

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date: 29.10.2013

Version: 2.00

Revision: 29.10.2013

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

- **1.1 Product identifier**
- **Trade name:** **IMWITOR 900 K**
- **CAS Number:**  
85251-77-0
- **EC number:**  
286-490-9
- **Registration number:** 01-2119495562-30-0006
- **1.2 Relevant identified uses of the substance or mixture and uses advised against:** -
- **Uses advised against:** -
- **Application of the substance / the preparation:**  
Raw material for industrial applications  
Cosmetic raw material  
Emulsifier  
Pharmaceutical raw material
- **1.3 Details of the supplier of the safety data sheet**
- **Supplier/Manufacturer:**  
CREMER OLEO GmbH & Co. KG  
Glockengiesserwall 3  
20095 Hamburg  
Germany  
  
Tel.: +49-40-32011-0  
Fax: +49-40-321757
- **Email competent person:** quality47@cremer.de
- **Information department:** See supplier/manufacturer
- **1.4 Emergency telephone number:**  
GIZ-Nord, Göttingen, Germany  
+49 551 19240

## SECTION 2: Hazards identification

- **Classification according to Regulation (EC) No 1272/2008** The substance is not classified according to the CLP regulation.
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC** not applicable
- **Information concerning particular hazards for human and environment:**  
Based on the classification criteria for mixtures according to Regulation (EC) No. 1272/2008, the product is not subject to labelling
- **Classification system:**  
The classification complies with current legislation, but is supplemented with information from technical literature and company information.
- **Additional information:**  
Product is not explosive. However, formation of explosive air/dust mixtures is possible.  
Product forms slippery surface when combined with water.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable due to data
- **vPvB:** Not applicable due to data

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### SECTION 3: Composition/information on ingredients

- **3.1 Chemical characterization: Substances**
- **CAS No. Description:**  
85251-77-0 Glycerides, C16-18 mono- and di-
- **Identification number(s):**
- **EC number:** 286-490-9

### SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information:** If symptoms persist or in case of doubt, seek medical advice.
- **After inhalation:** Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.
- **After skin contact:** Rinse with plenty of water.
- **After eye contact:**  
Rinse opened eye for several minutes under running water.  
If symptoms persist, consult a doctor.
- **After swallowing:**  
Seek medical treatment.  
Never give anything by mouth to an unconscious person.  
Do not induce vomiting.  
Unless instructed explicitly by medical staff.
- **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed** Symptomatic treatment

### SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**  
Carbon dioxide (CO<sub>2</sub>)  
Foam  
Fire-extinguishing powder  
Use fire fighting measures that suit the environment.
- **For safety reasons unsuitable extinguishing agents:** High volume water jet
- **5.2 Special hazards arising from the substance or mixture**  
In case of fire, the following can be released:  
Carbon monoxide (CO)  
Carbon dioxide (CO<sub>2</sub>)  
Noxious gases/vapours
- **5.3 Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.
- **Additional information:**  
Cool endangered receptacles with water spray.  
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Avoid formation of dust.  
Wear protective clothing.  
Product forms slippery surface when combined with water.
- **6.2 Environmental precautions:**  
Do not allow product to reach sewage system or any water course.

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- Do not allow to penetrate the ground/soil.
- **6.3 Methods and material for containment and cleaning up:**  
Pick up mechanically.  
Make sure to recycle or dispose of in suitable receptacles.
- **6.4 Reference to other sections**  
See Section 7 for information on safe handling  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

### SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**  
Prevent formation of dust.  
Any deposit of dust which cannot be avoided must be regularly removed.
- **Information about protection against explosions and fires:** Observe the general rules of industrial fire protection.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**  
Store container tightly sealed at a cool and dry place with sufficient ventilation.
- **Information about storage in one common storage facility:**  
Store away from foodstuffs.  
Store away from feed.
- **Further information about storage conditions:** Protect from heat and direct sunlight.
- **Storage class:** 11 Combustible solids
- **7.3 Specific end use(s)** No further relevant information available

### SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical systems:**  
Mechanical ventilation/exhaustion is strongly recommended.  
Adhere to common dust limit.
- **8.1 Control parameters**
- **Components with limit values that require monitoring at the workplace:** Not required
- **CAS No. Designation of material % Type Value Unit**
- **Additional Occupational Exposure Limit Values for possible hazards during processing:**  
Observe general threshold limit for dust.
- **Additional information:** The lists that were valid during the creation were used as basis.
- **8.2 Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
The usual precautionary measures should be adhered to when handling chemicals.  
Do not inhale dust/smoke/mist.  
Wash hands before breaks and at the end of work.  
Use skin protection cream for skin protection.
- **Breathing equipment:**  
In case of unintentional release of substance, exceeding the occupational exposure limit value:  
Short term filter device (EN 149):  
Filter P1  
Filter P2
- **Protection of hands:**  
Protective gloves  
The glove material has to be impermeable and resistant to the product/substance/preparation.  
Selection of the glove material in consideration of the penetration times, rates of diffusion and the degradation

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- After use of gloves apply skin-cleaning agents and skin cosmetics.
- **Material of gloves:**  
For undissolved solid substances following materials may be suitable:  
nitrile rubber (NBR), butyl rubber (BR), fluorocarbon rubber (FKM) and polychloroprene rubber (CR)  
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
- **Penetration time of glove material:**  
The exact penetration time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **For the permanent contact gloves made of the following materials are suitable:**  
Nitrile rubber, NBR  
(Thickness: 0.35 mm; Permeation time:  $\geq 480$  minutes)  
Butyl rubber, BR  
(Thickness: 0.5 mm; Permeation time:  $\geq 480$  Minuten)
- **Eye protection:** Safety glasses
- **Body protection:** Protective work clothing

### SECTION 9: Physical and chemical properties

· <b>9.1 Information on basic physical and chemical properties</b>	
· <b>General Information:</b>	
· <b>Appearance:</b>	
Form:	Solid Powder
Colour:	Yellow
· <b>Odour:</b>	Characteristic
· <b>Odour threshold:</b>	Not determined
· <b>pH-value:</b>	Not applicable
· <b>Change in condition:</b>	
Melting point/Melting range:	56 °C
Boiling point/Boiling range:	>300 °C
· <b>Flash point:</b>	> 240 °C
· <b>Flammability (solid, gaseous):</b>	Not determined
· <b>Ignition temperature:</b>	Not determined
· <b>Decomposition temperature:</b>	Not determined
· <b>Self ignition temperature:</b>	Product is not self-igniting.
· <b>Danger of explosion:</b>	Product is not explosive. However, formation of explosive air/dust mixtures is possible.
· <b>Explosion limits:</b>	
Lower:	Not applicable
Upper:	Not applicable
· <b>Vapour pressure at 20 °C:</b>	<1.35E-9 Pa
· <b>Density at 20 °C:</b>	920-960 kg/m <sup>3</sup>
· <b>Relative density:</b>	Not determined
· <b>Vapour density:</b>	Not applicable
· <b>Evaporation rate:</b>	Not applicable
· <b>Solubility in / Miscibility with Water at 20 °C:</b>	<1 mg/l
· <b>Partition coefficient (n-octanol/water):</b> log Kow	>5,63

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· <b>Viscosity:</b>	
<b>dynamic:</b>	Not applicable
<b>kinematic:</b>	Not applicable
· <b>9.2 Other information</b>	No further relevant information available

### \* SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
To avoid thermal decomposition do not overheat.  
No decomposition if used and stored according to specifications
- **10.3 Possibility of hazardous reactions** No dangerous reactions known
- **10.4 Conditions to avoid**  
Strong heating  
Dirt  
Chemical contamination  
Sunlight, UV or ionizing radiation
- **10.5 Incompatible materials:** No further relevant information available
- **10.6 Hazardous decomposition products:**  
No hazardous decomposition products if instructions for storage and handling are followed

### \* SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity:**
- **LD/LC50 values that are relevant for classification:**  
Conclusion by analogy  
Oral LD<sub>50</sub> >2000 mg/kg (rat) (OECD 401)  
Dermal LD<sub>50</sub> >2000 mg/kg (rabbit) (79/831/EWG, Annex V, Part B)  
test material: CAS 91845-19-1  
Inhalative LC<sub>50</sub>/6h >1.86 mg/l (rat) (OECD 403)  
maximum attainable concentration  
test material: CAS 973398-61-5
- **Primary irritant effect:**
- **on the skin:** No irritating effect species: rabbit OECD test 404
- **on the eye:** No irritating effect species: rabbit (eye) OECD test 405
- **On respiratory tract:** No data available
- **Sensitization:**  
No sensitizing effect in guinea pig in maximation test  
The product itself has not been tested. Information is based on products of similar structure and composition.
- **Other information (about experimental toxicology):**
- **Carcinogenic, mutagenic effects and adverse effects on reproduction:**  
Carcinogenicity: no data available  
Mutagenicity:  
Ames-test: negative  
Chinese Hamster Ovary Cell Mutation Test (HGPRT) - OECD 476: negative  
Mutagenicity (mammalian cell test): chromosomes aberration negative (OECD 473)  
The product itself has not been tested. Information is based on products of similar structure and composition.  
Toxicity to reproduction:  
Oral NOAEL(developmental) 1000 mg/kg bw/day (rat) (OECD 422)  
test material: CAS 91052-13-0

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- **Subacute to chronic toxicity:**
  - **STOT-single exposure** No data available
  - **STOT-repeated exposure:** No data available
  - **Aspiration hazard** Not relevant
  - **Repeated dose toxicity:**
- Oral NOAEL  $\geq$  1000 mg/kg bw/d (rat)

### SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:**  
No harmful effect on fish, daphnia and algae up to its limit of solubility.  
The product itself has not been tested. Information is based on products of similar structure and composition.  
EC<sub>50</sub>/48h > 0.01 mg/l (Daphnia magna) (EU Method C.2)  
measured initial conc.  
test material: CAS 67701-30-8  
EC<sub>50</sub>/72h > 100 mg/l (Desmodesmus subspicatus) (EU Method C.3)  
nominal, separation of undissolved matter  
test material: CAS 67701-30-8  
LC<sub>0</sub>  $\geq$  10000 mg/l (Danio rerio) (ISO 7346-1)  
test material: CAS 67701-33-1  
NOEC  $\geq$  0.01 mg/l (Daphnia magna) (OECD 211)  
measured initial conc., 21 d  
test material: CAS 65381-09-1
- **12.2 Persistence and degradability** Biodegradable
- **12.3 Bioaccumulative potential** Potential for bioconcentration in aquatic organisms is low.
- **12.4 Mobility in soil** No further relevant information available
- **Adsorption coefficient K<sub>oc</sub>:** K<sub>oc</sub> = 1415 (C16 monoglycerides) - 1,086E14 (C18 triglycerides) (calc.)
- **Additional ecological information:**
- **General notes:**  
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous to water  
Classification according to German VwVwS dt. 27.7.2005 appendix 3  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable due to data
- **vPvB:** Not applicable due to data
- **12.6 Other adverse effects** No further relevant information available

### SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation:** Disposal according to instructions of local authorities
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

### SECTION 14: Transport information

- **14.1 UN-Number**
- **ADR, ADN, IMDG, IATA** Void

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· <b>14.2 UN proper shipping name</b> · ADR, ADN, IMDG, IATA	Void
· <b>14.3 Transport hazard class(es)</b> · ADR, ADN, IMDG, IATA · Class	Void
· <b>14.4 Packing group</b> · ADR, IMDG, IATA	Void
· <b>14.5 Environmental hazards:</b> · Marine pollutant:	No
· <b>14.6 Special precautions for user</b>	Not applicable
· <b>14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable
· <b>Transport/Additional information:</b>	Not dangerous according to the above regulations
· <b>UN "Model Regulation":</b>	-

### SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **National regulations**
- **Water hazard class:**  
Water hazard class 1 (Self-assessment): slightly hazardous for water  
According to appendix 3 of VwVwS dated 27.7.2005 (German regulation)
- **15.2 Chemical safety assessment:**  
A Chemical safety Assessment has been carried out.

### SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Reasons for amendments:**  
Registration number  
CAS-number  
Supplement of technical characteristics  
Completion of toxicity data  
Ecological data  
General revision
- **Replaces version dated:** 28.06.2012
- **Department issuing MSDS:**  
KFT Chemieservice GmbH  
Im Leuschnerpark. 3 64347 Griesheim  
Postfach 1451 64345 Griesheim  
Germany

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· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

· **Sources:** Chemical Safety Report

· **\* Data compared to the previous version altered.**

Changes have been made to sections marked with a \*, as compared to the previous version.