

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

MSDS #: 316.61

Revision Date: October 12, 2011

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Embedding Plastic Catalyst

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

Methyl ethyl ketone peroxide (1338-23-4) 36-40% & Dimethylphthalate (131-11-3) 45-49%.

CAS#: None established

SECTION 3 — HAZARDS IDENTIFICATION

Clear, colorless solution. Slightly pungent odor.
Moderately toxic by ingestion or inhalation.
Severe eye irritant and moderate skin irritant. Avoid all body tissue contact.

FLINN AT-A-GLANCE

Health-2
Flammability-2
Reactivity-3
Exposure-3
Storage-2

0 is low hazard, 3 is high hazard

SECTION 4 — FIRST AID MEASURES

Call a physician and 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 or External: Immediately flush with fresh water for at least 15 minutes.
Internal: Rinse mouth. Give large quantities of water for dilution. Call a physician or poison control at once.

SECTION 5 — FIRE FIGHTING MEASURES

Combustible liquid.
Once ignited, material will burn vigorously. Powerful oxidizer; potential explosion hazard.
Fire Fighting Instructions: Use a 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 the area. Remove all ignition sources and ventilate area. Contain the spill with sand or other inert absorbent material and deposit in a sealed bag or container. See Sections 8 and 13 for further information.

SECTION 7 — HANDLING AND STORAGE

Flinn Suggested Chemical Storage Pattern: Organic #6. Store with peroxides, hydroperoxides, and azides.
Store in a cool, dry place. Use and dispense in a hood.

SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

Avoid contact with eyes, skin, and clothing. Wear chemical splash goggles, chemical-resistant gloves, and chemical-resistant apron. Use ventilation to keep airborne concentrations below exposure limits. Always wear a NIOSH-approved respirator with proper cartridges or a positive pressure, air-supplied respirator when handling this material in emergency situations (spill or fire).

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Clear, colorless liquid with a slightly pungent odor. Specific gravity: 1.11
Solubility: Insoluble in water. Soluble in many organic solvents.

SECTION 10 — STABILITY AND REACTIVITY

Avoid contact with acids, heat, sparks, flame, and direct sunlight. Decomposes above 68 °C.
Shelf life: Fair.

SECTION 11 — TOXICOLOGICAL INFORMATION

Acute effects: Severe eye irritant.	ORL-RAT LD ₅₀ : 1017 mg/kg for methyl ethyl ketone peroxide
Chronic effects: N.A.	IHL-RAT LC ₅₀ : N.A.
Target organs: N.A.	SKN-RBT LD ₅₀ : 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 review all federal, state and local regulations that may apply, before proceeding.
Flinn Suggested Disposal Method #22b is one option.

SECTION 14 — TRANSPORT INFORMATION

Shipping name: Organic Peroxide Type D, liquid (methyl ethyl ketone peroxides < 45%)
Hazard class: 5.2
UN number: UN3105
N/A = Not applicable

SECTION 15 — REGULATORY INFORMATION

Not 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.**