures for preventive fire protection. For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated area. Containers which are opened must be carefully resealed and kept upright to prevent leakage.Inert atmosphere, room temperature

7.3 Specific end use(s)

The end use(s) have not been fully determined. The substance is supplied for Research and Development purposes by professionals only.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

8.1 Control parameters

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Appropriate engineering controls

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Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product.

Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body Protection

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

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Control of environmental exposure

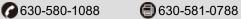
Do not let product enter drains.

PHYSICAL AND CHEMICAL PROPERTIES 9.

•.				
	Appearance	Form: liquid Colour: yellow		
	Boiling Point	No data available		
	Melting Point	No data available		
	Odour	No data available		
	Odour Threshold	No data available		
	pH	No data available		
	Flash point	No data available		
	Evapouration rate	No data available		
	Vapour pressure	No data available		
	Vapor Density	No data available		
	Relative density	No data available		
	Solubility in water	No data available		
	Auto-ignition temperature	No data available		
	Decomposition temperature	No data available		
	Viscosity No Data	No data available		
	Explosive properties	No data available		
	Oxidizing properties	No data available		
10.	STABILITY AND REACTIVITY			
10.1	Reactivity		00	
	No data available		AmBer	
Dro	duct Ltl: www.ombood.com/products/2040.02.0.html			

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10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions No data available

10.4 Conditions to avoid Heat, flames and sparks.

10.5 Incompatible materials

Oxidizing agents

10.6 Hazardous decomposition products

Carbon monoxide, carbon dioxide, oxides of sulfur

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute Toxicity Skin corrosion/irritation Serious eye Damage/irritation Respiratory or skin sensitisation Germ Cell mutagenicity Carcinogenicity Reproductive toxicity STOT-single exposure STOT-repeated exposure Aspiration hazard

AmBeed No data available No data available

11.2 Additional

To the best of our knowledge the acute and chronic toxicity of this substance is not fully known. No classification data on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH

12. ECOLOGICAL INFORMATION

- 12.1 Toxicity 🏸 No data available
- 12.2 Persistence and degradability AmBeed No data available
- 12.3 Bioaccumulative potential No data available
- 12.4 Mobility in soil No data available

12.5 Results of PBT and vPvB assessment

No data available

12.6 Other adverse effects No data available

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3.		•		AmBeed		
	hazardous waste. Disposal of Packa	nethods ns I or national regulati		over to authorised disposal company as		
4.	TRANSPORT INFORMATION					
14.1	UN number ADR/RID: 2810	Ĩ	MDG: 2810	IATA: 2810		
14.2	UN proper shipping ADR/RID: Toxic liq IMDG: Toxic liquid, IATA: Toxic liquid,	uid, organic, n.o.s. , organic, n.o.s.	AAmBeed			
4.3	Transport hazard c ADR/RID: 6.1		MDG: 6.1	IATA: 6.1		
4.4	Packaging group ADR/RID: III	n	MDG: III			
4.5	Environmental haz ADR/RID: -		MDG: -	IATA: -		
4.6	Special precaution	ns for user tions requir <mark>ed</mark>	MDG:-			
4.7	Further information	1				
5.	REGULATORY	INFORMATION				
	California Proposit Not listed on Califo U.S. Federal Regu SARA 313: Not ap SARA 302: Not ap	ion 65 mia's listing of know lations plicable plicable zard Categories: S t	estances Control Act (TSCA) in wn or potential carcinogens.			
6.	OTHER INFORM The reference com Company: Ambeed Tel:630-580-1088	MATION pany name of writte d, Inc.	788 E-mail:sales@ambeed.	com		
Prod	duct Url: www.ambeed	.com/products/2949-	92-0.html	For Research Use Or		
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This SDS was prepared sincerely on the basis of the information we could obtained, however, any warranty shall not be given regarding the data contained and the assessment of hazards and toxicity. Prior to use, please investigate not only the hazards and toxicity information but also the laws and regulations of the organization, area and country where the products are to be used, which shall be given the first priority. products are supposed to be used promptly after purchase in consideration of safety. Some new information or amendments may be added afterwards. If the products are to be used far behind the expected time of use or you have any questions, please feel free to contact us. The stated cautions are for normal handling only. In case of special handling, sufficient care should be taken, in addition to the safety measures suitable for the situation. All chemical products should be treated with the recognition of "having unknown hazards and toxicity", which differ greatly depending on the conditions and handling when in use and/or the conditions and duration of storage. The products must be handled only by those who are familiar with specialized knowledge and have experience or under the guidance of those specialists throughout use from opening to storage and disposal. Safe usage conditions shall be set up on each user's own responsibility.

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