

SECTION 1: Identification

1.1 Identification

Product form	:	Substance
Substance name	:	NATUROWAX®
CAS No	:	2496446-24-1
REACH No	:	Product qualify for REACH Annexure V, Entry No 9 & hence exempt from the obligation to register in accordance with Article 2(7)(b))
Synonyms	:	Sugarcane wax

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture	:	Printing Inks, Paints & Coatings, Lubricants & Emulsions for high gloss, Investment casting Leather, Cosmetics and Personal care products etc.
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1.3 Details of the supplier of the safety data sheet

Godavari Biorefineries Ltd.
45/47, Somaiya bhavan,
Mahatma Gandhi Road,
Fort, Mumbai -400001, INDIA.
T 0091 22 61702100/22048272
Email: mokashi@somaiya.com
www.somaiya.com

1.4 Emergency telephone Number

Emergency number	:	91-08350) 260046 /47 /48 0091 22 61702100/22048272 (Monday – Friday - 09.30 hrs to 18.00hrs)
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SECTION 2: Hazard(s) identification

GHS classification

2.1 Classification of the substance or mixture

This substance is not hazardous in accordance with paragraph (d) of §1910.1200 (GHS-US classification).	:	---
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2.2 GHS labeling

Hazard pictograms	:	Not classified
Signal word	:	Not classified
Hazard statements	:	Not classified
Precautionary statements	:	Not applicable

2.3 Other hazards

Other hazards not contributing to the classification	:	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
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2.4 Unknown acute toxicity (GHS US)

Not applicable.

SECTION 3: Composition/Information on ingredients

3.1 Substance

Substance type : Mono-constituent

Name	Product identifier CAS No REACH NO	Concentration %	GHS classification

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Sugarcane Wax (Main constituent)	2496446-24-1 Exempted	≥99	Not classified
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Full text of hazard classes and H-statements: see section 16

3.2 Mixture

None

SECTION 4: First aid measures

4.1 Description of first aid measures

General information	:	Consult a physician. Show this safety data sheet to the doctor in attendance.
Inhalation	:	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Keep warm at rest.
Skin contact	:	Wash immediately with lots of water (15 minutes)/shower. Do not apply (chemical) neutralizing agents. Remove clothing while washing.
Eye contact	:	Rinse immediately with plenty of water for 15 minutes. Do not apply neutralizing agents.
Ingestion	:	Rinse mouth with water. Immediately after ingestion: give lots of water to drink. Do not induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation	:	None reported
Symptoms/injuries after skin contact	:	None reported
Symptoms/injuries after eye contact	:	None reported
Symptoms/injuries after ingestion	:	None reported
Chronic symptoms	:	None reported

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media	:	Sand, foam, Fire extinguishing powder, carbon dioxide (CO ₂). Use fire extinguishing methods suitable to surrounding conditions.
Unsuitable extinguishing media	:	Do not use a solid water stream as it may scatter and spread fire.

5.2 Special hazards arising from the substance or mixture

Explosion hazard	:	Forms explosive mixtures with air on intense heating.
Reactivity	:	Under conditions giving incomplete combustion, hazardous gases produced may consist of: carbon monoxide (CO), carbon dioxide (CO ₂)

5.3 Advice for firefighters

Firefighting instructions	:	Fire fighter protection should include a self-contained breathing apparatus (NIOSH-approved or EN 133) and full fire fighting turn out gear.
Protection during firefighting	:	Use personal protective equipment

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

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6.1.1 For non-emergency personnel

- Protective equipment : Full firefighting turnout gear. Self-contained breathing equipment.
- Emergency procedures : Keep upwind. Mark the danger area. Consider evacuation. Seal off low-lying areas. Close doors and windows of adjacent premises. Stop nearby engines and no smoking. No naked flames or sparks. Use Spark- and explosion-proof appliances and lighting equipment. Keep containers closed. Wash contaminated clothes.

6.1.2 For Emergency responders

- Protective equipment : Use personal protective equipment
- Emergency procedures : Evacuate personnel to safe areas , shut off all ignition sources

6.2 Environmental precautions

Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for containment and cleaning up

- For containment : Contain released substance, transfer (pump) into suitable containers. Use compatible material of containers. Do not use compressed air for pumping over spills.
- Methods for cleaning up : Use explosion-proof equipment. Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal.

6.4 Reference to other sections

No additional information available.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

- Precautions for safe handling : Avoid contact with eyes and skin.
Handle in accordance with good industrial hygiene and safety practice. Ensure thorough ventilation of stores and work areas.
- Hygiene measures : Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2 Conditions for safe storage, including any incompatibilities

- Incompatible products : No further relevant information available.
- Storage temperature : Store in cool, dry conditions in well sealed receptacles
- Heat-ignition : KEEP SUBSTANCE AWAY FROM: heat sources. ignition sources.
- Prohibitions on mixed storage : KEEP SUBSTANCE AWAY FROM: combustible materials. oxidizing agents.
- Storage area : Store in a dry area. Ventilation at floor level. Keep out of direct sunlight. Fireproof storeroom. Keep locked up. Meet the legal requirements.

7.3 Specific end uses

No data available.

SECTION 8: Exposure controls/personal protection


8.1 Control parameters

8.1.1 Occupational exposure limits:

Exposure limits not established in US.

8.2 Exposure controls

Appropriate engineering controls : Appropriate engineering controls. Handle in accordance with good industrial hygiene and safety Practice. Wash hands before breaks and at the end of workday.

Personal protective equipment : 
 Hand Gloves.

Materials for protective clothing : The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Eye protection : Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin and body protection : Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.

Respiratory protection : Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	:	Solid
Appearance	:	Slab, Pallets, Powder
Colour	:	Light yellow to brown
Odour	:	Characteristic Odour
pH	:	No data available
Melting point	:	70-80 °C
Freezing point	:	No Data Available
Initial boiling point/boiling range	:	No Data Available
Flash Point	:	298 °C (open cup)
Relative density	:	0.824 g/cm ³ at 25 °C
Specific gravity/ density	:	No Data Available
Flammability(Solid, Gas)	:	Product is not flammable
Upper/lower flammability or Explosive limit	:	No Data Available
Solubility	:	Insoluble
Vapor pressure	:	No Data Available
Vapour density	:	No Data Available
Evaporation Rate	:	No Data Available

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Partition coefficient n-octanol/water	:	No Data Available
Auto-ignition temperature	:	No Data Available
Decomposition temperature	:	No Data Available
Organic Solvent	:	Soluble in hydrocarbons
Viscosity	:	No Data Available
Oxidizing properties	:	No Data Available

9.2 Other information

No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity	:	No further relevant information available
10.2 Chemical Stability	:	Stable under recommended storage conditions
10.3 Possibility of hazardous reactions	:	No dangerous reactions known.
10.4 Conditions to avoid	:	Heat, flames and sparks. Extremes of temperature
10.5 Incompatible materials	:	No further relevant information available.
10.6 Hazardous decomposition products	:	Hazardous decomposition products formed under fire conditions. - Nature of decomposition products not known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Likely routes of exposure	:	Not classified
Acute toxicity	:	Based on available data, the classification criteria are not met.

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LD/LC50 values that are relevant for classification

Quantitative data on toxicological effect of this product are not available

Skin irritation	:	Not classified
Serious eye damage/irritation	:	Not classified
Respiratory or skin sensitization	:	Not classified
Germ cell mutagenicity	:	Not classified
Carcinogenicity	:	Not classified (Based on available data, the classification criteria are not met)
Reproductive toxicity	:	Not classified
Specific target organ toxicity (single exposure)	:	Not classified
Specific target organ toxicity (repeated exposure)	:	Not classified
Aspiration hazard	:	Not classified

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Hazardous properties cannot be excluded but are unlikely when the product is handled appropriately. Handle in accordance with good industrial hygiene and safety practice.

SECTION 12: Ecological information

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12.1 Toxicity

Ecology – general : Not classified

Ecology – air : Not classified

Ecology – water : Not classified

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	Toxicity to Fish	Toxicity to aquatic invertebrates		Toxicity to Microorganisms	Reproductive Toxicity
Species	Oryziaslatipes	Desmodesmus subspicatus	Daphnia magna (Water flea)	Activated sludge (bacteriae)	Daphnia magna (Water flea)
Value	No data available	No data available	No data available	No data available	No data available
Exposure time	-	-	-	-	-
Test method: OECD	-	-	-	-	-

12.2 Persistence and degradability

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Persistence and degradability : No further relevant information available.

12.3 Bioaccumulative potential

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Log Pow	:	No further relevant information available.
Bioaccumulative potential	:	No further relevant information available.

12.4 Mobility in soil

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Surface tension	:	No further relevant information available.
Ecology – soil	:	No further relevant information available.

12.5 Results of PBT and vPvB assessment

No data available.

12.6 Other adverse effects

No data available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste disposal recommendations : Remove and dispose waste in accordance with local and/or national regulations. Recommended practice of physico-chemical/biological treatment and authorized waste incinerator for solvents with energy recovery. Do not discharge into drains or the environment.

SECTION 14 : TRANSPORT INFORMATION

Marine transport (IMDG)

UN/ID No. : Not regulated

Proper shipping name : -

Hazard Class : -

Subsidiary Risk : -

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Packing group : -
 Marine pollutant : -
 Hazard Labels : -
 EMS Code : -

Air transport ICAO/IATA

UN number : Not regulated
 Proper shipping name : -
 Hazard Class : -
 Subsidiary Risk : -
 Packing group : -
 Hazard Labels : -

Department of Transportation (DOT)

UN number : Not applicable.
 Proper shipping name and description : -
 Class : -
 Packaging group : -
 Reportable Quantity (RQ) : -
 Poison Inhalation Hazard : -
 Hazard labels : -

SECTION 15: Regulatory information

15.1 National regulations

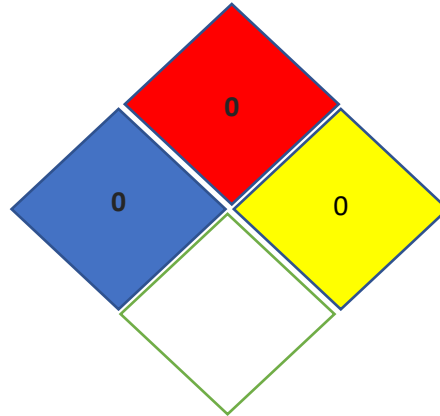
Country	National Inventories	Listing
CANADA	DSL	Not listed
CHINA	IECSC	Not listed
JAPAN	ENCS	Not listed
PHILIPPINES	PICCS	Not listed
SOUTH KOREA	KECI	Not listed
USA	TSCA	Not listed

SECTION 16: Other information

16.1 Hazard Statement

: Not classified

16.2 NFPA Rating



16.3 Abbreviations and acronyms

PBT =Persistent Bioaccumulative and Toxic

vPvB= Very Persistent and Very Bioaccumulative

SCBA= Self Contained Breathing Apparatus

NIOSH REL= National Institute for Occupational Safety and Health Recommended Exposure Limit

OSHA PEL=Occupational Safety and Health Administration Permissible Exposure Limit

OELTWA= Occupational Exposure Limit Time Weighted Averages

IDLH= Immediately Dangerous to Life or Health

UEL= Upper Explosive Limit

LEL= Lower Explosive Limit

RTECS= Registry of Toxic Effects of Chemical Substances

NTP=National Toxicology Programm

IARC= International Agency for Research on Cancer

EPA=Environmental Protection Agency

TSCA= Toxic Substances Control Act

NFPA= National Fire Protection Association

CSR=Chemical Safety Report

BCF = Bio Concentration Factor

DNEL = Derived No Effect Level

PNEC = Predicted No Effect Concentration

TLV = Threshold Limit Value

ACGIH = American Conference of Governmental Industrial Hygienist

REACH = Registration, Evaluation .Authorisation and Restriction of Chemicals

CLP = Classification, Labelling and Packaging

LD / LC = Lethal Doses / Lethal Concentration

GHS = Globally Harmonised System

ADR = Accord europeen relative au transport international de marchandises

IMDG-Code = International Maritime Code for Dangerous Goods

EmS = Emergency measures on Sea

ICAO = International Civil Aviation Organization

IATA/DGR= International Air Transport Association/Dangerous Goods Regulation

16.4 Further information:

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