



## EEC-Safety data sheet page 1/2 Proline Gold Wax for Hand dipping

### 1. Identification of the substance and company

#### Manufacturer/supplier:

Waxhands Europe

Bosberg 14, 7271LG Borsculo Netherlands  
Tel.: +31-651-152028 sales@Waxhands.eu

### 2. Composition/information on ingredients

#### Chemical characterisation:

Solid saturated hydrocarbons,  
molecular formula  $C_{n}H_{2n+2}$   
polydimethylsiloxane

<sup>2n</sup>-**INCI-name:** paraffin

**CAS number:** 8002-74-2

**EINECS number:** 232-315-6

**Hazardous ingredients:** None

### 3. Hazards identification

**EEC-labelling:** None

#### Potential dangers to health and environment:

**Solid:** None

**Liquid:** May cause burns as a result of the temperatures

**Powder/vapour:** May be irritating to the respiratory system

### 4. First-aid measures

**Solid:** None

**Liquid:** Same action to be taken as in the case of burns

#### Inhalation:

**Powder/vapour:** Take affected person to fresh air

#### Eye contact:

**Liquid:** Seek medical attention immediately

#### Skin contact:

**Liquid:** After contact with molten product remove soaked clothing immediately and cool the skin quickly with cold water. Consult a doctor if necessary. Do not pull solidified product from skin.

#### When swallowed:

**Liquid:** Same action to be taken as in the case of burns.

### 5. Fire-fighting measures

#### Suitable extinguishing media:

Carbon dioxide, foam, dry powder, sand

#### Extinguishing media that must not be used for safety reasons:

Water

#### Special exposure hazards arising from the substance, its combustion products or from resulting gases:

In the case of fire, combustion gases are formed: Carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>), smoke

#### ), Special protective equipment for fire fighting:

Use self-contained breathing apparatus

#### Additional information:

Cool endangered containers externally with water

Fire class according to DIN-EN 2: B

### 6. Accidental release measures

#### Personal precautions:

**Liquid:** Remove persons to safety

### Environmental precautions:

**Solid/liquid:** Do not allow to enter drains, surface water or groundwater

#### Methods for cleaning up:

**Liquid/solid:** Allow to solidify / remove mechanically

#### Additional information:

**Liquid:** In case of the leakage of a large amount inform the responsible authorities

### 7. Handling and storage

#### Handling

#### Hints on safe handling:

No special measures necessary if used correctly.

#### Hints for protection against fire and explosion:

Product mist/dust can form an explosive mixture when in contact with air

#### Storage

#### Requirements for storage rooms and containers:

**Solid:** Store under cool, dry and light protected conditions

**Liquid:** Store in heatable tanks/containers.

Prolonged storage 20°C above the congealing point may interfere with product quality

#### Additional instructions for technical installations:

**Liquid:** Install containers in such a way, that filling containers is carried out without aerosol formation; earth containers well, prevent ignition sources.

#### Additional information:

**Liquid:** Product is not allowed to contain water at temperatures above 100°C (delay in boiling).

**VCI storage class:** 11

### 8. Exposure controls / personal protection

#### Ingredients with occupational exposure limits which should be monitored:

##### 1. Germany/Switzerland/Austria:

There is no MAK-value for paraffin wax

##### 2. Germany:

For aerosols and fine dust MAK-value of 6 mg/m<sup>3</sup> has to be adhered to.

##### 3. USA

TLV-value for paraffin vapours: 2 mg/m<sup>3</sup>

#### Personal protective equipment:

##### Hand protection:

**Liquid:** Heat resistant gloves

##### Eye protection:

**Liquid:** Safety goggles

##### Body protection:

**Liquid:** Protective clothing

#### Additional information:

When exceeding Maximum Work Place Concentration



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(MAK-value) for fine dust use appropriate breathing apparatus

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### 9. Physical and chemical properties

**Physical state:** At room temperature solid

**Colour:** White/whitish

**Odour:** Practically odourless

**pH-value:** Aqueous extract: Neutral

**Congeeing range (DIN-ISO 2207):** > 40°C

**Flash point (DIN-ISO 2592):** > 150°C

**Lower explosion limit:**

Paraffin dust/powder: > 15 g/m<sup>3</sup>

**Upper explosion limit:**

Paraffin dust/powder: > 1000 g/m<sup>3</sup>

**Vapour pressure at 20°C:** < 0,01 hPa

**Density at 20°C (DIN 51 757):** About 900 kg/m<sup>3</sup>

**Solubility at 20°C**

- in water: Practically insoluble

- in chlorinated hydrocarbons: Soluble

- in benzine: Limited solubility

**Viscosity at 100°C (DIN 51 562):** 2,5 - 10 mm<sup>2</sup>/s

### 10. Stability / reactivity

**Conditions to avoid:**

Under normal conditions no hazardous reactions likely

**Material to avoid:** Strong oxidising agents

**Decomposition products:**

In case of incomplete combustion and/or thermal decomposition carbon monoxide, carbon dioxide and smoke may be formed.

### 11. Toxicological information

**Acute oral toxicity:** Rat LD<sub>50</sub> 50, > 5000 mg/kg

**Acute dermal toxicity:** Rabbit LD<sub>50</sub> 50, > 2000 mg/kg

**Irritant effect on rabbits' skin:** Non-irritant

**Irritant effect on rabbits' eye:** Non-irritant

**Sensitization:** Non-sensitizing

**Carcinogenicity:** No indications of carcinogenic effects are apparent from long-term trials.

### 12. Ecological information

Paraffin is insoluble in water. It can be removed mechanically in a purification plant.

**Mobility:** In solid state the product cannot be dispersed into the environment. In liquid state, when discharged into the environment, the product spreads out over the surface and solidifies.

**Information on elimination (persistence and degradability):** The product is inherently biodegradable according to OECD 301 B.

**Fish toxicity:** Non-toxic (DIN 38 412-L 31)

### 13. Disposal considerations

**Product:** After re-conditioning the product may be used again or thermally employed

**GERMANY:**

Can be disposed off after consultation with the responsible authorities according to the following waste disposal codes (European Waste Catalogue):  
EWC-Code Description

05 01 06 Sludge from plant, equipment and maintenance operations

07 01 99 Wastes not otherwise specified

12 01 12 Spent waxes and fats

**Packaging:**

**Pallets:** Can be returned to supplier via the haulier/forwarding agent

**Cartons:** Cartons with the "Resy" symbol may be returned to the associated used paper collecting point

**Paper bags:** Paper bags containing the "Repa-Sack"-symbol and "Chemical Classification 4" may be returned to the associated used paper collecting point

**Big-Bags:** Re-usable packaging can be returned to supplier

**Drums:** Drums can be returned to supplier

### 14. Transport information

(ADR/RID; BinSchV/ADNR/ADN; IMDG/GGVSee; ICAO-TI und IATA-DGR):

Products like this one are not hazardous goods at temperatures < 100°C.

In case of transport of liquids with temperatures of >100°C hazardous goods class 9, III

**UN:** 3257 applies

**IMDG-Code:** 9027-1

**Powder/pastilles transport:** At temperatures above 25 °C cold transport is recommended

### 15. Regulatory information

The product does not require a hazard warning label in accordance with the EEC directives

**National regulations**

**Germany:**

**Classification according to VbF:** Not applicable

**TA Luft:**

Threshold limit value TA Luft: 150 mg/m<sup>3</sup>

Mass flow: 3 kg/h or more

Substance class III, amendment E

**Water hazard class (WGK):** Not water endangering substance according to Annex I VwVwS.

(KBwS classification, identification no. 268)

**StörfallIVO:** Not applicable for paraffin wax

Observe principles of the trade association

### 16. Other information

**Literature:**

Ullmann's Encyclopedia of Industrial Chemistry, 5<sup>th</sup> Edition,

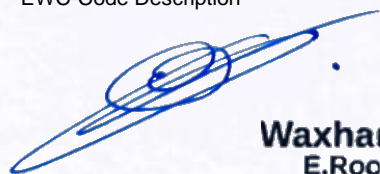
Vol. A 28, Chapter „Waxes“, Verlag Chemie GmbH, 1996.

Shubik et al., Toxicol. Appl. Pharmacol., 4, Suppl. 1-62, 1962

This safety data sheet describes a product group. It contains only safety related information. For specific data see product data sheet.

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In case any questions should arise please call the number given in point 1.



**Waxhands Europe**  
E.Roosenboom  
Bosberg 14  
7271 LG Borculo