

FLINN SCIENTIFIC, INC.

Material Safety Data Sheet (MSDS)

MSDS #: 507.00

Revision Date: September 27, 2010

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Methenamine

Flinn Scientific, Inc. P.O. Box 219 Batavia, IL 60510 (800) 452-1261

CHEMTREC Emergency Phone Number: (800) 424-9300

SECTION 2 — COMPOSITION, INFORMATION ON INGREDIENTS

Methenamine

Synonym: hexamethylenetetramine

CAS#: 100-97-0

SECTION 3 — HAZARDS IDENTIFICATION

White or colorless, odorless powder or crystals.

Moderately toxic by ingestion.

Irritating to skin. Sensitizer.

Combustible solid.

FLINN AT-A-GLANCE

Health-2

Flammability-2

Reactivity-1

Exposure-2

Storage-0

0 is low hazard, 3 is high hazard

SECTION 4 — FIRST AID MEASURES

Call a physician, seek medical attention for further treatment, observation and support after first aid.

Inhalation: Remove to fresh air at once. If breathing has stopped give artificial respiration immediately.

Eye: Immediately flush with fresh water for 15 minutes.

External: Wash continuously with fresh water and mild soap for 15 minutes.

Internal: Give large quantities of water. Call a physician or poison control at once.

SECTION 5 — FIRE FIGHTING MEASURES

Class IIIB combustible solid.

Flash Point: 482 °F Autoignition Temperature: 770 °F

When heated to decomposition, emits toxic fumes of NOx.

Fire Fighting Instructions: Use triclass, dry chemical fire extinguisher. Firefighters should wear PPE and SCBA with full facepiece operated in positive pressure mode.

NFPA CODE

None
established

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Restrict unprotected personnel from area. Sweep up, place in sealed bag or container and dispose. Ventilate area and wash spill site after material pickup is complete. See Sections 8 and 13 for further information.

SECTION 7 — HANDLING AND STORAGE

Flinn Suggested Chemical Storage Pattern: Organic #2. Store with alcohols, glycols, amines and amides.

SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

Avoid contact with eyes, skin, and clothing. Wear chemical splash goggles, chemical-resistant gloves, and chemical-resistant apron.

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SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

White or colorless, odorless powder or crystals.

Solubility: Soluble in water and alcohol, and chloroform.

Insoluble in ether.

Formula: C₆H₁₂N₄

Formula Weight: 140.19

Specific Gravity: 1.27 (25 °C)

Melting Point: 280 °C (sublimes)

SECTION 10 — STABILITY AND REACTIVITY

Avoid contact with strong oxidizers and strong acids.

Shelf life: Indefinite.

SECTION 11 — TOXICOLOGICAL INFORMATION

Acute effects: Irritant, sensitizer

Chronic effects: Mutagen

Target organs: N.A.

ORL-RAT LD₅₀: N.A.IHL-RAT LC₅₀: N.A.SKN-RBT LD₅₀: N.A.

N.A. = Not available, not all health aspects of this substance have been fully investigated.

SECTION 12 — ECOLOGICAL INFORMATION

Data not yet available.

SECTION 13 — DISPOSAL CONSIDERATIONS

Please consult with state and local regulations.

Flinn Suggested Disposal Method #26b is one option.

SECTION 14 — TRANSPORT INFORMATION

Shipping Name: Hexamethylenetetramine

Hazard Class: 4.1, Flammable solid

UN Number: UN1328

N/A = Not applicable

SECTION 15 — REGULATORY INFORMATION

TSCA-listed, EINECS-listed (202-905-8), RCRA code D001.

SECTION 16 — OTHER INFORMATION

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**Consult your copy of the *Flinn Science Catalog/Reference Manual*
for additional information about laboratory chemicals.**