Material Safety Data Sheet

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

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.

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
The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantibility or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential, or exemplary damages howsoever arising, even if the company has been advised of the possibility of such damages.

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