

MATERIAL SAFETY DATA SHEET

PARAFFIN WAX

1. CHEMICAL IDENTITY

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|----------------------------|--------------------------|-------------------------|---------------------|--------|
| Chemical Name | Paraffin Wax | Chemical Classification | Hydrocarbon Mixture | |
| Synonyms | Wax | | Trade Name | Wax |
| Formula | Mixture of Hydrocarbons | C.A.S. NO. | | UN NO. |
| Regulated Identification | Shipping Name | Paraffin Wax | | |
| | Codes/Label | Not regulated | | |
| | Hazardous waste I.D. No. | 17 | | |
| | Hazchem Code | | | |
| HAZARDOUS INGREDIENTS | C.A.S. NO. | HAZARDOUS INGREDIENTS | C.A.S. NO. | |
| 1. Mixture of Hydrocarbons | | | | |

2. PHYSICAL AND CHEMICAL DATA

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|------------------------------|--------------|--------------------------------|---------------|----------------------|-----------------------------------|
| Boiling Point/Range °C | > 370 | Physical State | Solid | Appearance | White/Colourless |
| Melting/Freezing Point °C | 43 to 65 | Vapour pressure @ 35 °C, mm Hg | | Odour | Odourless |
| Vapour Density (Air = 1) | | Solubility in water @ 30 °C | Insoluble | Solubility in others | Soluble in alcohol and turpentine |
| Specific Gravity (Water = 1) | 0.9 at 20 °C | pH | Not pertinent | | |

3. FIRE AND EXPLOSION HAZARD DATA

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|---|-------------|---------------------|----|----------------------|-----|
| Flammability | Combustible | LEL (%V) | | Flash Point (OC) °C | 299 |
| TDG Flammability | 4 | UEL (%V) | | Flash Point, (CC) °C | 199 |
| Auto ignition Temperature °C | | 285 | | | |
| Explosion Sensitivity to Impact | | | | | |
| Explosion Sensitivity to Static Electricity | | | | | |
| Hazardous Combustion products | | CO, CO ₂ | | | |
| Hazardous Polymerization | | Does not occur | | | |
| Combustible Liquid | No | Explosive Material | No | Corrosive Material | No |
| Flammable Material | Combustible | Oxidiser | No | Others | |
| Pyrophoric Material | No | Organic Peroxide | No | | |

4. REACTIVITY DATA

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| Chemical Stability | Stable |
| Incompatibility with other material | Oxidising agent |
| Reactivity | No reaction with common materials |
| Hazardous Reaction Products | |

5. HEALTH HAZARD DATA

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|---|--|--------------|---------------------------|------------|--|
| Routes of Entry Effects of Exposure/ Symptoms | Petroleum waxes are inert; wax fumes are mild eye, nose and throat irritants. | | | | |
| Emergency Treatment | Wash with copious amounts of water in case molten wax falls in any part of the body. | | | | |
| LD ₅₀ (Oral-Rat), mg/kg | Not listed | | LD ₅₀ , mg/kg | Not listed | |
| Permissible Exposure Limit mg/kg ppm | Not listed | | Odor Threshold, ppm mg/kg | Not listed | |
| TLV (ACGIH) ppm mg/kg | Not listed | | STEL, ppm mg/kg | Not listed | |
| NFPA Hazard Signals | Health | Flammability | Reactivity/Stability | Special | |

6. PREVENTIVE MEASURES

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| Personal Protective Equipment | Use protective clothing and gloves. |
| Handling and Storage Precautions | Do not store in above ground storey level |

7. EMERGENCY AND FIRST AID MEASURES

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| FIRE | Fire Extinguishing Media | Foam, CO ₂ , Dry Chemical Powder, Water sprays |
| | Special Procedure | Readily combustible material which burns fiercely and may spread fire melting and flowing as it burns. |
| | Unusual Hazards | At elevated temperatures reacts with oxygen, chlorine, sulphur and other oxidising agents. |
| EXPOSURE | First Aid Measures | Wash with copious amounts of water in case molten wax falls in any part of the body |
| | Antidotes/ Dosage | |
| SPILLS | Steps to be taken | |
| | Waste Disposal Method | |

8. ADDITIONAL INFORMATION/ REFERENCES

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9. MANUFACTURER/ SUPPLIERS DATA

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| Name of firm : Mailing Address : |
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10. DISCLAIMER

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| Information contained in this material safety data sheet is believed to be reliable but no representation, guarantee or warranties of any kind are made as to its accuracy, suitability for a particular application or results to be obtained from them. |
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