

Product Name: DENSURF SM 220

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

1.1. Product Description

Product Name : DENSURF SM 220

Chemical Family : -

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

DENSURF SM 220 is a silicone-free surface-active flow additive and color acceptance improver for aqueous systems based on emulsions and aqueous resins.

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 DÜVENÇİ

1.4. Emergency telephone number

First Aid : 112
Fire Station : 110
Poison information center : 114

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (REGULATION (EC) No 2015/830)

Physicochemical effect : Not related.

Human health : Not related.

Environmental effect : Not related.

2.2. Label elements

Labelling (REGULATION (EC) No 2015/830)

Product Name: DENSURF SM 220

Product Label (REGULATION (EC) No 2015/830)	
None	
Signal word	None
Hazard statements	None
Precautionary Statements	P280: Wear protective gloves/ protective clothing/ eye protection/ face protection.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Containing the hazardous materials

Substance Name	CAS NO	EC NO	Conc. (%)	Classification
				(REGULATION (EC) No 1272/2008)
Castor oil, ethoxylated	Trade secret	-	> 90	Not classified.

4. FIRST AID MEASURES

4.1. General advice

If you feel unwell, seek medical advice (show the label where possible).

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 off immediately with plenty of water. Consult a physician if necessary. Chemical burns should be treated immediately by a doctor.

4.4. In case of eye contact

Rinse thoroughly with plenty of water a couple of minutes and consult a physician.

4.5. If swallowed

Consult a physician. Gargle mouth with water. 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

No data available.

Product Name: DENSURF SM 220

5.3. Non suitable extinguishing media

No data available.

5.4. Specific hazards during firefighting

Dangerous gases or fumes may occur in case of fire.

5.5. Hazardous combustions products

Carbon dioxide (CO₂) and Carbon monoxide (CO) 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.

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. Normal measures for preventive fire protection. Take precautionary measures against static discharges. Avoid aerosol formation. When aerosol is formed, special safety measures (absorbition, breathing mask) are required. Keep away from sources of ignition and do not smoke.

7.2. Conditions for safe storage, including any incompatibilities

In original package, keep tightly closed in a dry and cool place. Avoid direct sunlight. Store in original box.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

DNEL-value: No data available.

Product Name: DENSURF SM 220

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.

Use 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 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 structure of personal protective equipment must be chosen more carefully.

Product Name: DENSURF SM 220

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	: Yellowish paste
Odor	: No data available
Other information	
Density	: No data available
Solubility	: No data available
Viscosity	: No data available
Ionic structure	: No data available
Solid Content (120°C, %)	: No data available
pH (25°C, %5)	: 6,5 ± 1,5
Flash Point	: No data available
Boiling Point	: No data available
Vapor Pressure	: No data available

10. STABILITY AND REACTIVITY

Chemical stability	: The product is stable.
Possibility of hazardous reactions	: In suitable storage and use, hazardous reactions are not known.
Conditions to avoid	: No data available
Incompatible materials to avoid	: No data available
Hazardous decomposition products	: Carbon dioxide (CO ₂) and Carbon monoxide (CO) may occur in case of fire.

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity	: No data available
Acute dermal toxicity	: No data available
Eye irritation	: No data available
Skin irritation	: No data available
Long term effect	: No data available.

12. ECOLOGICAL INFORMATION

Toxicity	: No data available.
Biodegradability	: No data available.
Bio accumulative potential	: No data available.
Other adverse effects	: No data available.

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

Product Name: DENSURF SM 220

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

According the transportation of hazardous substances for national and international regulation, this substance is not classified as hazardous substance for transportation. Keep away from food and animal feeds.

Transport Information

Land Transport ADR/RID Class : This product is not regarded as dangerous goods transport of dangerous goods.

Packaging Group : -

UN No : -

Transport Name : -

Maritime Transport IMDG Class : -

Air Transportation

ICAO-TI and IATA-DGR : -

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 Kimyasal (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)

Product Name: DENSURF SM 220

16. OTHER INFORMATION

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

H226: Flammable liquid and vapor.

H361: Suspected of damaging fertility or the unborn child.

H413: May cause long lasting harmful effects to aquatic life.

16.2. 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.

16.3. 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

16.4. Preparing and Revision Information

Preparing Date : 28.05.2021

Revision Number : 00

Revision Reason : -

Prepared by;

Name : Merve Aslı Düvenci

Document Number : LONCA KDU 65/2021.10

Validity Date : 06.03.2026

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.