

**SASOLWAX C80M**

SECTION 1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Trade name SASOLWAX C80M
Synonyms Paraffin wax; FTHard Wax
Use Industrial use, Wax.
Company Sasol Chemicals (USA) LLC - Wax
(an affiliate of Sasol Chemicals North America LLC)
Address 12120 Wickchester Lane, Houston, TX 77079
Telephone CHEMTREC North America Transportation Emergency (24-hr) (800) 424 9300
CHEMTREC World Wide (703) 527-3887
Other Emergencies (24-hr) (337) 494 5142
SDS and Product Information (8:00am-4:30pm CST) (281) 588 3491
Health and Safety Information (7:30am-4:00pm CST) (281) 588 3492
E-mail address SasolElectronicSDS@us.sasol.com

SECTION 2 HAZARDS IDENTIFICATION

OSHA/GHS Hazards Combustible dust

LABEL ELEMENTS

Hazard symbols None

Signal word Warning

Hazard statements May form combustible dust concentrations in air (during processing)

Precautionary statements

Prevention P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P233 Keep container tightly closed.
Ensure all equipment is electrically grounded before beginning transfer operations.
Apply measures to prevent dust explosions.

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

<u>Components</u>	<u>CAS-No.</u>	<u>Weight percent</u>
Paraffin waxes and Hydrocarbon waxes	8002-74-2	100

See Section 8 for Exposure Guidelines and Section 15 for Regulatory Classifications.

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SECTION 4 FIRST AID MEASURES

- Eye contact** Immediately flush eye(s) with plenty of water. If eye irritation persists, consult a specialist.
- Skin contact** Cool melted product on skin with plenty of water. Do not remove solidified product. In case of burns by molten product medical treatment is necessary.
- Inhalation** Remove person to fresh air. If signs/symptoms continue, get medical attention.
- Ingestion** If symptoms persist, call a physician. Never give anything by mouth to an unconscious person.

SECTION 5 FIREFIGHTING MEASURES

FLAMMABLE PROPERTIES

- Fire/explosion** Burning produces irritant fumes. Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard. For waxes in coarse powder form, ST Class = 1. Severity of dust explosion is moderate. Dust may form explosive mixture in air.
- Suitable extinguishing media** Water fog. Foam. Dry powder. Carbon dioxide (CO₂). Sand.
- Protective equipment and precautions for firefighters** Wear self-contained breathing apparatus and protective suit.
- Further information** Evacuate personnel to safe areas. Prevent further leakage or spillage if safe to do so. Keep containers and surroundings cool with water spray. Do not use a solid water stream as it may scatter and spread fire.

SECTION 6 ACCIDENTAL RELEASE MEASURES

- Methods and materials for containment and cleaning up** Evacuate the area and eliminate all sources of ignition. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Fine dust dispersed in air may ignite. Pick up and arrange disposal without creating dust. Non-sparking tools should be used. Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Prevent product from entering drains.
- Spill precautions** Material can create slippery conditions.

**SASOLWAX C80M****SECTION 7 HANDLING AND STORAGE**

- Safe handling advice** Provide sufficient air exchange and/or exhaust in work rooms. Minimize dust generation and accumulation. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Dust can form an explosive mixture in air. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres. Keep away from heat and sources of ignition. Molten product should not be exposed to water, as it causes violent steam explosions.
- Further information on storage conditions** Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from light, moisture and damage.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION**ENGINEERING MEASURES**

Air contaminant levels should be controlled below the PEL or TLV for this product (see Exposure Guidelines). It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief vents or an explosion suppression system or an oxygen deficient environment. Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment). Use only appropriately classified electrical equipment and powered industrial trucks.

PERSONAL PROTECTIVE EQUIPMENT

- Eyes** Wear as appropriate:
Goggles. Face-shield.
- Skin** Wear suitable protective clothing, gloves and eye/face protection.
Wear as appropriate: Heat resistant gloves Impervious gloves.
- Inhalation** When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Use NIOSH approved respiratory protection.

EXPOSURE GUIDELINES

<u>Components</u>	<u>Exposure limit(s)</u>
Paraffin waxes and Hydrocarbon waxes	ACGIH TLV (8-hour) 2 mg/m3 (Fume)

PEL= Permissible Exposure Limits
TLV= Threshold Limit Value
EL= Excursion Limit

TWA= Time Weighted Average (8 hr.)
STEL= Short Term Exposure Limit (15 min.)
WEEL= Workplace Environmental Exposure Level

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance solid

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Colour	white to pale brown
Form	Cylinders (powder encapsulated in wax)
Odour	odourless
Odour Threshold	No data available
Flash point	> 250 °C, > 482 °F;
Flammability	Upper explosion limit: No data available Lower explosion limit: No data available
Boiling point/boiling range	> 370 °C, > 698 °F;
Melting point/range	> 75 °C, > 167 °F;
Auto-ignition temperature	No data available
Decomposition temperature	approximately 250 °C, 482 °F
Flammability (solid, gas)	No data available
Vapour pressure	No data available
Vapour density	Not applicable
Density	0.9 g/cm ³ @ 25 °C, 77 °F;
Relative density	No data available
Water solubility	insoluble
Viscosity	No data available
Viscosity, dynamic	6 - 12 mPa.s @ 135 °C, 275 °F;
pH	Not applicable
Evaporation rate	Not applicable
Partition coefficient: n-octanol/water	No data available

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SECTION 10 STABILITY AND REACTIVITY

Reactivity	Stable at normal ambient temperature and pressure.
Chemical stability	No decomposition if stored and applied as directed.
Conditions to avoid	Keep away from heat and sources of ignition.
Hazardous decomposition products	Carbon oxides
Materials to avoid	Oxidizing agents. Reducing agents.
Hazardous polymerisation	None.

SECTION 11 TOXICOLOGICAL INFORMATION

Additional Remarks	Information given is based on data obtained from similar substances or components of this material.
Acute dermal toxicity	LD50 Rabbit: > 3,600 mg/kg
Acute inhalation toxicity	No data available
Acute oral toxicity	LD50 Rat: > 5,000 mg/kg
Skin corrosion/irritation	(Rabbit) Not irritating
Serious eye damage/eye irritation	(Rabbit) Not irritating
Respiratory or skin sensitisation	Guinea pig: not sensitizing; Maximisation Test
Germ cell mutagenicity	Genotoxicity in vitro: Type: Chromosome aberration test in vitro Result: not mutagenic Type: Mammalian cell gene mutation assay Result: negative Genotoxicity in vivo: No data available Assessment Mutagenicity: Based on available data, the classification criteria are not met.

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Reproductive toxicity	Reproductive toxicity: Rat; OECD Test Guideline 421 NOAEL (F1): $\geq 1,000$ mg/kg
	Assessment reproductive toxicity: Based on available data, the classification criteria are not met.
	Teratogenicity: Rat; OECD Test Guideline 414 NOAEL (teratogen): $\geq 1,000$ mg/kg NOAEL (maternal): $\geq 2,000$ mg/kg
	Assessment teratogenicity: Based on available data, the classification criteria are not met.
STOT - single exposure	No data available
STOT - repeated exposure	Mouse; OECD Test Guideline 453 NOAEL: ≥ 150 mg/kg Based on available data, the classification criteria are not met.
Aspiration toxicity	No data available
Carcinogenicity	Assessment carcinogenicity: Contains no ingredient listed as a carcinogen

SECTION 12 ECOLOGICAL INFORMATION

Aquatic toxicity	Information given is based on data obtained from similar substances or components of this material.
Toxicity to fish	LL50 (Pimephales promelas (fathead minnow)) 96 hours: > 100 mg/l
Toxicity to aquatic invertebrates	LL50 (Daphnia magna (Water flea)) 48 hours: $> 10,000$ mg/l
Toxicity to algae	NOEL (Pseudokirchneriella subcapitata (green algae)) 72 hours: ≥ 100 mg/l; Growth inhibition
Chronic toxicity to fish	NOEL (Oncorhynchus mykiss (rainbow trout)) 28 d: > 100 mg/l (predicted value)
Chronic toxicity to aquatic invertebrates	NOEL (Daphnia magna (Water flea)) 21 d: 10 mg/l

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Biodegradation It is difficult to determine the biodegradation of complex hydrocarbons due the varying carbon chain lengths. As carbon chain length increases, the time required for complete biodegradation increases. For this product, all components will undergo partial or inherent degradation in the environment.

Bioaccumulative potential No data available

Mobility in soil No data available

Other adverse effects No data available

SECTION 13 DISPOSAL CONSIDERATIONS

Waste Code Any unused product or empty containers may be disposed of as non-hazardous in accordance with state and federal requirements. Re-evaluation of the product may be required by the user at the time of disposal, since the product uses, transformations, mixtures, contamination, and spillage may change the classification. If the resulting material is determined to be hazardous, please dispose in accordance with state and federal (40 CFR 262) hazardous waste regulations.

Disposal methods Dispose of only in accordance with local, state, and federal regulations. Do not contaminate any lakes, streams, ponds, groundwater or soil.

Empty containers. Empty containers and original plastic liners may contain product residue. Handling of empty containers and liners should be in a manner to minimize dust generation. Safe handling procedures as outlined in the SDS should be followed at all times. Consult the appropriate official for information regarding disposal requirements. Safe handling procedures as outlined in the SDS should be followed at all times. Consult the appropriate official for information regarding disposal requirements.

SECTION 14 TRANSPORT INFORMATION

DOT not regulated

IATA not regulated

IMDG not regulated

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Remarks No data available

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SECTION 15 REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS**TSCA Inventory Listing****Components**

Paraffin waxes and Hydrocarbon waxes

CAS-No.

8002-74-2

All chemical substances in this product are either on the TSCA Active Inventory, or in compliance with the inventory.

SARA 302 Status**Components****CAS-No.****Weight percent**

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 311/312 Classification

Should this product meet EPCRA 311/312 Tier reporting criteria of 40 CFR 370, refer to Section 2 of this SDS for appropriate classification and Section 3 for components that meet the hazardous classification.

SARA 313 Chemical**Components****CAS-No.****Weight percent**

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

US. EPA CERCLA Hazardous Substances (40 CFR 302)**Components****Reportable Quantity****Weight percent**

none

INTERNATIONAL REGULATIONS**WHMIS Classification**

Combustible dust

European Union

The product does not need to be labelled in accordance with EC directives or respective national laws.

Australia. Inventory of Chemical Substances (AICS)	Listed
Japan. Inventory of Existing and New Chemical Substances (ENCS)	Listed
Japan. ISHL - Inventory of Chemical Substances	Listed
Canada. Domestic Substances List (DSL) Inventory	Listed
Canada. Non-Domestic Substance Listing (NDSL)	Not listed
Philippines. Inventory of Chemicals / Chemical Substances (PICCS)	Listed
Korea. Existing Chemicals Inventory (KECI)	Listed

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China. Inventory of Existing Chemical Substances (IECSC)	Listed
Mexico. National Inventory of Chemical Substances (INSQ)	Listed
New Zealand. Inventory of Chemical Substances (NZIoC)	Listed
Switzerland. Inventory of Notified New Substances (CHINV)	Listed
Taiwan. National Existing Chemical Inventory (NECI)	Listed

Please note: The names and CAS numbers which are used for this product in the stated inventories may deviate from the information which is listed in Section 3.

STATE REGULATIONS

California Prop. 65
Components
none

CAS-No.

SECTION 16 OTHER INFORMATION

HAZARD RATINGS

	<u>Health</u>	<u>Flammability</u>	<u>Physical Hazard/ Instability</u>
HMIS®	1	2	0
NFPA	1	2	0

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