

Paraffin wax
MSDS# 88655

Section 1 - Chemical Product and Company Identification

MSDS Name:

Paraffin wax

Catalog Numbers:

C/2700/99, P/0500/90, P/0560/90, P/0600/90, P/0650/90, P/0680/90,
P/0720/90

Synonyms:

Paraffin waxes and hydrocarbon waxes. It consists predominantly of straight chain hydrocarbons having carbon numbers predominantly greater than C20.

Company Identification: Fisher Scientific UK

Bishop Meadow Road, Loughborough

Leics. LE11 5RG

For information in Europe, call: (01509) 231166

Emergency Number, Europe:

01509 231166

Section 2 - Composition, Information on Ingredients

CAS#: 8002-74-2

Chemical Name: Paraffin waxes and hydrocarbon waxes

%: 100

EINECS#: 232-315-6

Hazard Symbols:

None listed

Risk Phrases:

None listed

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Not available

Potential Health Effects

Eye:

Vapors may cause eye irritation.

Skin:

Low hazard for usual industrial handling. Contact with heated material can cause skin burns and irritation.

Ingestion:

May cause irritation of the digestive tract.

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:

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.

Section 6 - Accidental Release Measures

General Information:

Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks:

Sweep up, then place into a suitable container for disposal.

Section 7 - Handling and Storage

Handling:

Wash thoroughly after handling. Wash thoroughly after handling.

Storage:

Keep away from heat and flame. Store in a cool, dry place.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls:

Good general ventilation should be sufficient to control airborne levels.

Exposure Limits

CAS# 8002-74-2:

United Kingdom, WEL - TWA: 2 mg/m³ TWA (fume)

United Kingdom, WEL - STEL: 6 mg/m³ STEL (fume)

Belgium - TWA: 2 mg/m³ VLE (fume)

France - VME: 2 mg/m³ VME (fume)

Malaysia: 2 mg/m³ TWA (fume)

Spain: 2 mg/m³ VLA-ED

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:

Not available

pH:

Not available

Vapor Pressure: Not available
Viscosity: Not available
Boiling Point: > 370 deg C (> 698.00°F)
Freezing/Melting Point: 45-65C
Autoignition Temperature: Not applicable
Flash Point: 200 deg C (392.00 deg F)
Explosion Limits: Lower:None Reported
Explosion Limits: Upper:None Reported
Decomposition Temperature: Not available
Solubility in water: Insoluble in water
Specific Gravity/Density: Not available.
Molecular Formula: Not applicable
Molecular Weight: 0

Section 10 - Stability and Reactivity

Chemical Stability:

Stable.

Conditions to Avoid:

Incompatible materials.

Incompatibilities with Other Materials

Not available

Hazardous Decomposition Products

Carbon monoxide, carbon dioxide.

Hazardous Polymerization

Will not occur.

Section 11 - Toxicological Information

RTECS#:

CAS# 8002-74-2: RV0350000

LD50/LC50:

RTECS: CAS# 8002-74-2: Draize test, rabbit, eye: 100
mg/24H Mild; Draize test, rabbit, skin: 500 mg/24H Mild;.

Carcinogenicity:

Paraffin waxes and hydrocarbon waxes -

Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.

Other:

See actual entry in RTECS for complete information.

Section 12 - Ecological Information

Not available

Section 13 - Disposal Considerations

Products considered hazardous for supply are classified as Special Waste and the disposal of such chemicals is covered by regulations which may vary according to location.

Contact a specialist disposal company or the local authority or advice. Empty containers must be decontaminated before returning for recycling.

Section 14 - Transport Information

IATA

Shipping Name: Not regulated as a hazardous material

Hazard Class:

UN Number:

Packing Group:

IMO

Shipping Name: Not regulated as a hazardous material

Hazard Class:

UN Number:

Packing Group:

RID/ADR

Shipping Name: Not regulated as a hazardous material

Hazard Class:
UN Number:
Packing Group:

Section 15 - Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols:Not available

Risk Phrases:

Safety Phrases:

WGK (Water Danger/Protection)

CAS# 8002-74-2: 0

Canada

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

US Federal

TSCA

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

Section 16 - Other Information

MSDS Creation Date:

12/12/1997

Revision #4 Date

3/16/2007

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