

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/kg
IHL-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

This Material Safety Data Sheet (MSDS) is for guidance and is based upon information and tests believed to be reliable. Flinn Scientific, Inc. makes no guarantee of the accuracy or completeness of the data and shall not be liable for any damages relating thereto. The data is offered solely for your consideration, investigation, and verification. The data should not be confused with local, state, federal or insurance mandates, regulations, or requirements and CONSTITUTE NO WARRANTY. Any use of this data and information must be determined by the science instructor to be in accordance with applicable local, state or federal laws and regulations. The conditions or methods of handling, storage, use and disposal of the product(s) described are beyond the control of Flinn Scientific, Inc. and may be beyond our knowledge. FOR THIS AND OTHER REASONS, WE DO NOT ASSUME RESPONSIBILITY AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS, DAMAGE OR EXPENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE HANDLING, STORAGE, USE OR DISPOSAL OF THIS PRODUCT(S).

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