



material safety data sheet

1 Product and company identification

Product name	Sasolwax 2528
Synonym	microwax
Product code	1151
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 4594 or 016 960 4594
Fax number	+27 16 960 2310 or 016 960 2310
National emergency number	0800 1128 90
International emergency number	+27 17 610 4444

2 Hazards identification

This substance is not classified according to UN GHS guidelines

GHS labelling requirements: none

Other hazards:

Solid	None
Liquid(molten wax)	Can cause severe burns due to heat
Powder/ Vapour	May be irritating to respiratory tract and eyes

2 Composition/information on ingredients

Generic name	Microcrystalline wax
CAS number	64742-60-5
EINECS number	265-163-4
Chemical characterisation	Substance, solid saturated predominantly branched hydrocarbons

4 First-aid measures

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

Flammability of the product	Combustible at high temperature
Products of combustion	Carbon oxides (CO, CO ₂)
Fire fighting media and instructions	
Small fire	Dry chemical powder
Large fire	Water spray, fog or foam
	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

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

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

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

9 Physical and chemical properties

Appearance	white to off-white slabs
Odour	practically odourless
Odour threshold	not available
pH	not applicable
Congealing point	>50°C (DIN-ISO 2207, ASTM D 938)
Initial boiling point	not available
Flash point (open cup)	>150°C (DIN-ISO 2592, ASTM D92)
Evaporation rate	not applicable
Flammability	not classified
Lower flammability limit	not available
Vapour pressure	not applicable
Vapour density	not applicable
Density at 25°C	0.9 g/cm ³
Solubility in water (20°C)	insoluble
Partition coefficient (o/w)	not available
Auto-ignition temperature	not available
Decomposition temperature	approx. 250°C
Viscosity	not applicable
Explosion properties	Hazard exists if in sub-micron form (dust)

10 Stability and reactivity

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

Acute toxicity, oral	Rat LD ₅₀ >5000 mg/kg/day
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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.
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European waste catalogue (EWC) recommends disposal according to EWC 12 01 12 (spent waxes and fats).

Packaging	
Pallets	Empty pallets may be returned to supplier
Cartons	Recyclable
Paper bags	Recyclable

14 Transport information

UN number: not classified

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.

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.

Although the information contained herein is presented in good faith and to the best of Sasol Wax's knowledge and experience, it is made without any warranty or guarantee whatsoever.

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Formatted to GHS-recommended standard