

Safety Data Sheet

Modelling candle wax



acc. EC 1907/2006 (REACH-VO)
version: 08/08 E-DM-BOdate of last change: 25.05.2010

print date: 25.05.2010

page 1 / 5

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY

| | |
|------------------------------------|--|
| Trade name : | Modelling candle wax |
| Industrial sector : | Art. 13100/ 13110/ 13120/ 13130/ 13140 |
| Use of the substance/preparation : | Chemical industry, candle industry, basic material, model wax |
| | Product is defined as raw material for production or for further processing. |
| Company : | EXAGON AG |
| Street : | Bernerstr. Nord 210 |
| City: | CH-8064 Zurich |
| Phone: | +41 (0)44 430 36 76 |
| Fax: | +41 (0)44 430 36 66 |
| e-mail: | info@exagon.ch |

2. HAZARDS IDENTIFICATION

| | |
|---|---|
| 2.1 Classification/ Hazards characteristics: | This product does not require labelling in sense of the preparation guideline 67/548/EWG and 1999/45/EG |
| 2.2 Additional safety information for humans and the environment: | Risk of skin burns caused by hot melt. |

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/composition related information

| | |
|----------------------------|--|
| Chemical characterisation: | hydrocarbon wax with mainly microcrystalline structure |
| CAS No: | 64742-60-5, 64742-51-4, 8042-47-5 |
| EINECS No: | 265-163-4, 265-154-5, 232-455-8 |
| Hazard ingredients: | none |
| Chemical name : | |
| CAS No : | |
| EINECS No.: | |
| Percent % : | |
| Classification /labelling: | |

4. FIRST AID MEASURES

| | |
|-----------------------|---------------------------------|
| General information : | Take away contaminated clothes. |
|-----------------------|---------------------------------|

Safety Data Sheet

Modelling candle wax



acc. EC 1907/2006 (REACH-VO)
version: 08/08 E-DM-BOdate of last change: 25.05.2010

print date: 25.05.2010

page 2 / 5

| | |
|---------------------------|--|
| In case of eye contact : | In case of contact with eyes, rinse immediately thoroughly with plenty of water. |
| In case of skin contact : | In case of eye irritation consult an ophthalmologist In case of contact with molten product, cool skin area rapidly with cold water. Do not peel solidified product off the skin. |
| In case of inhalation : | Move affected person into fresh air, keep warm and allow to rest. In case of respiratory tract irritation, consult a physician. |
| In case of ingestion : | Rinse mouth thoroughly with water. |
| Information to physician: | No data available. |

5. FIRE- FIGHTING MEASURES

| | |
|---|---|
| Suitable extinguishing media : | sand, foam ,dry powder, carbon dioxide (CO ₂) |
| Extinguishing media which must not to be used for safety reasons: Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases: | water In case of fire may be liberated: Carbon dioxide, Nitro oxides (NO _x) , soot and other organic products. |
| Special protective equipment for fire fighters: | In case of fire: Wear self-contained breathing apparatus. |
| Additional information: | Use water spray to protect personnel and to cool endangered containers. |

6. ACCIDENTAL RELEASE MEASURES

| | |
|----------------------------|---|
| Personal precautions: | Wear breathing apparatus if exposed to vapour/ dusts/ aerosols. |
| Environmental precautions: | Do not allow to drains, water courses or soil. |
| Cleaning procedures: | Allow product to cool down and solidify. Collect in suitable containers for recycling or disposal. Please look disposal considerations. |

7. HANDLING AND STORING

| | |
|--|--|
| Safe handling advice: | Avoid forming of wax vapor/ fume. If this is not possible provide proper air ventilation; if necessary use suction plant. |
| Advice on protection against fire and explosion: | Steps against electrostatic charges should be provided. Product may only form ignitable compositions or burn, if heated up to temperatures higher than flashpoint. |

Additionally information

Requirements for storage areas and containers: Only use containers specially approved for the substance/product. Keep storage place cool and dry.

Hints on storage assembly

Materials to avoid:

Strong oxidizing agents.

Further information on storage conditions:

Keep in cool, well ventilated place.

Safety Data Sheet

Modelling candle wax



acc. EC 1907/2006 (REACH-VO)
version: 08/08 E-DM-BOdate of last change: 25.05.2010

print date: 25.05.2010

page 3 / 5

Fire class: B
Storage class VCI: 11 (burnable solids)
Typical applications: Observe technical data sheet.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

National occupational exposure limit value: not applicable
European occupational exposure limit value: not applicable
Engineering measures: In case of thermal processing, provide for extraction of vapours or adequate ventilation.

Personal protective equipment

Respiratory protection: Respiratory protection is necessary at aerosol or mist formation: use mask of filter types A2, A2/P2 or ABEK.
Hand protection: Hand protection in accordance to other used chemicals. Hand protection is recommended. Use protective skin cream regulatory.
Eye protection: Eye glasses with side protection.
Body protection: If contact with hot product is possible, please wear heat resistant and flame retardant protective clothing.
Hygiene measures: Usual precautions for proper handling of chemicals should be observed. After work, before meal breaks, clean wax soiled skin by water and emollient cleaning agent/soap. Avoid inhalation of wax fume.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form: solid
Colour: off-white to light yellow
Odour: low typical

Important health, safety and environmental information

pH-value: not applicable
Drop point (DIN ISO 2176): 50 – 90 °C
Boiling temperature / boiling range: undetermined
Vapour pressure: undetermined
Density at 20°C (DIN 53217): approx. 0,92 g/cm³
Solubility in Water at 20°C: insoluble
Viscosity at 120°C (DIN 53019): < 30 mPas
Flash point: (DIN ISO 2592): > 150 °C
Ignition temperature: not available

10. STABILITY AND REACTIVITY

Conditions to avoid: No hazardous reactions known.
Materials to avoid: Reactions with strong oxidizing agents.

Safety Data Sheet

Modelling candle wax



acc. EC 1907/2006 (REACH-VO)
version: 08/08 E-DM-BOdate of last change: 25.05.2010

print date: 25.05.2010

page 4 / 5

Hazard decomposition products:

No hazardous decompositions products known.

11. TOXICOLOGICAL INFORMATION

Non- human toxicological data

Acute orale toxicity:

LD50 (rat) > 2000 mg/kg

Additional information:

Data obtained by analogy e.g. QSAR.

12. ECOLOGICAL INFORMATION

Ecotoxicity:

No data available.

Behaviour in environmental compartments:

Technically correct releases of minimal concentrations to adapted biological sewage plant, will not disturb the biodegradability of activated sludge.

Further information:

Do not allow uncontrolled discharge of product into the environment.

13. DISPOSAL CONSIDERATIONS

Product :

With respect to local regulations, e.g. dispose of to suitable waste incineration plant.

Waste designations in accordance with EWC

Waste key number:

No waste key number as per the European Waste types List can be assigned to this product, since such classification is based on the (as yet undetermined) use to which the product is put by the consumer. The waste key number must be determined as per the European Waste Types List (decision on EU Waste Types List 2000/532/EC) in cooperation with the disposal firm/producing firm/official authority.

Empty packages:

Non-contaminated packages may be recycled. Packing which cannot be properly cleaned must be disposed of.

14. TRANSPORT INFORMATION

ADR/RID :

non-restricted

GGVS/GGVE :

--

IATA-TI :

--

IATA-DGR :

--

IMDG :

--

GGVSee :

--

15. REGULATORY INFORMATION

Labelling in accordance to EC-directive:

The product does not require a hazard warning label in accordance to 67/548/EWG and 1999/45/EC.

Safety Data Sheet

Modelling candle wax



acc. EC 1907/2006 (REACH-VO)
version: 08/08 E-DM-BOdate of last change: 25.05.2010

print date: 25.05.2010

page 5 / 5

National regulation :

Please check local regulation and contact administration.

Water hazard class

1

Classification:

low water endanger in accordance with VwVwS

16. OTHER INFORMATION

Recommended restrictions on use:

Not heated up to temperatures higher than flash point.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.