

## Product Name: Densurf SM 105

### 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY

---

#### 1.1. Product Description

**Product Name** : Densurf SM 105  
**Chemical Family** : Polyether Modified Siloxane

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

The product is used as surface modifier.

#### 1.3. Company Information

**Company Name** : DENG KİMYA & TEKSTİL SAN. TİC. A.Ş.  
**Address** : Velimeşe Organize Sanayi Bölgesi Mah. 259. Sok.  
No:4/1 Ergene/TEKİRDAĞ  
**Phone** : +90 (0282) 674 54 00 (Pbx)  
**Fax** : +90 (0282) 674 50 01  
**E-mail** : certificate@dengekimya.com  
**Related contact person** : Merve Aslı AYKIRI

#### 1.4. Emergency telephone number

**First Aid** : 112  
**Fair Station** : 110  
**Poison information center** : 114

### 2. HAZARDS IDENTIFICATION

---

#### 2.1. Classification of the substance or mixture

##### Classification (REGULATION (EC) No 1272/2008)

Physicochemical effect : Not related.


Human health : Eye Damage Cat. 2; H319 Causes serious eye irritation  
Acute Toxic Cat. 4; H332 Harmful If inhaled.

Environmental effect : Aquatic Chronic Cat. 2; H411 Toxic to aquatic life with long lasting effects.

#### 2.2. Label elements

##### Labelling (REGULATION (EC) No 1272/2008)

## Product Name: Densurf SM 105

Product Label (REGULATION (EC) No 1272/2008)	
	
Signal word	Warning
Hazard statements	H319: Causes serious eye irritation H332: Harmful If inhaled. H411: Toxic to aquatic life with long-lasting effects
Precautionary Statements	P264: Wash with water thoroughly after handling. P270: Do not eat, drink or smoke when using this product. P261: Avoid breathing dust/fume/gas/mist/vapors/spray. P271: Use only outdoors or in a well-ventilated area. P280: Wear protective gloves/ protective clothing/ eye protection/ face protection. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P302+P352 IF ON SKIN: Wash with plenty of soap and water. P362: Take off contaminated clothing and wash before reuse. P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P312: Call a POISON CENTER or doctor/physician if you feel unwell. P337 + P313: If eye irritation persists: Get medical advice/attention. P391: Collect spillage.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1. Containing the hazardous materials

Substance Name	CAS NO	EC NO	Conc. (%)	Classification
				(REGULATION (EC) No 1272/2008)
Polyether Modified Siloxane	Trade secret	Trade secret	<%95	Eye Damage Cat. 2; H319 Acute Tox. Cat. 4; H332 Aquatic Chronic Cat. 2; H411

### 4. FIRST AID MEASURES

#### 4.1. General advice

If you feel unwell, seek medical advice (show the label where possible). Take off all contaminated clothing immediately.

## Product Name: Densurf SM 105

### 4.2. If inhaled

Remove from exposure, lie down. If breathing is irregular or stopped, administer artificial respiration. Monitor breathing, give oxygen if necessary. Consult a physician.

### 4.3. In case of skin contact

Wash with plenty of water. Consult a physician if necessary.

### 4.4. In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

### 4.5. If swallowed

Consult a physician. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.

## 5. FIREFIGHTING MEASURES

---

### 5.1. General Information

Except for the fireman, people should be removed from the area. Don't stay the dangerous zone without your personal protective equipment.

### 5.2. Extinguishing media

Water spray, Dry powder, Foam, Carbon dioxide (CO<sub>2</sub>)

### 5.3. Non-suitable extinguishing media

None known.

### 5.4. Specific hazards during firefighting

None known.

### 5.5. Hazardous combustions products

Dangerous gases or fumes may occur in case of fire.

## 6. ACCIDENTAL RELEASE MEASURES

---

### 6.1. Personal precautions, protective equipment and emergency procedures

Refer to protective measures listed in sections 7 and 8. Use personal protective equipment. Remove all sources of ignition. Avoid breathing vapours, mist or gas. Ensure adequate ventilation, especially in confined areas. Immediately evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations.

### 6.2. Environmental precautions

Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities. Avoid release to the environment. Refer to special instructions/ Safety data sheets.

## Product Name: Densurf SM 105

### 6.3. Methods for cleaning up

Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations. Clean contaminated surface thoroughly.

## 7. HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Wear personal protective equipment. Avoid contact with skin and eyes. Advice on protection against fire and explosion. Normal measures for preventive fire protection.

### 7.2. Conditions for safe storage, including any incompatibilities

In the original package, keep tightly closed in a dry and cool place.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

DNEL-Values: No data available.

### 8.2. Suitable engineering parameters

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

### 8.3. Personal Protection Equipment

#### 8.3.1. General protection and hygiene applications.

Used only in well ventilated areas.

Keep away from the foods, drinks and animal feed.

Take off your dirty clothes directly.

Wash your hands after handling.

Keep away from contact eye and skin directly.

Don't smoke.

#### 8.3.2. Protection the body

##### 8.3.2.1. Eye-Face Protection

Avoid contact with the skin and the eyes. Tightly fitting safety goggles, Safety glasses with side shields compatible with EN 166.



##### 8.3.2.2. Hand protection

Please take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time., Be aware that in daily use the durability of a chemical resistant protective glove can



## Product Name: Densurf SM 105

be notably shorter than the breakthrough time measured according to EN 374, due to the numerous outside influences (e.g., temperature).

### 8.3.2.3. Skin and body protection

Body protection must be chosen based on the level of activity and exposure. Protective suits should be durable for chemical and physical conditions.



### 8.3.2.4. Respiratory protection

No personal respiratory protective equipment is normally required. In inadequately ventilated areas, where workplace limits are exceeded, where unpleasant odors exist or where aerosols are in use, or smoke and mist occur, use a self-contained breathing apparatus or breathing apparatus with a type filter or appropriate combined filter in compliance with EN 141.



### 8.3.3. Heat effects

If the material is heat-critical, the personal protective equipment must be chosen more carefully.

### 8.3.4. Environmental exposure controls

The obligations around the existing legislation for the protection of the environment must be met in full.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### General information

Appearance	: No data available
Odor	: Characteristic
<b>Other information</b>	
Density	: No data available
Solubility	: No data available
Viscosity	: No data available
Ionic structure	: No data available
Solid Content (160°C)	: No data available
pH (20°C)	: No data available
Surface Tension	: No data available
Flash Point	: No data available
Boiling Point	: No data available
Vapor Pressure	: No data available
Explosibility	: Non explosive

## Product Name: Densurf SM 105

### 10. STABILITY AND REACTIVITY

---

<b>Chemical stability</b>	: Stable at normal ambient temperature and pressure.
<b>Possibility of hazardous reactions</b>	: None known.
<b>Conditions to avoid</b>	: Direct heating, dirt, chemical contamination, sunlight, UV or ionizing radiation.
<b>Incompatible materials to avoid</b>	: None known.
<b>Hazardous decomposition products</b>	: No decomposition if stored normally.

### 11. TOXICOLOGICAL INFORMATION

---

<b>Acute oral toxicity</b>	: LD50 Rat> 2.000 mg/kg
<b>Acute dermal toxicity</b>	: LD50 Rat> 2.000 mg/kg
<b>Eye irritation</b>	: Rabbit; Irritating
<b>Skin irritation</b>	: Rabbit; Irritating
<b>Long term effect</b>	: Not known.

### 12. ECOLOGICAL INFORMATION

---

<b>Toxicity</b>	: Daphnia 48h EC <sub>50</sub> : 37 mg/l Zebrafish (brachydaniorerio) 96h LC <sub>50</sub> : 2,75 mg/l Zebrafish (brachydaniorerio) NOEC: 0,56 mg/l Bluegill (Iepomismacrochirus) 96h LC <sub>50</sub> : 6 mg/l Yeşil Alg (selenastrumcapricornutum) 48h EC <sub>50</sub> : 5,5 mg/l
<b>Biodegradability</b>	: Not easily biodegradable
<b>Bioaccumulative potential</b>	: Generally, there is no test data for the product.
<b>Other adverse effects</b>	: It can be toxic for aquatic organisms.

The raw material SDSs are taken into consideration while preparing the document.

### 13. DISPOSAL CONSIDERATIONS

---

Dispose of in accordance with local, state and federal government regulations.

All materials that come in contact with the product must either be set aside for recovery or disposed of as a hazardous substance/material. Do not let the product enter waters, waste water or soil.

### 14. TRANSPORT INFORMATION

---

#### Transport Information

<b>Land Transport ADR/RID Class</b>	: 9
<b>Packaging Group</b>	: III
<b>UN No</b>	: 3082
<b>Transport Name</b>	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
<b>Maritime Transport IMDG Class</b>	: 9 III

## Product Name: Densurf SM 105

3082  
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

### Air Transportation

ICAO-TI and IATA-DGR : 9  
III  
3082  
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

Special precautions for user : -

## 15. REGULATORY INFORMATION

---

Classification, Labelling and Packaging of Substances and Mixtures with EU Regulation (CE) 1272/2008

Regulation on Registration, Evaluation, Permission and Restriction of Chemicals (23.06.2017-30105)

Regulation about Preparing of Safety Data Sheets of Hazardous Substances and Mixtures (13.12.2014-29204)

Regulation about Occupational Health and Safety (18.12.2014 -29209)

Occupational Health and Safety Requirements for Handling of Carcinogenic and Mutagenic Chemicals (06.08.2013 -28730)

Occupational Health and Safety Requirements for Handling of Chemicals (12.08.2013 -28733)

Personal Protective Equipment at Work Regulations (02.07.2013 -28695)

Manual Handling Regulations (24.07.2013 -28717)

Regulation about Prevent and decreasing of Major Industrial Accidents (02.08.2016-29789)

Waste legislation and regulations (02.04.2015 -29314)

## 16. OTHER INFORMATION

---

### 16.1. Full text of H-Statements referred to under sections 2 and 3.

H319: Causes serious eye irritation.

H332: Harmful If inhaled.

H411: Toxic to aquatic life with long lasting effects.

### 16.2. Text of P-phrases mentioned in Section 3

P264: Wash with water thoroughly after handling.

P270: Do not eat, drink or smoke when using this product.

P261: Avoid breathing dust/fume/gas/mist/vapors/spray.

P271: Use only outdoors or in a well-ventilated area.

P280: Wear protective gloves/ protective clothing/ eye protection/ face protection.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

## Product Name: Densurf SM 105

P362: Take off contaminated clothing and wash before reuse.

P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P312: Call a POISON CENTER or doctor/physician if you feel unwell.

P337 + P313: If eye irritation persists: Get medical advice/attention.

P391: Collect spillage.

### 16.3. Key information source used in the safety data sheet

The raw material SDSs and national/international regulations are taken into consideration while preparing the document.

### 16.4. Abbreviations

LC...	: %50 Lethal Concentration
LD...	: %50 Lethal Dose
DNEL	: Derived No-Effect Level
PNEC	: Predicted No Effect Concentration
NOAEL	: No observable adverse effect level
NOEL/NOEC	: No Observed-effect level/concentration
EC...	: Effect concentration
ADR	: European Agreement Concerning the International Carriage of Dangerous Goods by Road
IATA	: International Air Transport Association
IMDG	: International Maritime Dangerous Goods

### 16.5. Preparing and Revision Information

Preparing Date : 01.04.2020

Revision Number : 00

Revision Reason : -

#### Prepared by;

Name : Merve Asli AYKIRI

Document Number : NBC /01.152.05

Validity Date : 30.03.2021

Communication information : certificate@dengekimya.com

### 16.6. General Using Information

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. This safety datasheet only contains information relating to safety and does not replace any product information or product specification.