

FLINN SCIENTIFIC, INC.

Material Safety Data Sheet (MSDS)

MSDS #: 575.00

Revision Date: April 11, 2012

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Paraffin Wax

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

Paraffin Wax

CAS#: 8002-74-2

SECTION 3 — HAZARDS IDENTIFICATION

White translucent solid. Odorless.
Substance is not considered hazardous. Not for topical use.
Combustible solid. Wax does not always smoke before it ignites. If melting wax use a thermometer.

FLINN AT-A-GLANCE

Health-0
Flammability-1
Reactivity-0
Exposure-0
Storage-0

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.
Eye: Immediately flush with fresh water for at least 15 minutes.
External: Remove hot wax immediately and treat burn appropriately.

SECTION 5 — FIRE FIGHTING MEASURES

Class IIIB combustible solid.
Flash point: 199 °C Flammable limits: Lower: 1% Upper: 7% Autoignition Temperature: 245 °C
Wax does not always smoke before it ignites. If melting wax use a thermometer.
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-1
F-1
R-0

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Restrict unprotected personnel from area. Sweep up, place in sealed bag or container and dispose. See Sections 8 and 13 for further information.

SECTION 7 — HANDLING AND STORAGE

Flinn Suggested Chemical Storage Pattern: Organic #3. Store with hydrocarbons, esters, aldehydes and oils.

SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

Avoid contact with eyes. Wear chemical splash goggles. Use ventilation to keep airborne fume concentrations below exposure limits if heating the wax. Always wear a NIOSH-approved respirator with proper cartridges or a positive pressure, air-supplied respirator when handling this material in emergency situations (fire).
Exposure guidelines: REL 2 mg/m³ as fume (NIOSH)

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

White, odorless, translucent solid.

Solubility: Insoluble in water.

Mixture of solid hydrocarbons of high molecular weight.

Boiling point: exceeds autoignition temperature

Melting point: 50-57 °C

Specific gravity: 0.880-0.915

Not for human use.

SECTION 10 — STABILITY AND REACTIVITY

Avoid high heat and conditions which cause the wax to catch on fire.

Shelf life: Indefinite, if stored properly.

SECTION 11 — TOXICOLOGICAL INFORMATION

Acute effects: N.A.

Chronic effects: N.A.

Target organs: N.A.

ORL-RAT LD₅₀: >5000 mg/kgIHL-RAT LC₅₀: N.A.SKN-RBT LD₅₀: >5000 mg/kg

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 #26a is one option.

SECTION 14 — TRANSPORT INFORMATION

Shipping name: Not regulated

Hazard class: N/A

UN number: N/A

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.**