

In accordance with Directive 1907/2006/EC, 2020/878

Version 9.0

Revision date: 10-04-2023

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Print date: 21-4-2023

Trade name: Microcrystalline wax

## **SECTION 1: Identification of the substance/mixture and of the company/undertaking**

### **1.1 Product identification:**

Product name: Microcrystalline wax  
CAS no: 64742-60-5  
EC no: 265-163-4  
Registration number: 01-2119488075-32  
UFI code: GJWN-76S5-6000-4K8E

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

Product category: general use of paraffin and wax.  
Application of the substance/mixture: Professional use only.  
Uses advised against: None known.

### **1.3 Details of the supplier of the safety data sheet:**

Responsible distributor : ASSYST bvba / A.S.O.W. bvba  
Hellegatstraat 13a  
2590 Berlaar  
Belgium  
Tel: +32 495 50 61 14 / +32 496 83 70 27  
Website: [www.assyst.org](http://www.assyst.org) / [www.artsuppliesonweb.com](http://www.artsuppliesonweb.com)  
Email: [ao@assyst.org](mailto:ao@assyst.org) / [vera.opsommer@assyst.org](mailto:vera.opsommer@assyst.org)

### **1.4 Emergency phone number:**

For Belgium: Call the **Poison Control Center (070 245 245 - free)**, if not available: **02 264 96 30** (normal rate) or your doctor. In life-threatening situations, always call the European emergency number **112**.  
NHS 24 Direct For help from a GP, visit your GP surgery's website, use an online service to contact your GP, or call the surgery. **For urgent medical help**, use the NHS 111 online service, or **call 111** if you are unable to get help online. **For life-threatening emergencies, call 999** for an ambulance. There is more information about getting medical help on the NHS website.

## **SECTION 2: Hazard identification**

### **2.1 Classification of the substance or mixture:**

**Classification according to Directive (EC) No 1272/2008 and its amendments.**

The substance is not classified according to the CLP regulation.

### **2.2 Label elements:**

**Labelling in accordance with Regulation (EC) No 1272/2008:**

**Hazard pictograms:** Expires.

**Signal word:** Expires.

**Hazard statements:** Expires.

### **2.3 Other hazards:**

This substance or mixture does not contain any constituents considered persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

### **Ecological information:**

The substance/mixture does not contain constituents considered to have endocrine-disrupting properties according to REACH article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at level 0.1% or higher.

### **Toxicological information:**

The substance/mixture does not contain constituents considered to have endocrine-disrupting properties according to REACH article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at level 0.1% or higher.

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## **SECTION 3: Composition and information on ingredients**

### **3.1 Dust:**

#### **CAS no. Description:**

64742-60-5 Industrial paraffin mixture of paraffinic hydrocarbons with number of carbon atoms >C20.

#### **Identification number(s)**

EC number: 265-163-4

#### **Description:**

Mixture of substances indicated below, possibly with non-hazardous admixtures or with components whose concentration is lower than the classification values.

#### **Additional data:**

The verbatim content of the specified instructions on potential hazards can be found in chapter 16.

## **SECTION 4: First aid measures**

### **4.1 Description of first-aid measures:**

#### **General information:**

Remove victim from danger zone and lay down.

Never administer anything by mouth to an unconscious person.

#### **After inhalation:**

Take victim into open air and lay down quietly.

#### **After skin contact:**

After contact with the molten product, cool quickly with cold water.

Do not pull the solidified product off the skin.

Seek expert medical advice immediately.

#### **After eye contact:**

If possible, remove contact lenses.

Rinse the eyes under running water for several (at least 15) minutes while keeping the eye slit open.

If symptoms persist, consult a doctor.

#### **After ingestion:**

DON'T MAKE THEM VOMIT!

Rinse mouth and drink plenty of water.

### **4.2 Main acute and delayed symptoms and effects:**

No further relevant information available.

### **4.3 Indication of immediate medical attention and special treatment required:**

No further relevant information available.

## **SECTION 5: Fire-fighting measures**

### **5.1 Extinguishing media:**

#### **Suitable extinguishing agents**

CO<sub>2</sub>, powder, foam or water spray.

Fight larger fires with alcohol-resistant foam or water spray.

#### **Unsuitable extinguishing agents**

Water with full jet.

### **5.2 Special hazards arising from the substance or mixture:**

No further relevant information available.

### **5.3 Advice for firefighters:**

#### **Special protective clothing:**

Wear respiratory protection device not dependent on ambient air.

Don full protective coveralls.

#### **Further details:**

Cool tanks exposed to danger with water spray.

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## **SECTION 6: Measures in case of accidental release of the substance or mixture**

### **6.1 Personal precautions, protective equipment and emergency procedures:**

Wear protective equipment.

Keep unprotected persons away.

### **6.2 Environmental precautions:**

Do not discharge into drains/surface or groundwater.

### **6.3 Methods and materials for containment and cleaning:**

Let it solidify.

Get mechanical.

### **6.4 Referral to other departments:**

See Section 7 for information on safe use.

See Section 8 for information on personal protective equipment.

See chapter 13 for information on disposal.

## **SECTION 7: Handling and storage:**

### **7.1 Precautions for safe use**

Avoid inhalation of vapours and contact with eyes, skin and clothing.

### **Information on fire and explosion protection:**

No special measures required.

### **7.2 Conditions for safe storage, including incompatibilities:**

#### **Storage:**

#### **Requirements for storage rooms and tanks:**

Only use tanks specially equipped for this product.

When stored in tanks, a nitrogen blanket is recommended.

#### **Information on storage in a common storage area:**

Keep away from oxidising substances.

#### **Further information on storage conditions:**

Protect from heat and direct sunlight.

Store between 0°C and 40°C in a dry, well-ventilated place.

### **7.3 Specific end use:**

No further relevant information available.

## **SECTION 8: Exposure controls/personal protection measures**

### **8.1 Control parameters:**

#### **Components with limit values that require monitoring at the workplace:**

Expires.

#### **Additional data:**

The basis was lists that were valid when drawn up.

### **8.2 Control of exposure:**

#### **Appropriate technical measures:**

No additional data. See section 7.

#### **Individual protection measures, such as personal protective equipment.**

#### **General protection and health measures:**

The usual precautions when handling chemicals should be observed.

#### **Respiratory protection:**

Not necessary.

#### **Hand protection:**

Only use protective gloves for chemicals with a category III CE marking.

#### **Glove material:**

The choice of a suitable glove depends not only on the material, but also on other quality characteristics and varies from manufacturer to manufacturer.

Nitrile rubber gloves.

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**Penetration time of glove material:**

You can find out the exact penetration time from the glove manufacturer; keep it in mind.

**Eye/face protection:**

Safety glasses.

**Body protection:**

Wear suitable protective clothing.

**Managing environmental exposure:**

Prevent spillages from entering surface water or soil.

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties:****General data:**

Colour:	Whitish
Odour:	Slightly hydrocarbon-like
Odour threshold:	Not determined.
Melting point:	See product specification sheet.
Boiling point or initial boiling point and boiling range:	Not determined.
Flammability:	Not usable.

**Lower and upper explosion limit**

Bottom:	Not particular.
Upper:	Not particular.
Flash point:	>200°C (COC)
Self-ignition temperature:	Not determined
Decomposition temperature:	Not determined.
pH:	Not usable.

**Viscosity**

Kinematic viscosity:	Not usable.
Dynamic viscosity:	Not determined.

**Solubility**

Water:	Not soluble.
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**Refractive index**

Partition coefficient n-octanol/water (log value):	Not determined.
Vapour pressure:	Not determined.

**Density and/or relative density**

Density at 20°C:	0.784 - 0.860 g/cm <sup>3</sup> (DIN 51757)
Relative density:	Not determined.
Vapour density:	Not determined.
Particle characteristics:	See 3.

**9.2 Other information****Occurrence:**

Shape:	Pasty
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**Important health and environmental protection and safety data**

Self-ignition:	The product does not ignite by itself.
Explosive properties:	The product is not explosive.
Oxidising properties:	Not determined

**State change**

Evaporation rate:	Not determined.
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**Information on physical hazard classes**

Explosives:	expires
Flammable gases:	expires
Aerosols:	expires
Oxidising gases:	expires

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Gases under pressure:	expires	
Flammable liquids:	expires	
Flammable solids:	expires	
Self-reactive substances and mixtures:	expires	
Pyrophoric liquids:	expires	
Pyrophoric solids:	expires	
Substances and mixtures liable to self-heat:	expires	
Substances and mixtures which develop flammable gases in contact with water:	expires	expires
Oxidising liquids:	expires	
Oxidising solids:	expires	
Organic peroxides:	expires	
Corrosive to metals:	expires	
Unsensitised explosives:	expires	

## **SECTION 10: Stability and reactivity**

### **10.1 Reactivity:**

Stable under recommended conditions.

### **10.2 Chemical stability:**

#### **Thermal decomposition / conditions to be avoided:**

No degradation when used as directed.

### **10.3 Possible hazardous reactions:**

No dangerous reactions known.

### **10.4 Conditions to avoid:**

No further relevant information available.

### **10.5 Chemically interacting materials:**

No further relevant information available.

### **10.6 Hazardous decomposition products:**

No known hazardous decomposition products.

## **SECTION 11: Toxicological information**

### **11.1 Information on toxicological effects:**

#### **Acute toxicity:**

Based on available data, the classification criteria are not met.

#### **Primary irritant effect:**

#### **Skin corrosion/irritation:**

Based on available data, the classification criteria are not met.

#### **Serious eye damage/irritation:**

Based on available data, the classification criteria are not met.

#### **Respiratory or skin sensitisation:**

Based on available data, the classification criteria are not met.

#### **CMR effects (carcinogenic, mutagenic and reprotoxic):**

#### **Mutagenicity in gametes:**

Based on available data, the classification criteria are not met.

#### **Carcinogenicity:**

Based on available data, the classification criteria are not met.

#### **Reprotoxicity:**

Based on available data, the classification criteria are not met.

#### **STOT single exposure:**

Based on available data, the classification criteria are not met.

#### **STOT repeat exposure:**

Based on available data, the classification criteria are not met.

#### **Aspiration hazard:**

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Based on available data, the classification criteria are not met.

**Additional toxicological information:**

**OSHA-Ca (Occupational Safety and Health Administration):**

The substance is not present.

11.2 Information on other hazards

**Hormone-disrupting properties**

The substance/mixture does not contain constituents considered to have endocrine-disrupting properties according to REACH article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at level 0.1% or higher.

**SECTION 12: Ecological information**

12.1 Toxicity:

The components of the product are not classified as hazardous to the environment or the quantities are not relevant.

However, this does not mean that large or regular discharges cannot be a hazard or cause damage to the environment.

**Aquatic toxicity:**

No further relevant information available.

12.2 Persistence and degradability:

Biodegradable.

12.3 Bioaccumulation:

Due to the n-octanol/water partition coefficient, accumulation in organisms is possible.

12.4 Mobility in soil:

No further relevant information available.

12.5 Results of PBT and vPvB assessment

This substance or mixture does not contain any constituents that may be considered persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Hormone-disrupting properties

The substance/mixture does not contain constituents considered to have endocrine-disrupting properties according to REACH article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at level 0.1% or higher.

12.7 Other adverse effects:

**Further ecological information:**

**General information:**

Water hazard (EN): A(4) Little harmful to aquatic organisms May cause long-term adverse effects in the aquatic environment.

Generally no water hazard.

**SECTION 13: Disposal instructions**

13.1 Waste treatment methods:

**Recommendation:**

Observe locally applicable regulations.

After prior treatment, the product must be disposed of in a hazardous waste incinerator in accordance with the regulations on the disposal of particularly hazardous waste.

**European waste catalogue:**

13 08 99 Oil waste (not elsewhere specified)

**Contaminated packaging:**

Recommendation: Disposal should be made according to official regulations.

Empty contaminated containers thoroughly.

They can be recycled after thorough and proper cleaning by an authorised recycling company.

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## **SECTION 14: Transport information**

### 14.1 UN number

Transport of this substance is not subject to regulations.

### 14.2 Proper designation of cargo according to UN model regulations

Transport of this substance is not subject to regulations.

### 14.3 Transport hazard class(es)

Transport of this substance is not subject to regulations.

### 14.4 Packing group

Transport of this substance is not subject to regulations.

### 14.5 Environmental hazards

Transport of this substance is not subject to regulations.

### 14.6 Special precautions for the user

Transport of this substance is not subject to regulations.

### 14.7 Transport in bulk in accordance with Annex II to MARPOL 73/78 and the IBC Code

Not applicable to the product delivered.

## **SECTION 15: Statutory information**

### 15.1 Safety, health and environmental regulations and legislation specific to the substance or mixture:

#### **Sara**

#### Section 355 (highly hazardous substances):

The substance is not present.

#### Section 313 (specific lists of toxic chemicals):

The substance is not present.

#### **Proposition 65**

#### Chemicals known to cause cancer:

The substance is not present.

#### Chemicals known to be toxic to reproduction in women:

The substance is not present.

#### Chemicals known to be toxic to reproduction in men:

The substance is not present.

#### Chemicals known to cause developmental toxicity:

The substance is not present.

#### **Carcinogenicity categories**

#### EPA (Environmental Protection Agency)

The substance is not present.

#### TLV (Threshold Limit Value)

The substance is not present.

#### NIOSH-Ca (National Institute for Occupational Safety and Health)

The substance is not present.

#### SZW list of carcinogenic substances

The substance is not present.

#### SZW list of mutagenic substances

The substance is not present.

#### NON-limiting list of substances toxic for reproduction - Fertility

The substance is not present.

#### NON-limiting list of substances toxic for reproduction - Development

The substance is not present.

#### NON-limiting list of substances toxic for reproduction - Breastfeeding

The substance is not present.

#### List of Substances of Very High Concern (SVHC)

The substance is not present.

#### List of Potential Substances of Very High Concern

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The substance is not present.

#### **Directive 2012/18/EU**

Named hazardous substances - ANNEX I:

The substance is not present.

Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment - Annex II:

The substance is not present.

#### **REGULATION (EU) 2019/1148**

Annex I - PRECURSORS FOR EXPLOSIONS SUBJECT TO A LIMITATION (Upper limit for the purposes of Article 5(3) licensing):

The substance is not present.

Annex II - PRECURSORS FOR EXPLOSIONS THAT MUST BE REPORTED

The substance is not present.

Regulation (EC) No 273/2004 on drug precursors

The substance is not present.

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors:

The substance is not present.

#### **National regulations:**

Water hazard class:

Generally not hazardous to water.

#### 15.2 Chemical safety assessment:

No chemical safety assessment has been carried out for this product.

#### **SECTION 16: Other information**

##### **Safety data sheet legislation:**

This safety data sheet has been prepared in accordance with ANNEX II Guidance on the preparation of safety data sheets of Regulation (EC) No 1907/2006 (Regulation (EC) No 2020/878).

##### **Abbreviations and acronyms:**

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AICS - Australian Inventory of Chemicals; ASTM - American Association for the Testing of Materials; bw - body weight; CLP - Classification, Labelling and Packaging Regulation; Regulation (EC) no. 1272/2008; CMR - Carcinogenic, mutagenic or toxic to reproduction; DIN - Standard of the German Institute for Standardisation; DSL - Indoor Substances List (Canada); ECHA - European Chemicals Agency; EC number - EINECS number; EC<sub>x</sub> - Concentration associated with x% response; EL<sub>x</sub> - Load associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemicals (Japan); ErC<sub>x</sub> - Concentration associated with x% growth response; GHS - Globally Harmonised System; GLP - Good Laboratory Practice; IARC - International Agency for Cancer Research; IATA - International Air Transport Association; IBC - International IMO Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk; IC<sub>50</sub> - Half-maximum inhibitory concentration; ICAO - International Civil Aviation Organisation; IECSC - Inventory of Existing Chemicals in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organisation; ISHL - Industrial Safety and Health Act (Japan); ISO - International Organization for Standardization; KECI - Korean Inventory of Existing Chemicals; LC<sub>50</sub> - Lethal concentration for 50% of a test population; LD<sub>50</sub> - Lethal dose for 50% of a test population (median lethal dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not otherwise specified; NO(A)EC - No discernible (negative) effect on concentration; NO(A)EL - No discernible (negative) effect on level; NOELR - No discernible effect on chargeability; NZIoC - New Zealand Inventory of Chemicals; OECD - Organisation for Economic Cooperation and Development OECD; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic Substance; PICCS - Philippine Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationships; REACH - Regulation (EC) no. 1907/2006 of the European Parliament and of the Council on the

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Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH); RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Inventory List; TRGS - Technical Regulations on Hazardous Substances; TSCA - Toxic Substance Control Act (USA); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative.

**Advice on training:**

Minimal training is recommended to prevent industrial hazards for personnel using this product and to facilitate their understanding and interpretation of this MSDS and the product label.

**Main bibliographical sources:**

<http://echa.europa.eu>

<http://eur-lex.europa.eu>

As we do not know the working conditions of the user, the information in this safety data sheet is based on our knowledge and on national and Community regulations. The mixture must not be used for purposes other than those specified in section 1 without prior written processing instructions. It is always the user's responsibility to take all necessary measures to comply with the requirements of laws and local regulations.

The information in this safety data sheet should be regarded as a description of the safety requirements relating to this substance and not as a guarantee of its properties.

**DISCLAIMER:**

We declare that the information in this safety data sheet corresponds to the best of our knowledge at the time of printing. The information contains instructions for the safe handling of the product mentioned in this safety data sheet during storage, processing, transport and disposal. The information is not transferable to other products. If the product is mixed with other material or processed, the information in this safety data sheet is not necessarily transferable to the new material thus created.