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.

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SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

White crystals or powder with a slight odor of formaldehyde.
A polymer form of formaldehyde.
Solubility: Soluble in strong alkali solution, and water.
Insoluble in alcohol.
Formula: $(CH_2O)n$

Melting Point: 163-165 °C (decomposes)
Vapor Pressure: <1.45 mmHg (25 °C)

SECTION 10 — STABILITY AND REACTIVITY

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.

SECTION 11 — TOXICOLOGICAL INFORMATION

Acute effects: Severe irritant, sensitizer
Chronic effects: N.A.
Target organs: N.A.

ORL-RAT LD50: 800 mg/kg
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 before disposal.
Flinn Suggested Disposal Method #2 is one option.

SECTION 14 — TRANSPORT INFORMATION

Shipping Name: Paraformaldehyde
Hazard Class: 4.1, Flammable solid
UN Number: UN2213
N/A = Not applicable

SECTION 15 — REGULATORY INFORMATION

TSCA-listed.

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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