



Material Safety Data Sheet

6-(Methylthio)-purine

Section 1 - Chemical Product and Company Identification

MSDS Name:

6-(Methylthio)-purine

Catalog Numbers:

JFD01558DA, JFD01558EA

Synonyms:

6-methylmercaptapurine; 1H-purine,6-(methylthio).

Company Identification:Maybridge plc
Trevillet
Tintagel
Cornwall, England, PL34 0HW**Company Phone Number:**

+44(0)1840770453

Emergency Phone Number:

+32 14 57 52 99

Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name:	Percent	EINECS/ ELINCS
50-66-8	6-(methylthio)-purine	ca.100	200-057-3

Risk Phrases:

Hazard Symbols:

Risk Phrases:None listed.

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

*The toxicological properties of this material have not been fully investigated.***Potential Health Effects****Eye:**

May cause eye irritation.

Skin:

May cause skin irritation.

Ingestion:

May cause irritation of the digestive tract. The toxicological properties of this substance have not been fully investigated.



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Inhalation:

May cause respiratory tract irritation. The toxicological properties of this substance have not been fully investigated.

Chronic:

No information found.

Section 4 - First Aid Measures

Eyes:

Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.

Skin:

Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

Ingestion:

If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid immediately.

Inhalation:

Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

Notes to Physician:

Treat symptomatically and supportively.

Antidote:

None reported.

Section 5 - Fire Fighting Measures

General Information:

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

Extinguishing Media:

Use water spray, dry chemical, carbon dioxide, or appropriate foam.

Autoignition Temperature:

Not available.

Explosion Limits:

Lower: N/A Upper: N/A

Flash Point:

Not available.

Section 6 - Accidental Release Measures

General Information:

Use proper personal protective equipment as indicated in Section 8.



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Spills/Leaks:

Clean up spills immediately, observing precautions in the Protective Equipment section. Sweep up or absorb material, then place into a suitable clean, dry, closed container for disposal. Avoid generating dusty conditions. Provide ventilation.

Section 7 - Handling and Storage

Handling:

Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation.

Storage:

Keep container closed when not in use. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Deep freeze (below -20°C).

Section 8 - Exposure Controls, Personal Protection

Engineering Controls:

Use adequate ventilation to keep airborne concentrations low.

Personal Protective Equipment

Eyes:

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin:

Wear appropriate protective gloves to prevent skin exposure.

Clothing:

Wear appropriate protective clothing to prevent skin exposure.

Respirators:

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

Section 9 - Physical and Chemical Properties

Physical State: Powder

Color: white

Odor: No information found.

pH: No information found.

Vapor Pressure: No information found.

Viscosity: No information found.

Boiling Point: No information found.

Freezing/Melting Point: 221.00 - 222.00°C

Decomposition Temperature: No information found.

Solubility in water: No information found.

Specific Gravity/Density: No information found.

Molecular Formula: C₆H₆N₄S



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Molecular Weight 166.20

Section 10 - Stability and Reactivity

Chemical Stability:

Stable under normal temperatures and pressures.

Conditions to Avoid:

Incompatible materials, dust generation, strong oxidants.

Incompatibilities with Other Materials

strong oxidizing agents.

Hazardous Decomposition Products

Carbon monoxide, oxides of nitrogen, oxides of sulfur, irritating and toxic fumes and gases, carbon dioxide.

Hazardous Polymerization

Will not occur.

Section 11 - Toxicological Information

RTECS:

CAS# 50-66-8: UO8976000.

LD50/LC50:

CAS# 50-66-8:
No information found.

Carcinogenicity:

CAS# 50-66-8: Not listed as a carcinogen by ACGIH, IARC, NIOSH, NTP, OSHA, or CA Prop 65.

Other:

See actual entry in RTECS for complete information.

Section 12 - Ecological Information

Other:

Section 13 - Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

Section 14 - Transport Information

	IATA	IMO	RID/ADR
Proper Shipping Name:	Not regulated as a hazardous material.	Not regulated as a hazardous material.	Not regulated as a hazardous material.
Hazard Class:			
UN Number:			
Packing Group:			



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Section 15 - Regulatory Information

European/International Regulations

European Labelling in Accordance with EC Directives:

Hazard Symbols:

Risk Phrases:

Safety Phrases: S 24/25 Avoid contact with skin and eyes.

S 28A After contact with skin, wash immediately with plenty of water.

S 37 Wear suitable gloves.

S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

WGK (Water Danger/Protection)

No information found.

United Kingdom Occupational Exposure Limits

No information found.

United Kingdom Maximum Exposure Limits

No information found.

Canadian DSL/NDSL

None of the chemicals in this product are listed on the DSL/NDSL list.

Canadian WHMIS Classifications

This product does not have a WHMIS classification.

Canadian Ingredient Disclosure List

No information found.

Exposure Limits

No information found.

US Federal

TSCA

CAS# 50-66-8 is not listed on the TSCA Inventory. It is for research and development use only.

Section 16 - Other Information

MSDS Creation Date: January 19, 1999

Revision Date: March 18, 2003

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