

1 Product and company identification

Product name	Stearin Wax
Product code	Stearin Wax
Manufacturer/Supplier	Sasol Wax North America Corp
Address	21325-B Cabot Boulevard, Hayward, CA 94545
Telephone number	Office: (510) 783-9295, plant: (510) 232-8704
Fax number	Office: (510) 670-8659, plant: (510) 232-0955
National emergency no.	CHEMTREC: (800) 424-9300 Continental U.S.

2 Composition/information on ingredients

Generic name	Palmitic/stearic acid mixture
Chemical family	C14-C20 fatty acids
CAS number	57-11-4
Molecular formula	N/A

3 Hazards identification

Physical state/appear.	Solid
Hazardous components	None
Emergency overview	WARNING! COMBUSTIBLE LIQUID Non toxic and non hazardous. Molten wax may result in heat burns.
Potential acute health effects	
Eyes	Solid-None. Molten-May cause severe burns. Dust or fumes may cause tearing.
Skin	Solid-Dermatitis may occur with prolonged exposure. Molten-May cause heat burns, not readily absorbed through the skin.
Inhalation	Inhalation of stearin wax vapors or powder particles may cause respiratory tract irritation.
Ingestion	Molten - the high temperature may cause burns on contact with mouth/esophagus/stomach.
NFPA Hazard ID	Health: 1 Flammability: 1 Reactivity: 0

4 First-aid measures

Eye Contact	Check for and remove any contact lenses. Immediately flush eyes with plenty of water. Seek medical attention.
Skin Contact	Molten-Immerse affected area in cold water to assist cooling. Seek medical attention. Do not remove solidified wax from skin.
Note to physician	Support respiratory and cardiovascular function.

5 Fire-fighting measures

Flammability of 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	Use appropriate tools to put the spilled solid in a convenient waste disposal container.
Large spill and leak	Use a shovel to put the material in a convenient waste disposal container.
Spill in Navigable Waters	Report spills of any amount in navigable waters or adjoining shorelines to: National Response Center, (800) 424-8802.

7 Handling and storage

Handling	Avoid breathing dust.
Storage	Store solids in a cool, dry, well-ventilated area. Contact with any heat source may cause melting. Liquid wax may also be stored in bulk storage tanks .

8 Exposure controls/personal protection

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.
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Personal Protective equipment

Eyes	Safety glasses or goggles Face shields should be worn to protect eyes against hot wax splashes.
Body	Full suit
Respiratory	Approved dust respirator, or vapor respirator in area of high concentrations of dust/vapor
Hands	Heat resistant gloves if working with molten wax
Feet	Safety boots
In case of large spill	Splash goggles, full suit, boots, and gloves

9 Physical and chemical properties

Color	Off-white to white solid (molten wax is clear).
Odor	Characteristic.
Flash point (closed cup)	≥300°C
Melting point	≥130°F
Density at 60°F	0.840 g/ml
Average molecular mass	nd
Solubility in water (20°C)	negligible
Physical state	Solid at ambient temperature
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	Avoid contact with strong oxidizing agents.
Hazardous decomp. prod.	Flue gas, carbon monoxide, aldehydes in the case of incomplete combustion

11 Toxicological information

Oral LD50 rat - > 2000 mg/kg/day

12 Ecological information

The product is water-insoluble, and under normal environmental conditions, has no detrimental effect on plants, animals or micro-organisms. Keep away from waterways, sewers, drains, basements and confined spaces.

13 Disposal considerations

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

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	Not found
Canadian DSL/NDSL	Not found
SARA List	Not found

16 Other information

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.