

**Material Safety Data Sheet**  
**Fast Flex Paraffin**

**Section 1 - Chemical Product and Company Identification**

**MSDS Name:**

Fast Flex Paraffin

**Catalog Numbers:**

9810

**Synonyms:**

Tissue Processing Media.

**Company Identification:**

Richard Allan Scientific  
4481 Campus Drive  
Kalamazoo, MI 49008

**Company Phone Number:**

800-522-7270

**Emergency Phone Number:**

800-424-9300

**CHEMTREC Phone Number, US:**

(800) 424-9300

**CHEMTREC Phone Number, Europe:**

(202) 483-7616

**Section 2 - Composition, Information on Ingredients**

CAS#	Chemical Name:	Percent	EINECS/ ELINCS
8002-74-2	Paraffin waxes and hydrocarbon waxes	100	232-315-6

**Section 3 - Hazards Identification**

**EMERGENCY OVERVIEW**

*Appearance: White to yellow solid*

*Caution! May cause eye, skin, and respiratory tract irritation.*

*Target Organs: None*

**Potential Health Effects**

**Eye:**

Vapors may cause eye irritation.

**Skin:**

Contact with heated material can cause skin burns and irritation.

**Ingestion:**

May cause irritation of the digestive tract.

**Material Safety Data Sheet**  
**Fast Flex Paraffin**

**Inhalation:**

Inhalation of a mist of this material may cause respiratory tract irritation.

**Chronic:**

Prolonged or repeated skin contact may cause dermatitis.

**Section 4 - First Aid Measures**

**Eyes:**

Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

**Skin:**

Get medical aid if irritation develops or persists. Flush skin with plenty of soap and water.

**Ingestion:**

If victim is conscious and alert, give 2-4 cupfuls of milk or water. Get medical aid.

**Inhalation:**

Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

**Notes to Physician:**

Treat symptomatically and supportively.

**Section 5 - Fire Fighting Measures**

**General Information:**

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

**Extinguishing Media:**

Use water spray, dry chemical, carbon dioxide, or chemical foam.

**Autoignition Temperature:**

Not applicable.

**Explosion Limits:**

Lower: None Reported      Upper: None Reported

**Flash Point:**

> 400°F (> 204.44°C)

**NFPA Rating:**

(estimated) Health: 1; Flammability: 1; Instability: 0

**Section 6 - Accidental Release Measures**

**General Information:**

Use proper personal protective equipment as indicated in Section 8.

**Spills/Leaks:**

Clean up spills immediately, observing precautions in the Protective Equipment section. Sweep up or absorb material, then place into a suitable clean, dry, closed container for disposal.

**Material Safety Data Sheet**  
**Fast Flex Paraffin**

**Section 7 - Handling and Storage**

**Handling:**

Wash thoroughly after handling. Wash hands before eating.

**Storage:**

Keep away from heat and flame. Store at 15°-30°C. Do not store above 35°C. Prolonged exposure to high temperatures may cause clumping. If clumping does occur, simply strike the bag to loosen material.

**Section 8 - Exposure Controls, Personal Protection**

**Engineering Controls:**

Good general ventilation should be sufficient to control airborne levels. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

**Exposure Limits**

Chemical Name:	ACGIH	NIOSH	OSHA
Paraffin waxes and hydrocarbon waxes	2 mg/m3 TWA (fume)	2 mg/m3 TWA (fume)	None listed

**OSHA Vacated PELs**

Paraffin waxes and hydrocarbon waxes: 2 mg/m3 TWA

**Personal Protective Equipment**

**Eyes:**

Wear safety glasses and chemical goggles if handling molten material.

**Skin:**

Wear heat resistant gloves, apron, and/or clothing for the handling of molten materials.

**Clothing:**

Wear heat resistant gloves, apron, and/or clothing for the handling of molten materials.

**Respirators:**

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

**Section 9 - Physical and Chemical Properties**

**Physical State:** Solid  
**Color:** White to yellow  
**Odor:** No information found  
**pH:** No information found  
**Vapor Pressure:** < 0.1  
**Vapor Density:** No information found  
**Evaporation Rate:** 0.01 (butyl acetate=1)  
**Viscosity:** No information found  
**Boiling Point:** > 370°C

**Material Safety Data Sheet**  
**Fast Flex Paraffin**

**Freezing/Melting Point:** 55-57°C

**Decomposition Temperature:** No information found

**Solubility in water:** Insoluble in water

**Specific Gravity/Density:** No information found

**Molecular Formula:** Not applicable

**Molecular Weight:** No information found

**Section 10 - Stability and Reactivity**

**Chemical Stability:**

Stable.

**Conditions to Avoid:**

Incompatible materials, excess heat

**Incompatibilities with Other Materials**

Strong oxidizers.

**Hazardous Decomposition Products**

Carbon monoxide, carbon dioxide

**Hazardous Polymerization**

Will not occur.

**Section 11 - Toxicological Information**

**RTECS:**

CAS# 8002-74-2: RV0350000

**LD50/LC50:**

CAS# 8002-74-2:

Draize test, rabbit, eye: 100 mg/24H Mild

Draize test, rabbit, skin: 500 mg/24H Mild.

**Carcinogenicity:**

CAS# 8002-74-2: Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.

**Epidemiology:**

No information found

**Teratogenicity:**

No information found

**Reproductive:**

No information found

**Mutagenicity:**

No information found

**Neurotoxicity:**

No information found

**Other:**

See actual entry in RTECS for complete information.

**Material Safety Data Sheet**  
**Fast Flex Paraffin**

**Section 12 - Ecological Information**

No information found

**Section 13 - Disposal Considerations**

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Part 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

**RCRA P Series Wastes**

None of the components are on this list.

**RCRA U Series Wastes**

None of the components are on this list.

**Section 14 - Transport Information**

**US DOT**

**Canadian TDG**

**Proper Shipping Name:** Not Regulated

Not Regulated

**Hazard Class:**

**UN Number:**

**Packing Group:**

**Section 15 - Regulatory Information**

**US Federal**

**TSCA**

CAS# 8002-74-2 is listed on the TSCA Inventory.

**Health and Safety Reporting List**

None of the components are on this list.

**Chemical Test Rules**

None of the components are on this list.

**TSCA Section 12b**

None of the components are on this list.

**TSCA Significant New Use Rule (SNUR)**

None of the components are on this list.

**CERCLA Hazardous Substances and corresponding RQs**

None of the components are on this list.

**SARA Section 302 Extremely Hazardous Substances**

None of the components are on this list.

**Material Safety Data Sheet**  
**Fast Flex Paraffin**

**SARA Hazard Categories**

Not available

**SARA Section 313**

None of the components are on this list.

**Clean Air Act - Hazardous Air Pollutants (HAPs)**

None of the components are on this list.

**Clean Air Act - Class 1 Ozone Depletors**

None of the components are on this list.

**Clean Air Act - Class 2 Ozone Depletors**

None of the components are on this list.

**Clean Water Act - Hazardous Substances**

None of the components are on this list.

**Clean Water Act - Priority Pollutants**

None of the components are on this list.

**Clean Water Act - Toxic Pollutants**

None of the components are on this list.

**OSHA - Highly Hazardous**

None of the components are on this list.

**OSHA - Specifically Regulated Chemicals**

None of the components are on this list.

**US State**

**State Right to Know**

Paraffin waxes and hydrocarbon waxes can be found on the following state Right-to-Know lists: California, Pennsylvania, Minnesota, Massachusetts.

**California Prop 65**

None of the components are on this list.

**California No Significant Risk Level**

None of the components are on this list.

**European/International Regulations**

**European Labelling in Accordance with EC Directives:**

Hazard Symbols: None listed

Risk Phrases: None listed

Safety Phrases: S 24/25 Avoid contact with skin and eyes.

**WGK (Water Danger/Protection)**

No information found

**United Kingdom Occupational Exposure Limits**

No information found

**United Kingdom Maximum Exposure Limits**

No information found

**Canadian DSL/NDSL**

CAS# 8002-74-2 is listed on Canada's DSL List.

**Material Safety Data Sheet**  
**Fast Flex Paraffin**

**Canadian WHMIS Classifications**

No information found

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

**Canadian Ingredient Disclosure List**

No information found

**Section 16 - Other Information**

Color information has been  
MSDS Creation Date: May 19, 2006  
Revision Date: May 19, 2006

**Revisions were made in Sections:**

2, 11, 14

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