

material safety data sheet

1 Product and company identification

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|---------------------------------------|--|
| Product name | Sasobit LM |
| Product code | 1656 |
| Manufacturer/Supplier | Sasol Wax (South Africa) a division of Sasol Chemical Industries Limited |
| Address | 1 Klasie Havenga Rd Sasolburg 1947 South Africa |
| Telephone number | +27 16 960 2088 or 016 960 2088 |
| Fax number | +27 16 960 2310 or 016 960 2310 |
| National emergency number | 0800 1128 90 |
| International emergency number | +27 17 610 4444 |
| Australia | Sasol Wax (Australia) Pty Ltd |
| Address | Suite 202, 4-10 Bridge St., Pymble, NSW 2073 |
| Telephone number | +612 9983 9177 |
| ACN | 092661544 |

2 Composition/information on ingredients

| | |
|----------------------------------|---|
| Generic name | Fischer-Tropsch Wax |
| CAS number | 8002-74-2 |
| EINECS number | 232-315-6 |
| Chemical characterisation | Substance, solid saturated hydrocarbons |
| Molecular formula | C _n H _{2n+2} |
| Hazardous ingredients | None |

3 Hazards identification

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|---------------------------|--|
| Solid | None |
| Liquid(molten wax) | Can cause severe burns due to heat |
| Powder/ Vapour | May be irritating to respiratory tract and eyes |
| Explosion risk | Coarse powder form: ST class=1. Severity of dust explosion is weak to moderate. |

4 First-aid measures

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|---------------------------|---|
| Solid | None |
| Liquid(molten wax) | Action as for burns. Cool affected parts with cold water. Do not remove solidified wax from skin. Seek medical attention. |
| Powder | Eyes – flush with plenty of water. |
| Vapours | Inhalation – take affected person to fresh air. |

5 Fire-fighting measures

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| Flammability of the product | Combustible at high temperature |
| Products of combustion | Carbon oxides (CO, CO ₂) |
| Fire fighting media and instructions | Dry chemical powder |
| Small fire | Water spray, fog or foam |
| Large fire | Do not use water jet. |
| Protective equipment (fire) | Approved/certified respirator or equivalent |
| Specific hazards | Incomplete combustion produces fumes, flue gases, carbon monoxide |
| Additional information | Apply cold water in order to cool containers exposed to danger. |

6 Accidental release measures

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| Small spill and leak | Allow liquid to solidify. Use appropriate tools to put the spilled solid in a convenient waste disposal container. |
| Large spill and leak | Liquid – remove persons to safety. Do not allow solid or liquid to enter drains, sewers, surface water or confined spaces. Remove solid material mechanically. |

7 Handling and storage

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| Handling | Avoid breathing dust. Pneumatic conveying of this product could lead to the production of fine material, which increases the risk of dust explosions. The pipes and ducts should be made from conductive material and properly earthed. |
| Storage | Keep container tightly closed. Keep container in a cool, well-ventilated area. |

8 Exposure controls/personal protection

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| Exposure limits (fumes) | NIOSH/ACGIH (United States, 2002) TWA: 2mg/m ³ |
| Engineering controls | Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limits. Molten wax should not be exposed to water, as it causes violent steam explosions on molten wax. |
| Personal Protective equipment | |
| Solid | Not required. |
| Liquids | Hands – heat resistant gloves Eyes – safety glasses, goggles or face shield Body – protective clothing |

Dust/vapour
Feet – safety boots
Respiratory - approved dust mask or vapour respirator should be worn in areas of high concentrations of dust/vapour.

9 Physical and chemical properties

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|-----------------------------------|--|
| Colour | Off-white to pale brown |
| Physical Form | Pastilles, coarse powder or flakes |
| Odour | Practically odourless |
| Flash point (open cup) | 285°C (DIN-ISO 2592, ASTM D92) |
| Congealing point | >90°C (DIN-ISO 2207, ASTM D 938) |
| Density at 25°C | 0.9 g/cm ³ |
| Average molecular mass | approx. 1000 g/mole |
| Solubility in water (20°C) | Insoluble |
| pH-value aqueous extract | Neutral |
| Physical state | Solid at 25°C, liquid above congealing point |
| Explosion properties | Hazard exists if in sub-micron form (dust) |
| Thermal Decomposition | approx. 250°C |

10 Stability and reactivity

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| Conditions to avoid | Prolonged storage 50°C above congealing point may interfere with quality. |
| Incompatibility with substances | Avoid contact with strong oxidising agents |
| Hazardous decomposition products | Carbon monoxide, carbon dioxide and soot in the case of incomplete combustion |

11 Toxicological information

Not tested, chemically similar material has acute oral toxicity LD₅₀ rat >2000 mg/kg/day

12 Ecological information

The product is a water-insoluble, solid long-chain hydrocarbon which, under environmental conditions, has no detrimental effect on plants, animals or micro-organisms.

13 Disposal considerations

Waste information
Waste must be disposed of in accordance with federal, state and local environment control regulations.

European waste catalogue (EWC) recommends disposal according to EWC 12 01 12 (spent waxes and fats).

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| Packaging | |
| Pallets | Empty pallets may be returned to supplier |
| Cartons | Recyclable |
| Paper bags | Recyclable |
| Big-bags | Returnable packaging- may be returned to supplier |

14 Transport information

THIS PRODUCT IS NOT CONTROLLED UNDER ANY OF THE FOLLOWING CLASSIFICATIONS
DOT (United States), TDG (Canada), IMDG, IATA

15 Regulatory information

HCS classification
Combustible
TSCA 8(b) inventory
Paraffin wax
This product is not classified according to the EU regulations.
Product listed in AICS, ENCS (MITI 8-430).

16 Other information

NFPA 0,1,0

Literature – Ullman's Encyclopaedia for Industrial Chemistry 5th edition volume A28 "waxes" Verlag Chemie GmbH 1996.

Kirk-Othmer encyclopaedia of Chemical Technology 4th Edition volume 25 "waxes" John Wiley & Sons 2004.

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