

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

Printing date: 28.06.2012

Version: 1

Revision: 28.06.2012

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

- **1.1 Product identifier**
- Trade name: **SOFTISAN 645**
- CAS Number:
130905-60-1
- ELINCS Number:
406-144-4
- Registration number: 01-0000015564-69-0000
- **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
- **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-gruppe.com
- Information department: See supplier/manufacturer
- **1.4 Emergency telephone number:**
GIZ-Nord, Göttingen, Germany
+49 551 19240

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- 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:
According to current European laws and regulations the product is not dangerous or toxic material (based on the available data).
- Additional information: 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
- vPvB: Not applicable

SECTION 3: Composition/information on ingredients

- **3.1 Chemical characterization: Substances**
- CAS No. Description:
130905-60-1 Diglycerol esters of mono- and dicarboxylic acids
- Identification number(s): -
- ELINCS Number: 406-144-4

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· **INCI:** Bis-Diglyceryl Polyacyladipate-1

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; consult a doctor in case of pain.
- **After skin contact:**
Rinse with plenty of water.
If symptoms persist, consult a doctor.
- **After eye contact:**
Rinse opened eye for several minutes under running water.
If symptoms persist, consult a doctor.
- **After swallowing:**
Seek medical treatment.
Rinse mouth with water.
Never give anything by mouth to an unconscious person.
- **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 (CO₂)
Foam
Fire-extinguishing powder
Use fire fighting measures that suit the environment.
- **For safety reasons unsuitable extinguishing agents:** Water
- **5.2 Special hazards arising from the substance or mixture**
In case of fire, the following can be released:
Carbon monoxide (CO)
Carbon dioxide (CO₂)
- **5.3 Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.
- **Additional information:** Cool endangered receptacles with water spray.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Wear protective clothing.
Product forms slippery surface when combined with water.
Particular danger of slipping on leaked/spilled product.
- **6.2 Environmental precautions:**
Do not allow to penetrate the ground/soil.
Do not allow product to reach sewage system or any water course.
- **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
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.

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See Section 13 for disposal information.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** No special precautions are necessary if used correctly.
- **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:** Keep receptacle well sealed and storage at a well-ventilated area.
- **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:** 10 Combustible liquids
- **7.3 Specific end use(s)** No further relevant information available

SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **8.1 Control parameters**
- **Components with limit values that require monitoring at the workplace:** Not required
- **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.
 - Wash hands before breaks and at the end of work.
 - Use skin protection cream for skin protection.
- **Breathing equipment:**
 - Not necessary if room is well-ventilated
 - At formation of aerosols and mist:
 - Short term filter device:
 - Filter type: A
- **Protection of hands:**
 - At longer contact: protective gloves
 - After use of gloves apply skin-cleaning agents and skin cosmetics.
 - The glove material has to be impermeable and resistant to the product/substance/preparation.
 - Due to missing tests no recommendation to the glove material can be given for the product / preparation / chemical mixture.
 - Selection of the glove material in consideration of the penetration times, rates of diffusion and the degradation
- **Material of gloves:**
 - 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.
- **Eye protection:** Safety glasses
- **Body protection:** Protective work clothing

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SECTION 9: Physical and chemical properties

| | |
|--|---|
| · 9.1 Information on basic physical and chemical properties | |
| · General Information: | |
| · Appearance: | |
| Form: | Liquid Viscous |
| Colour: | Yellow |
| · Odour: | Characteristic |
| · Odour threshold: | Not determined |
| · pH-value: | Not applicable |
| · Change in condition: | |
| Melting point/Melting range: | Not determined |
| Boiling point/Boiling range: | Not determined |
| · Flash point: | > 200°C (DIN ISO 2592) |
| · Flammability (solid, gaseous): | Not applicable |
| · Ignition temperature: | Not determined |
| · Decomposition temperature: | Not determined |
| · Self ignition temperature: | Not determined |
| · Danger of explosion: | Product does not present an explosion hazard. |
| · Explosion limits: | |
| Lower: | Not determined |
| Upper: | Not determined |
| · Vapour pressure: | Not determined |
| · Density at 20°C: | ~1.01 g/cm ³ |
| · Relative density: | Not determined |
| · Vapour density: | Not determined |
| · Evaporation rate: | Not determined |
| · Solubility in / Miscibility with | |
| Water: | Inmiscible 20 °C |
| · Partition coefficient (n-octanol/water): | 3.95 log POW |
| · Viscosity: | |
| dynamic: | Not determined |
| kinematic: | Not determined |
| · 9.2 Other information | No further relevant information available |

SECTION 10: Stability and reactivity

- **10.1 Reactivity**
- **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

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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:**

Oral LD₅₀ > 2000 mg/kg (rat) (OECD 401)

Dermal LD₅₀ > 2000 mg/kg (rat) (OECD 402)

· **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

· **Sensitization:**

No sensitizing effect in guinea pig in maximation test

OECD 406

· **Other information (about experimental toxicology):** No mutagenic effects

· **Carcinogenic, mutagenic effects and adverse effects on reproduction:**

Carcinogenicity: not sufficient data available for classification

Toxicity to reproduction:

There is no evidence for fertility impairing effects from animal studies.

Teratogenicity:

There is no evidence for teratogenic effects from animal studies.

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

Oral NOAEL 1000 mg/kg bw/day (rat)

NOAEL (P) 1000 mg/kg bw/day (rat)

NOAEL (maternal) 1000 mg/kg bw/day (rat)

· **Subacute to chronic toxicity:**

· **STOT-single exposure** No classification

· **STOT-repeated exposure:** No classification

· **Aspiration hazard** Not relevant

· **Additional toxicological information:**

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

The substance is not subject to classification according to the latest version of the EU lists.

· **Repeated dose toxicity:**

Oral NOAEL 1800 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.

In analogy to similar product

EC₁₀ > 1700 mg/l (*Pseudomonas putida*)

5 h, oxygen consumption test

LC₅₀ > 1000 mg/kg (*Eisenia fetida*) (OECD TG 207)

NOEC/21d 2.5 mg/l (*Daphnia magna*) (OECD TG 202, Part 2)

NOEC/28 d ≥ 2.3 mg/l (*Onchorhynchus mykiss*)

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· **12.2 Persistence and degradability**

Not easily biodegradable

< 60 %, 28 d, aerob.

OECD 301 B

Biodegradable

> 70 %, 28 d; aerob.

OECD 302 C

· **12.3 Bioaccumulative potential** No further relevant information available

· **12.4 Mobility in soil** No further relevant information available

· **Additional ecological information:**

· **General notes:**

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous to water

According to appendix 3 of VwVwS dated 27.7.2005 (German regulation)

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

· **Toxicity to soil dwelling organisms:**

EC₅₀ >100 mg/kg (*Eisenia fetida*) (OECD 208)

Triticum aestivum, *Lepidium sativum*, *Brassica alba*

· **12.5 Results of PBT and vPvB assessment**

· **PBT:** Not applicable

· **vPvB:** Not applicable

· **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

· **14.2 UN proper shipping name**

· **ADR, ADN, IMDG, IATA** Void

· **14.3 Transport hazard class(es)**

· **ADR, ADN, IMDG, IATA**

· **Class** Void

· **14.4 Packing group**

· **ADR, IMDG, IATA** Void

· **14.5 Environmental hazards:**

· **Marine pollutant:** No

· **14.6 Special precautions for user** Not applicable

· **14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable

· **UN "Model Regulation":**

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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)
Ident number.: 4930
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not 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.

- **Department issuing MSDS:**
KFT Chemieservice GmbH
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Postfach 1451 64345 Griesheim
Germany

Phone: +49 6155 86829-0 Fax: +49 6155 86829-25
Safety Data Sheet Service: +49 6155 86829-22
- **Contact:** Dr. Sonja Fischer
- **Abbreviations and acronyms:**
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
ICAO: International Civil Aviation Organization
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
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