



SASOBIT® REDUX

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

Trade name	SASOBIT® REDUX		
Synonyms	Paraffin wax mixture		
Use	Industrial use		
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

Not a hazardous substance or mixture according to OSHA HCS 2012.

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

<u>Components</u>	<u>CAS-No.</u>	<u>Weight percent</u>
Proprietary Wax component	Confidential	40- 70
Proprietary Wax component	Confidential	20- 50

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

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.

SASOBIT® REDUX

SECTION 5 FIREFIGHTING MEASURES

FLAMMABLE PROPERTIES

Fire/explosion Burning produces irritant fumes. NFPA Class IIIB combustible liquid.

Suitable extinguishing media Water fog, Foam, Dry powder, Carbon dioxide (CO₂), Sand, Do not use a solid water stream as it may scatter and spread fire.

Protective equipment and precautions for firefighters Wear self-contained breathing apparatus and protective suit.

Further information Prevent further leakage or spillage if safe to do so. Evacuate personnel to safe areas.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Methods and materials for containment and cleaning up Evacuate the area and eliminate all sources of ignition. Spilled material will solidify. Shovel into suitable container for disposal. Pick up and arrange disposal without creating dust. Prevent product from entering drains.

Spill precautions Material can create slippery conditions.

SECTION 7 HANDLING AND STORAGE

Safe handling advice Provide sufficient air exchange and/or exhaust in work rooms. Dust can form an explosive mixture in air. Ensure all equipment is electrically grounded before beginning transfer operations. Keep away from heat and sources of ignition. Molten product should not be exposed to water, as it causes violent steam explosions.

Load/Unload temperature Ambient

Further information on storage conditions Keep containers tightly closed in a dry, cool and well-ventilated place.

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).

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

SASOBIT® REDUX

Inhalation When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Use NIOSH approved respiratory protection.

EXPOSURE GUIDELINES

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;

Colour white

Form pastilles

Odour odourless

Odour Threshold no data available

Flash point estimated > 240 °C, > 464 °F;

Flammability Upper explosion limit: no data available
Lower explosion limit: no data available

Boiling point/boiling range 340 - 620 °C, 644 - 1,148 °F;

Melting point/range Congealing point: 75 - 80 °C, 167 - 176 °F;

Auto-ignition temperature no data available

Decomposition temperature no data available

Flammability (solid, gas) no data available

Vapour pressure no data available

Vapour density Not applicable

Density 0.791 g/cm³ @ 70 °C, 158 °F;

Specific gravity no data available

SASOBIT® REDUX

Water solubility	insoluble
Viscosity	5 - 7 mm ² /s @ 120 °C, 248 °F;
Viscosity, dynamic	3.9 - 5.5 mPa.s @ 120 °C, 248 °F;
pH	Not applicable
Evaporation rate	Not applicable
Partition coefficient: n-octanol/water	no data available

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 LD50 Rabbit: > 5,000 mg/kg
Acute inhalation toxicity	no data available
Acute oral toxicity	LD50 Rat: > 5,000 mg/kg LD50 Rat: > 5,000 mg/kg
Skin corrosion/irritation	(Rabbit) Not irritating

SASOBIT® REDUX

Eye damage/irritation	(Rabbit) Not irritating
Respiratory or skin sensitization	Guinea pig: not sensitizing; Maximisation Test
Germ cell mutagenicity	<p>Genotoxicity in vitro: Type: Chromosome aberration test in vitro Result: not mutagenic</p> <p>Type: Mammalian cell gene mutation assay Result: negative</p> <p>Type: Ames test Result: not mutagenic</p> <p>Genotoxicity in vivo: no data available</p> <p>Assessment Mutagenicity: Based on available data, the classification criteria are not met.</p>
Reproductive toxicity	<p>Reproductive toxicity: Rat; OECD Test Guideline 421 NOAEL (F1): $\geq 1,000$ mg/kg</p> <p>Assessment Reproductive toxicity: Based on available data, the classification criteria are not met.</p> <p>Teratogenicity: Rat; OECD Test Guideline 414 NOAEL (teratogen): $\geq 1,000$ mg/kg NOAEL (maternal): $\geq 2,000$ mg/kg</p> <p>Assessment teratogenicity: Based on available data, the classification criteria are not met.</p>
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

SASOBIT® REDUX

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: > 10,000 mg/l
Toxicity to algae	NOEL (Pseudokirchneriella subcapitata (green algae)) 72 hours: \geq 100 mg/l; Growth inhibition
Chronic toxicity to fish	NOEL (Pimephales promelas (fathead minnow)): > 100 mg/l
Chronic toxicity to aquatic invertebrates	NOEL (Gammarus pulex) 4 d: > 10,000 mg/l; OECD Test Guideline 202
Biodegradation	Inherently biodegradable.
Bioaccumulation	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

SASOBIT® REDUX

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

SECTION 15 REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

OSHA Hazards (HCS 1994)

Non-hazardous substance

TSCA Inventory Listing

Components

Proprietary Wax component

Proprietary Wax component

CAS-No.

Confidential

Confidential

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

Non-hazardous substance

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

none

Reportable Quantity

Weight percent

INTERNATIONAL REGULATIONS

WHMIS Classification

WHMIS hazardous composition: No ingredients are hazardous according to the CPR criteria.

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)

Not listed

SASOBIT® REDUX

Japan. Industrial Safety & Health Law (ISHL) Inventory	Not listed
Canada. Domestic Substances List (DSL) Inventory	Listed
Canadian Non-Domestic Substance Listing (NDSL)	Not listed
European Inventory of Existing Commercial Chemical Substances (EINECS) Listing	Listed
Philippines. Inventory of Chemicals / Chemical Substances (PICCS)	Listed
Korea. Existing Chemicals Inventory (KECI)	Listed
China. Inventory of Existing Chemical Substances (IECSC)	Listed
Mexico. National Inventory of Chemical Substances (INSQ)	Not listed
New Zealand. Inventory of Chemicals (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®	0	1	0
NFPA	0	1	0

THE DATA AND INFORMATION CONTAINED HEREIN ARE BEING FURNISHED FOR INFORMATIONAL PURPOSES ONLY, UPON THE EXPRESS CONDITION THAT EACH CUSTOMER SHALL MAKE ITS OWN ASSESSMENT OF APPROPRIATE USE AND APPROPRIATE SHIPPING, TRANSFER AND STORAGE MATERIALS AND PROCEDURES FOR SASOL CHEMICALS (USA) LLC'S PRODUCTS. ALTHOUGH BASED ON INFORMATION SOURCES WHICH SASOL CHEMICALS (USA) LLC CONSIDERS ACCURATE AND RELIABLE, SASOL CHEMICALS (USA) LLC MAKES NO WARRANTY, EITHER EXPRESS OR IMPLIED, INCLUDING ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, REGARDING THE VALIDITY OF THIS INFORMATION, THE INFORMATION SOURCES UPON WHICH THE SAME ARE BASED, OR THE RESULTS TO BE OBTAINED, AND EXPRESSLY



SASOBIT® REDUX

DISCLAIMS LIABILITIES FOR DAMAGES OR INJURIES RESULTING FROM THE USE THEREOF.
