

# Material Safety Data Sheet

Modellierwachs, Art.13100-13140



according to EC/1272/2008 (Amendment to REACH)

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## 1. Identification of the substance / preparation and the Company

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Trade name:	Modellierwachs, Art. 13100-13140
Industrial sector:	chemical industry, basic material, candle industry, model wax
Use of the substance/preparation:	Product is defined as raw material for production or for further processing.  Please call us at the below stated telephone number to clarify further uses. We will connect you with an application-engineering staff member to help you.
Recommended restrictions on use:	Please see Chapter 16
Company:	Exagon AG
Street:	Räffelstrasse 10
City:	CH-8045 Zürich
Information about substance / preparation:	Exagon AG
Phone:	+41(0)44 430 36 76
Fax:	+41(0)44 430 36 66
E-Mail:	<a href="mailto:info@exagon.ch">info@exagon.ch</a>
Emergency telephone:	145 (Tox Info Suisse)

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## 2. Hazards Identification

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2.1 Classification/ Hazards characteristics:	This product does not require labeling. 1272/2008, actual version
2.2 Additional safety information for humans and the environment:	Risk of skin burns caused by hot melt.

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## 3. Composition / Information on Ingredients

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### *Substance/composition related information*

Chemical characterization:	microcrystalline wax
Component CAS-numbers:	68527-08-2 64742-60-5 92062-09-4 8042-47-5 64742-51-4

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Component EINECS-numbers:	exempt 265-163-4 295-523-6 232-455-8 265-154-5
Hazard ingredients:	none
REACH-No.:	exempt 01-2119488075-32 01-2119487475-25 01-2119487078-27 01-2119480133-46

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## 4. First aid measures

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General information:	Take away contaminated clothes.
In case of eye contact:	In case of contact with eyes, rinse immediately thoroughly with plenty of water. In case of eye irritation consult an ophthalmologist.
In case of skin contact:	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. Treat symptomatically

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## 5. Firefighting measures

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Suitable extinguishing media:	sand, foam ,dry powder, carbon dioxide (CO <sub>2</sub> )
Extinguishing media which must not to be used for safety reasons:	water
Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases:	In case of fire may be liberated: Carbon dioxide, Nitro oxides (NO <sub>x</sub> ), 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.

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## 6. Accidental Release measures

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Personal precautions:	Wear breathing apparatus if exposed to vapor/dusts/aerosols.
Environmental precautions:	Do not allow into drains, water courses or soil.

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Cleaning procedures:	Allow product to cool down and solidify. Collect in suitable containers for recycling or disposal. Please look disposal considerations.
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## 7. Handling and Storage

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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.
<i>Additionally information:</i>	
Requirements for storage areas and containers:	Only use containers approved for the substance/product-group. Keep storage place cool and dry.
<i>Hints for storage:</i>	
Materials to avoid:	Strong oxidizing agents.
Further information on storage conditions:	Keep in cool, well ventilated place.
Fire class:	B
Storage class:	11 (burnable solids)
Typical applications:	Observe technical data sheet.
PNEC-Values	No data available
DNEL-Values	No data available

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## 8. Exposure controls / Personal protection

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### *Components with workplace control parameters*

National occupational exposure limit value:	No data available
European occupational exposure limit value:	No data available
Engineering measures:	In case of thermal processing, provide for extraction of vapors 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. Preventive hand protection is recommended. The regular use of protective skin cream is recommended.
Eye protection:	Protection glasses with side protection.
Body protection:	If contact with hot product is possible, please wear heat resistant and flame retardant protective clothing.

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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.

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## 9. Physical and Chemical Properties

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Form:	solid	
Color:	off-white to light yellow	
Odor:	low typical	
<i>Important health, safety and environmental information</i>		
pH-value:	not applicable	
Drop point (DIN ISO 2176):	50 – 90	°C
Boiling temperature / boiling range:	undetermined	
Vapor pressure:	undetermined	
Density at 20°C (DIN 53217):	approx. 0,93	g/cm <sup>3</sup>
Solubility in Water :	insoluble	
Viscosity at 120°C (DIN 53019):	< 30	mPas
Flash point ( DIN ISO 2592):	> 170	°C
Ignition temperature:	not available	
Self-ignition:	not determined / only above flash point	
Explosion hazard:	only as aerosol / dust	
Oxidizing properties:	unknown	
Vapor density:	undetermined	
Evaporation rate	undetermined	

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## 10. Stability and reactivity

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Conditions to avoid:	No hazardous reactions known
Materials to avoid:	Strong oxidizing agents
Hazard decomposition products:	No hazardous decompositions products known

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## 11. Toxicological information

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*Non- human toxicological data*

Acute oral toxicity:	LD50 (rat) > 2000 mg/kg
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Acute dermal toxicity: LD50 (rabbit) > 2000 mg/kg  
Additional information: Data obtained by analogy e.g. QSAR.

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## 12. Ecological information

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Ecotoxicity: No data available.  
Behavior in environmental compartments: Technically correct releases of minimal concentrations to adapted biological sewage plants will not disturb the biodegradability of activated sludge.  
Further information: Do not allow uncontrolled discharge of product into the environment.

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## 13. Disposal considerations

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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 company / producing company / official authority.  
Empty packages: Non-contaminated packages may be recycled.  
Packing that cannot be properly cleaned must be disposed of.

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## 14. TRANSPORT INFORMATION

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ADR/RID: non-restricted  
GGVS/GGVE: --  
IATA-TI: --  
IATA-DGR: --  
IMDG: --  
GGVSee: --

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## 15. REGULATORY INFORMATION

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Labeling in accordance to EC-directive:	The product does not require a hazard warning label in accordance to 67/548/EWG and 1999/45/EC; as well as EC/1272/2008.
National regulation:	Please check local regulation and contact administration.
<i>Water hazard class</i>	
Classification:	low water endangering in accordance with AwSV

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## 16. Other information

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Recommended restrictions on use:	Do not heat up to temperatures higher than flash point.
SVHC	<p>The substances listed in (<a href="http://echa.europa.eu/en/candidate-list-table">http://echa.europa.eu/en/candidate-list-table</a>) are neither expected nor intentionally introduced during the manufacturing process. Our products do not have any contact to these substances during the manufacturing process. The fact that these substances are not intentionally introduced does not exclude that trace levels below 0,1 % may be unintentionally present or may the result of specific characteristics of the raw material.</p>

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 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.  
With this latest version of the safety data sheet, all previous versions automatically lose their validity.