

**FLINN SCIENTIFIC, INC.**  
**Material Safety Data Sheet (MSDS)**

MSDS #: 576.00

Revision Date: September 27, 2010

**SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**Paraformaldehyde**

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**

Paraformaldehyde

Synonym: Polymerized Formaldehyde

CAS#: 30525-89-4

**SECTION 3 — HAZARDS IDENTIFICATION**

White crystals or powder with a slight odor of formaldehyde.  
Moderately toxic by ingestion. Severely irritating to body tissues. Sensitizer. Avoid all body tissue contact.

**FLINN AT-A-GLANCE**

Health-2

Flammability-1

Reactivity-0

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: Rinse out mouth, give large quantities of water. Call a physician or poison control at once. Never give anything by mouth to an unconscious person.

**SECTION 5 — FIRE FIGHTING MEASURES**

Combustible solid.

Flash Point: 160 °F Upper: 73% Lower: 7% Autoignition Temperature: 572 °F

When heated to decomposition, emits formaldehyde gas.

**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**

H-2

F-1

R-0

**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 #3. Store with hydrocarbons, esters and aldehydes.

Keep container tightly closed.

Store in a cool dry place.

**SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION**

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

**SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES**

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White crystals or powder with a slight odor of formaldehyde.

Melting Point: 163-165 °C (decomposes)

A polymer form of formaldehyde.

Vapor Pressure: &lt;1.45 mmHg (25 °C)

Solubility: Soluble in strong alkali solution, and water.

Insoluble in alcohol.

Formula: (CH<sub>2</sub>O)<sub>n</sub>

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**SECTION 10 — STABILITY AND REACTIVITY**

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Avoid strong acids, strong bases, acid anhydrides, strong oxidizing agents, strong reducing agents, copper, brass and steel.

Avoid contact with isocyanates, oxides and bronze.

Shelf Life: Poor, moisture sensitive.

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**SECTION 11 — TOXICOLOGICAL INFORMATION**

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Acute effects: Severe irritant, sensitizer

ORL-RAT LD50: 800 mg/kg

Chronic effects: N.A.

IHL-RAT LC50: N.A.

Target organs: N.A.

SKN-RBT LD50: N.A.

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

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**SECTION 12 — ECOLOGICAL INFORMATION**

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Data not yet available.

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**SECTION 13 — DISPOSAL CONSIDERATIONS**

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Please consult with state and local regulations before disposal.

Flinn Suggested Disposal Method #2 is one option.

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**SECTION 14 — TRANSPORT INFORMATION**

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Shipping Name: Paraformaldehyde

Hazard Class: 4.1, Flammable solid

UN Number: UN2213

N/A = Not applicable

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**SECTION 15 — REGULATORY INFORMATION**

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TSCA-listed.

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**SECTION 16 — OTHER INFORMATION**

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

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