



## 1. IDENTIFICATION

**Material:** Wax pellets white translucent supplied in gold foil pouch

**Supplier:** Hagen Automation Ltd

**Address:**

Hagen Automation, Greybern House, Templars Way, Sharnbrook, MK441PY United Kingdom

**Emergency Tel:** 0044 7739 854 883

**Website:** hagenautomation.com

## 2. COMPOSITION

Monocrystalline Paraffin Wax

CAS number: 63231-60-7

## 3. HAZARDS IDENTIFICATION

This product is not considered to be hazardous in the application in which it is intended and does not contain any hazardous components according to CLP Regulation 1272/2008/EC.

## 4. FIRST AID MEASURES

**Eye:** Flush victim's eyes with water for 15 minutes, while holding the eyelids apart. Remove contact lenses if present and easy to do so. Continue rinsing. Get medical attention if irritation persists.

**Skin:** None normally required. For excessive unintentional exposures, wash skin with soap and water.

**Inhalation:** Remove to fresh air. Get medical attention if irritation or symptoms occur.

**Ingestion:** If small quantities are swallowed, rinse out mouth with water. Do not induce vomiting unless directed to by a doctor or physician. Get medical attention for large ingestions.

In contact with or splashed by hot liquid:

**Skin Contact:** Cool the skin immediately with cool water. Treat burns according to their severity. Obtain medical attention. Never try to remove the material with solvents.

**Contact with eyes:** Cool the area immediately with cold water. Seek advice of an ophthalmologist.

**Specific Treatment:** First Aider, decontamination, treatment of symptoms.

**Notes to doctor:** Treat symptomatically

## 5. FIRE FIGHTING MEASURES

**5.1 Extinguishing media:** Foam, dry chemical, carbon dioxide, water mist.

**5.2 Special hazards arising from the substance or mixture:** Slight flammability hazard when exposed to heat or flames. During a fire, toxic gases (carbon monoxide, nitrous gases) may be generated by thermal decomposition or combustion.

**5.3 Advice for firefighters:** Only suitably trained personnel should attempt to tackle fires. Do not stay in the danger zone without respiratory protective equipment and PPE

## 6. ACCIDENTAL RELEASE MEASURES

### 6.1 Personal Precautions: Protective Equipment and Emergency Procedures:

Remove all sources of ignition. Wear appropriate personal protective equipment as specified in Section 8. Keep unnecessary personnel away. Spilt product maybe slippery!

**6.2 Environmental Precautions:** Do not flush into surface water or sanitary sewer system. Notify local authorities if product enters sewers or public waters.

**6.3 Methods and Material for Containment and Cleaning up:** Stop spill at source if safe to do so. Contain spill and remove into a suitable container or absorb with an inert absorbent and place in a suitable container.

**6.4 Reference to Other Sections:** Refer to Section 8 for Personal Protective Equipment and Section 13 for Disposal Information

## 7. HANDLING AND STORAGE

**7.1 Precautions for Safe Handling:** Keep away from heat, sparks and open flame. Use with adequate ventilation. Avoid contact with eyes, skin and clothing. Wash exposed skin thoroughly with soap and water after use. Wear appropriate personal protective equipment as specified in Section 8. Observe good industrial hygiene practices.

**7.2 Conditions for Safe Storage:** Including Any Incompatibilities: Store in a cool, dry, well-ventilated area. Keep container tightly closed. Store away from oxidizing agents and other incompatible materials. Keep away from open flames, sparks, and excessive heat. Store in containers made of stainless steel, HDPE, PET, or glass.

**7.3 Specific End Use(s):** Various uses including as a lubricant wax

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**8.1 Control Parameters:** TWA TLV (ACGIH): 2 mg/m<sup>3</sup> (paraffin wax fumes). 5 mg/m<sup>3</sup> (dust). However in all circumstances exposure should be kept as low as reasonably possible by good ventilation and safe working practices.

**DNEL Values:** - No Data Available

**PNEC Values:** - No Data Available

### 8.2 Exposure Controls:

**Appropriate engineering measures:** Facilities storing or utilising this material should be equipped with an eyewash facility.

**Respiratory protection:** Inhalation of the vapour, fumes or mists should be avoided by safe working practices and good ventilation.

**Eye protection:** Wear appropriate eye goggles.

**Skin protection:** No special precautions are needed beyond clean working conditions and safe handling practices. Change heavily contaminated clothing.

**Hand protection:** Use impervious gloves [conforming to EN374] PVC is suitable for casual contact. If direct contact for more than 2 hours then use Neoprene or nitrile gloves.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Liquid at elevated temperatures

**Odour:** Waxy

**Odour threshold:** Not determined

**pH:** Neutral

**Melting point/ Congealing point:** ~64 °C

**Boiling point/ range:** Initial boiling point >300 °C

**Flash Point:** > 230 °C, (ASTM D93, COC)

**Evaporation Point:** Not determined

**Flammability (solid, gas):** May be combustible at high temperature

**Explosion Limits:** Not determined

**Vapour pressure:** Negligible  
**Vapour density:** Not determined  
**Relative density (at 15°C):** 0.83 – 0.86  
**Solubility in water:** <1 mg/l  
**Solubility in other solvents:** Petroleum Ether, Ethyl Acetate  
**Partition coefficient n-octanol/water:** Not determined  
**Auto-ignition temperature:** >230 °C.  
**Decomposition temperature:** Not determined  
**Viscosity (Kinematic, at 100°C):** 15cst  
**Explosive properties:** Not determined  
**Oxidizing properties:** Not determined

## 10. STABILITY AND REACTIVITY

**10.1 Reactivity:** This product is not reactive under normal storage and handling conditions.

**10.2 Chemical stability:** Under normal storage and handling conditions, this product is stable.

May react with strong oxidising agents, especially at high temperatures.

**10.3 Possibility of hazardous reactions:** No specific hazardous reactions are expected.

**10.4 Conditions to avoid:** Extremes of temperature (preferably, store between 5 & 39 °C). The product is combustible when heated >300°C.

**10.5 Incompatible materials:** May react with strong oxidants (e.g. chlorates, peroxides).

**10.6 Hazardous decomposition products:** Thermal decomposition or incomplete combustion may produce carbon monoxide, nitrous gases and irritating fumes.

## 11. TOXICOLOGICAL INFORMATION

**11.1 Information on toxicological effects:** Paraffin waxes and Hydrocarbon waxes, microcrystalline.

CAS No 63231-60-7

### Acute Toxicity

Acute Toxicity (oral) LD50 >5000mg/kg

Acute Toxicity (dermal) LD50 >2000mg/kg bw

Acute Toxicity (inhalation) No data available

**Skin Corrosive / Irritation:** Material is unlikely to cause irritation

**Serious Eye Damage Irritation:** Fines can cause mechanical irritation

**Respiratory Sensitisation:** Fines can cause mechanical irritation

**Skin Sensitisation:** Non sensitising

**Repeated Dose Toxicity:** No effect

**Mutagenicity:** Negative

**Carcinogenicity:** No effect

**Reproductive Toxicity:** No data available

## 12. ECOLOGICAL INFORMATION

**12.1 Toxicity:** Paraffin waxes and Hydrocarbon waxes, microcrystalline. CAS No 63231-60-7

**Environmental Fate:** Not established

**Aquatic toxicity (fish):** LL50 >1000 mg/l 96hr - Oncorhynchus mykiss

**Aquatic toxicity (algae):** lbL50>1000 mg/l - Desmodesmus subspicatus

**Aquatic toxicity (invertebrate):** EL50 >10000 mg/l 24hr - Daphnia sp

**Mobility:** Data not available

**Biodegradation:** Readily biodegradable – OECD 301

**Bioaccumulation potential:** There is no indication that this material is a risk to the environment.

**Other Ecological information:** No other adverse effects are observed. Do not allow uncontrolled leakage of product into the environment.

**Results of PBT and vPvB assessment:** This substance does not fulfil the criteria for being classed as a PBT or vPvB substance.

### 13. DISPOSAL INFORMATION

**General:** Dispose of in a safe manner in accordance with local/national regulations

**Disposal method:** In accordance with local/national regulations may be taken to waste disposal site.

**Disposal of used packaging:** Use a licensed waste disposal contractor.

(EU Directives 2000/76/EC and 1999/31/EC apply). European Waste Catalogue No. 050199/130899

### 14. TRANSPORT INFORMATION

**Transport:** Not classified as hazardous for transport.

**14.1 UN number:** Not Classified.

**14.2 UN Proper shipping name:** Not Classified

**14.3 Transport Hazard Class(es):** Not Classified

**14.4 Packing Group:** Not Classified

**14.5 Environmental Hazards:** None

**14.6 Special Precautions for user:** None

**14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC code:** Not Classified

### 15. REGULATORY INFORMATION

**EC Classification:** The material is not dangerous for transport or supply.

**Risk Phrases:** None

**Safety Phrases:** None

### 16. OTHER INFORMATION

Shelf life >12 months

**References:**

\* European agreement concerning the international carriage of dangerous goods by road

(ADR) volumes I & II 1999

\* Commission Directive 93/112/EC of 10/12/93, ( O.J. No. 314 of 16/12/93 pg 38)

\* Council Directive 67/548/EEC and all appropriate A.T.P'S

#### **IMPORTANT NOTE:**

1. Before any product is used the label should be carefully read and current safety literature and information consulted.

2. The product information in this Data Sheet is to the best of Hagen Automation's knowledge correct as at the date of publication. User should contact Hagen Automation for updated advice and in any event satisfy themselves that the product is entirely suitable for their purpose.

**Abbreviations & Acronyms**

PNEC Predicted No Effect Level

DNEL Derived No Effect Level

LD50 Median Lethal Dose

LC50 Median Lethal Concentration

CAS No Chemical Abstract Services number

CLP Classification Labelling and Packaging Regulation

ES Exposure Scenario

EC European Commission

EC No European Chemical Number – EINECS - ELINCS

ECHA European Chemical Agency

EINECS European Inventory of Existing Commercial Chemical Substances

ELINCS European List of Notified Chemical Substances.

OECD Organisation for Economic Cooperation and Development

DSD Dangerous Substances Directive.

PBT Persistent Bio accumulative Toxic

vPvB very Persistent very Bio accumulative