

**SAFETY DATA SHEET**

Date of preparation: 10.10.2008

Update: 01.01.2015

**PARAFINE WAX**

Version: 3.0 CLP

Page 1 from 8

**SECTION 1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING****1.1. Product Identifier**

Product Name: **PARAFINE WAX**  
Synonyms: Paraffin waxes (petroleum), hydrotreated  
CAS No.: 64742-51-4  
WE No: 265-154-5  
Index No: -  
Registration No.: 01-2119480133-46-0014

**1.2. Relevant uses of the substance/mixture and uses advised against**

Manufacture of substances, use of substance as intermediate, distribution of substance, formulation and (re)packing of substance and mixtures, uses in coatings, use as release agents and binders, use in agrochemicals, use in road and construction applications, rubber production and processing, use in polymer processing, use as a fuel, lubricants, use in Laboratories, explosive manufacture and use, use as functional fluids, other consumer fluids.

**1.3. Details of the supplier of the SAFETY DATA SHEET**

Distributor: **Ecoflores - [www.ecoflores.eu](http://www.ecoflores.eu)**  
Address: ul.Waksmundzka34, 34-400 Nowy Targ  
Tel/Fax: +48 604-508-229  
E-Mail: kontakt@ecoflores.eu

**1.4. Emergency telephone number:**

National Fire Brigade: 998 or 112 (mobile phone)  
Ambulance: 999 or 112 (mobile phone)

**SECTION 2. HAZARDS IDENTIFICATION****2.1. CLASSIFICATION OF SUBSTANCE OR MIXTURE**

Classification	according to Regulation (EC) No 1272/2008:	according to EU Directive 67/548/EEC / 1999/45 EC:
Hazards		
due to the physicochemical properties:	-	-
for human:	-	-
for environment:	-	-

**2.2. Label elements**

No Label elements according to Regulation (EC) No 1272/2008.  
Pictogram: -  
Signal word: -  
Hazard statements: -  
Precautionary statements: -

**2.3. Other hazards**

Material does not meet the criteria for PBT or vPvB in accordance with REACH Annex XIII.

**SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS**

	<b>SAFETY DATA SHEET</b>		Date of preparation: 10.10.2008	
			Update: 01.01.2015	
	<b>PARAFINE WAX</b>		Version: 3.0 CLP	
			Page 2 from 8	

### 3.1. Substance

Substance name	EINECS No.	CAS No.	Index No.	Registration No.	Concentration %	Classification according to Regulation (EC) No 1272/2008	Classification according to EU Directive 67/548/EEC / 1999/45 EC
Paraffin waxes (petroleum), hydrotreated	265-154-5	64742-51-4	-	01-2119480133-46-0014	≥99,95	Not classified – applied notes H and N	Not classified – applied notes H and N

### 3.2. Mixture

Not applicable.

## SECTION 4. FIRST AID MEASURES

### 4.1. Description of first aid measures

#### Inhalation:

Remove from further exposure. Get medical assistance if needed. For those providing assistance, avoid exposure to yourself or others.

#### Skin contact:

Wash contact areas with soap and water. If burned by contact with hot material, molten material adhering to skin should be cooled as quickly as possible with water, and see a physician for removal of adhering material and treatment of burn.

#### Eye contact:

Flush thoroughly with water for at least 15 minutes. Get medical assistance if needed.

#### Ingestion:

First aid is normally not required. Seek medical attention if discomfort occurs.

### 4.2. Most important symptoms and effects, both acute and delayed

During inhalation of large quantities of vapor-heated product may have symptoms of irritation of the upper respiratory tract.

### 4.3. Indication of any immediate medical attention and special treatment needed

The injured person needs fresh air and tranquility.

## SECTION 5. FIRE FIGHTING MEASURES

### 5.1. Extinguishing media

**Suitable extinguishing media:** Use water fog, foam, dry chemical or carbon dioxide (CO<sub>2</sub>) to extinguish flames.

**Unsuitable extinguishing media:** Straight streams of water.

### 5.2. Special hazards arising from the substance or mixture

Hazardous Combustion Products: Smoke, Fume, Aldehydes, Sulphur oxides, Incomplete combustion products, Wax fumes, Oxides of carbon

### 5.3. Advice for fire fighters

Fire Fighting Instructions: Evacuate area. Prevent run-off from fire control or dilution from entering streams, sewers or drinking water supply. Fire-fighters should use standard protective equipment and in enclosed spaces, self-contained breathing apparatus (SCBA). Use water spray to cool fire exposed surfaces and to protect personnel.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precaution, protective equipment and emergency procedures

#### NOTIFICATION PROCEDURES

In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.

	<b>SAFETY DATA SHEET</b>	Date of preparation: 10.10.2008
		Update: 01.01.2015
	<b>PARAFINE WAX</b>	Version: 3.0 CLP
		Page 3 from 8

#### PROTECTIVE MEASURES

Avoid contact with skin and eyes. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Wash hands thoroughly after handling. Do not use open fire and do not smoke cigarettes.

#### 6.2. Environmental precautions

Large Spills: Dyke far ahead of liquid spill for later recovery and disposal. Prevent entry into waterways, sewers, basements or confined areas.

#### 6.3. Methods and material for containment and cleaning up

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

#### 6.4. References to other sections

See section: 8 and 13 in this MSDS.

### SECTION 7. HANDLING AND STORAGE

#### 7.1. Precautions for safe handling

All fire-safety measures must be followed while handling the product. Strictly no smoking or naked flames. In addition, it is necessary to avoid any inhalation of vapours or aerosol, contamination of skin and/or eyes. If handling of heavy containers is necessary, use suitable handling equipment and avoid of any possibility of slipping. Do not eat, drink and smoke at work. Store the product away from foodstuffs, drinks and fodder.

#### 7.2. Conditions for safe storage, including any incompatibilities

The container choice, for example storage vessel, may effect static accumulation and dissipation. Do not store in open or unlabelled containers.

Storage Temperature if liquid: <80°C

Storage Temperature if state: <40°C

#### 7.3. Specific end uses

Manufacture of substances, use of substance as intermediate, distribution of substance, formulation and (re)packing of substance and mixtures, uses in coatings, use as release agents and binders, use in agrochemicals, use in road and construction applications, rubber production and processing, use in polymer processing, use as a fuel, lubricants, use in Laboratories, explosive manufacture and use, use as functional fluids, other consumer fluids.

### SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### 8.1. Control Parameters

Polish Regulation:

*Rozporządzenie Ministra Pracy i Polityki Społecznej z dnia 23 czerwca 2014 roku w sprawie najwyższych dopuszczalnych stężeń i natężeń czynników szkodliwych dla zdrowia w środowisku pracy (Dz.U. 2014, poz. 817)*

Name of substance	Occupational Limits (mg/m <sup>3</sup> )	Exposure	Moment	Occupational Exposure Limits (mg/m <sup>3</sup> )
Paraffin waxes (petroleum), hydrotreated	Not specified			Not specified

#### 8.2. Exposure controls

8.2.1 Exposure control in the workplace.

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Discard contaminated clothing and footwear that cannot be cleaned. Practice good housekeeping.

#### Respiratory protection

	<b>SAFETY DATA SHEET</b>	<b>Date of preparation: 10.10.2008</b>
		<b>Update: 01.01.2015</b>
	<b>PARAFINE WAX</b>	<b>Version: 3.0 CLP</b>
		<b>Page 4 from 8</b>

Avoid contact with vapours. In normal handling temperatures risk of inhalation is very small. Use mechanical ventilation at workplaces.

**Hand protection** Protective gloves oil-resistant, temperature resistant. Selection of the class of resistance to penetration depends on the time of exposure to the agent and should be selected in accordance with EN 374.

**Eye protection** If contact with material may occur, safety glasses and face shield are recommended.

**Skin protection** Protective clothing, oil-resistant

#### 8.2.2 Environmental controls

Comply with applicable environmental regulations limiting discharge to air, water and soil. Protect the environment by applying appropriate control measures to prevent or limit emissions.

The substance is not classified according to EU Directive 1999/45/EWG and with Regulation (WE) nr 1272/2008 (CLP).

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

a) Appearance	: Below congealing point – solid, above congealing point - liquid, colour: from white to transparent white
b) Odour	: Typical for hydrocarbons
c) Odour threshold	: Data not available
d) pH	: ~ 7 (water solution)
e) Congealing Point	: min. 54 - 58°C
f) Boiling Point	: min. 300°C
g) Flash Point	: min. 180°C
h) Evaporation rate	: Not tested
i) Flammability	: Not classified as flammable
j) Upper/Lower Flammable Limits	: Not tested
k) Vapour Pressure	: negligible under normal conditions of use in 20°C, 0-20 Pa in 80°C
l) Vapour Density	: Not tested
m) Relative Density	: about 755 kg/m <sup>3</sup> in 100°C
n) Solubility	: in water - negligible
o) Partition coefficient (n-Octanol/Water Partition Coefficient)	: Not tested
p) Autoignition Temperature	: min. 250°C
q) Decomposition Temperature	: Not tested
r) Viscosity	: min. 2,5-4,5 mm <sup>2</sup> /s in 100°C
s) Explosive Properties	: Not applicable – not classified as explosive
t) Oxidizing Properties	: Not applicable – not classified as oxidized

### 9.2. Other information

None.

## SECTION 10. STABILITY AND REACTIVITY

### 10.1. Reactivity

Substance is not reactive.

### 10.2. Chemical stability

Material is stable under normal conditions.

### 10.3. Possibility of hazardous reactions:

Not applicable

### 10.4. Conditions to avoid:

Excessive heat and fire.

### 10.5. Incompatible materials:

	<b>SAFETY DATA SHEET</b>	Date of preparation: 10.10.2008
		Update: 01.01.2015
	<b>PARAFINE WAX</b>	Version: 3.0 CLP
		Page 5 from 8

Strong oxidisers.

**10.6. Hazardous decomposition products:**

Material does not decompose at ambient temperatures.

**SECTION 11 TOXICOLOGICAL INFORMATION**

**11.1 Information on toxicological effects**

**Acute toxicity:** not applicable

oral toxicity (rat) LD50 > 5 000 mg/kg

dermal toxicity (rabbit) LD50 > 2 000 mg/kg

**Serious Eye Damage/Irritation:** not applicable

**Germ Cell Mutagenicity:** not applicable

**Carcinogenicity:** not applicable

**Reproductive Toxicity:** not applicable

NOAEL: 1000 mg/kg (rat)

**Specific Target Organ Toxicity – Single Exposure:** not applicable

**Specific Target Organ Toxicity – Repeated Exposure:** not applicable

**Skin Corrosion/Irritation:** not applicable

**Aspiration:** not applicable

The mixture is not classified according to EU Directive 1999/45/EWG and with Regulation (WE) nr 1272/2008 (CLP).

**SECTION 12. ECOLOGICAL INFORMATION**

The information given is based on data available for the material, the components of the material, and similar materials.

**12.1. Toxicity:**

**Aquatic environment:**

Fish toxicity: LC50 > 100mg/1/96h

Daphnia toxicity: EL50 > 10000mg/1/24h

Algae toxicity: NOEL >- 100mg/L/72h

**12.2. Persistence and degradability**

Limited degree of biodegradability.

**12.3. Bioaccumulative potential**

Not applicable.

**12.4. Mobility in soil**

Not applicable.

**12.5. Persistence, bioaccumulation and toxicity for substance**

This product is not, or does not contain, a substance that is a PBT or a vPvB.

**12.6. Other adverse effects**

None.

**SECTION 13. DISPOSAL CONSIDERATIONS**

**13.1. Waste treatment methods**

**Waste Code: 05 01 99**

Empty Container Warning Empty Container Warning (where applicable): Empty containers may contain residue and can be dangerous. Do not attempt to refill or clean containers without proper instructions. Empty drums should be completely drained and safely stored until appropriately reconditioned or disposed. Empty containers should be taken for recycling, recovery, or disposal through suitably qualified or licensed contractor and in accordance with governmental regulations. DO NOT PRESSURISE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION. THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.

	<b>SAFETY DATA SHEET</b>	<b>Date of preparation: 10.10.2008</b>
		<b>Update: 01.01.2015</b>
	<b>PARAFINE WAX</b>	<b>Version: 3.0 CLP</b>
		<b>Page 6 from 8</b>

Polish Regulations:

*Ustawa z dnia 14 grudnia 2012 r. o odpadach (Dz.U. nr 2013r. poz. 21).*

*Ustawa z dnia 13 czerwca 2013r. o gospodarce opakowaniami i odpadami opakowaniowymi (Dz.U. nr 2013 poz.888)*

*Rozporządzenie Ministra Środowiska z dnia 27 września 2001r w sprawie katalogu odpadów (Dz.U. nr 112.poz. 1206 z póź. zmianami).*

**SECTION 14. TRANSPORT INFORMATION**

<b>14.1. UN No.:</b>	Not applicable
<b>14.2. UN name</b>	Not applicable
<b>14.4. Package group</b>	Not applicable
<b>14.5. Environmental hazards</b>	Not applicable
<b>14.6. Special precautions for user:</b>	During loading, transportation and unloading of the mixture in a liquid consider the possibility of burns hot product. For this purpose, use protective gloves resistant to temperature, goggles, protective clothing. Places burned immediately be cooled with water or ice. Ask for medical assistance.
<b>14.7. Transport in bulk according to Annex II MARPOL 73/78 and the IBC Code:</b>	Not applicable

**SECTION 15. REGULATORY INFORMATION**

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

1. Regulation of the European Parliament and Council Regulation (EU) No 649/2012 of 4 July 2012 concerning the export and import of dangerous chemicals.
2. Regulation of the European Parliament and COUNCIL REGULATION (EC) No 1272/2008 of 16 December 2008 about classification, labeling and packaging of substances and mixtures, as amended.
3. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006. - REACH, as amended.
4. The Act of 25 February 2011 about chemical substances and their mixtures, as amended.
5. Regulation of the Minister of Health of 10 August 2012 about the criteria and classification of chemical substances and mixtures thereof, as amended.
6. Regulation of the Minister of Health of 23 December 2013 amending the ordinance on criteria and classification of chemical substances and mixtures thereof, as amended.
7. Regulation of the Minister of Health of 20 April 2012 about the method of labeling of chemical substances and mixtures, and certain mixtures, as amended.
8. Regulation of the Minister of Health of 23 January 2014 amending Regulation of the Minister of Health on how to labeling of chemical substances and mixtures, and certain mixtures, as amended.
9. Regulation of the Minister of Health of 24 July 2012 about chemical substances and their mixtures, factors or technological processes with carcinogenic or mutagenic in the work environment, as amended.
10. Regulation of the Minister of Health of 11 June 2012 about the categories of hazardous substances and mixtures which packages are provided with a closure against opening by children and tactile warning of danger, as amended.
11. Regulation of the Minister of Labour and Social Policy, 06 June 2014 about maximum permissible concentration and intensity of harmful factors in the work environment, as amended.
12. Regulation of the Minister of Health on 22 May 2012 about the methods of marking of places, pipelines, containers and tanks for storing or containing dangerous substances or mixtures dangerous, as amended.
13. Regulation of the Minister of Health of 4 April 2014 about sampling and testing of chemical substances

	<b>SAFETY DATA SHEET</b>	<b>Date of preparation: 10.10.2008</b>
		<b>Update: 01.01.2015</b>
	<b>PARAFINE WAX</b>	<b>Version: 3.0 CLP</b>
		<b>Page 7 from 8</b>

and their mixtures, and products under the supervision exercised by the State Sanitary Inspection.

14. Commission Regulation (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

15. Commission Regulation (EC) No 790/2009 of 10 August 2009 adapting to technical and scientific progress Regulation of the European Parliament and Council Regulation (EC) No 1272/2008 of 16 December 2008 on classification, labeling and packaging of substances and mixtures.

16. Regulation of the Minister of Health on 2 February 2011 about the tests and measurements of harmful factors in the work environment.

17. Regulation of the Minister of Economy of 21 December 2005 about the basic requirements for personal protective equipment.

18. The Act of 14 December 2012 about the wastes.

19. The Act of 13 June 2013 about packaging and packaging waste.

20. Regulation of the Minister of Environment of 27 September 2001 about the waste.

### 15.2. Chemical safety assesment

REACH Information: A Chemical Safety Assessment has been carried out for the substance(s) which are included in the mixture. For substances in the mixture and for substances not classified as hazardous, chemical safety assessment is not required, and for these substances exposure scenarios are not required too.

## SECTION 16. OTHER INFORMATION

### List of abbreviations and acronyms that could be (but not necessarily are) used in this safety data sheet:

#### Acronym Full text

N/A	Not applicable
N/D	Not determined
NE	Not established
AICS	Australian Inventory of Chemical Substances
AIHA WEEL	American Industrial Hygiene Association Workplace Environmental Exposure Limits
ASTM	ASTM International, originally known as the American Society for Testing and Materials (ASTM)
DSL	Domestic Substance List (Canada)
EINECS	European Inventory of Existing Commercial Substances
ELINCS	European List of Notified Chemical Substances
ENCS	Existing and new Chemical Substances (Japanese inventory)
IECSC	Inventory of Existing Chemical Substances in China
KECI	Korean Existing Chemicals Inventory
NDSL	Non-Domestic Substances List (Canada)
NZIoC	New Zealand Inventory of Chemicals
PICCS	Philippine Inventory of Chemicals and Chemical Substances
TLV	Threshold Limit Value (American Conference of Governmental Industrial Hygienists)
TSCA	Toxic Substances Control Act (U.S. inventory)
UVCB	Substances of Unknown or Variable composition, Complex reaction products or Biological materials
LC	Lethal Concentration
LD	Lethal Dose
LL	Lethal Loading
EC	Effective Concentration
EL	Effective Loading
NOEC	No Observable Effect Concentration
NOELR	No Observable Effect Loading Rate

	<b>SAFETY DATA SHEET</b>	<b>Date of preparation: 10.10.2008</b>
		<b>Update: 01.01.2015</b>
	<b>PARAFINE WAX</b>	<b>Version: 3.0 CLP</b>
		<b>Page 8 from 8</b>

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