

## Product Name: DENSURF DA 413

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

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#### 1.1. Product Description

**Product Name** : DENSURF DA 413  
**Chemical Family** : Pigment affinity dispersant

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

The product is used as wetting and dispersing agent for solvent-based paints.

#### 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

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

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

**Physicochemical effect** : Flammable Liquid Cat. 3; H226 Flammable liquid and vapor


**Human health** : Skin irritation Cat. 2; H315 Causes skin irritation.

**Environmental effect** : Not related.

#### 2.2. Label elements

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

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| Product Label (REGULATION (EC) No 1272/2008)                                      |  |
|---|--|
|  |  |
| Signal word   | Danger   |
| Hazard statements   | H226: Flammable liquid and vapor.<br>H315: Causes skin irritation.   |
| Precautionary Statements  | <p>P201: Obtain special instructions before use.</p> <p>P202: Do not handle until all safety precautions have been read and understood.</p> <p>P210: Keep away from heat/sparks/open flames/hot surfaces. — No smoking.</p> <p>P233: Keep container tightly closed.</p> <p>P240: Ground/bond container and receiving equipment.</p> <p>P241: Use explosion-proof electrical/ventilating/lighting/.../equipment</p> <p>P264: Wash face, hands and any exposed skin thoroughly after handling.</p> <p>P280: Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P281: Use personal protective equipment as required.</p> <p>P242: Use only non-sparking tools.</p> <p>P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.</p> <p>P308+P313: IF exposed or concerned: Get medical advice/attention</p> <p>P332+P313: If skin irritation occurs: Get medical advice/attention.</p> <p>P362: Take off contaminated clothing and wash before reuse.</p> <p>P403 + P235: Store in a well-ventilated place. Keep cool</p> <p>P501: Dispose of contents/container to...</p> |

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1. Containing the hazardous materials

| Substance Name | CAS NO    | EC NO     | Conc. (%) | Classification  |
|----------------|-----------|-----------|-----------|---|
|                |           |           |           | (REGULATION (EC) No 1272/2008)  |
| Xylene         | 1330-20-7 | -         | <30-36%   | Flam. Liq. Cat. 3; H226<br>Acute Tox. Cat. 4; H332<br>Acute Tox. Cat. 4; H312<br>Skin Irritation Cat. 2; H315 |
| Butyl acetate  | 123-86-4  | 204-658-1 | <14%      | Flam. Liq. Cat 3; H226<br>STOT SE Cat. 3; H336  |

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|              |          |   |       |  |
|--------------|----------|---|-------|--|
| Ethylbenzene | 100-41-4 | - | <%5,5 | Flam. Liq. Cat 2; H225<br>Acute Tox. Cat 4; H332 |
|--------------|----------|---|-------|--|

### 4. FIRST AID MEASURES

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#### 4.1. General advice

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

#### 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.

#### 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

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#### 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

Dry powder, alcohol-resistant foam, carbon dioxide (CO<sub>2</sub>)

#### 5.3. Non suitable extinguishing media

Never use pressurized water or water spray to extinguish the fire. Water can only be used to keep the area cool and to cool closed containers.

#### 5.4. Specific hazards during firefighting

Dangerous gases or fumes may occur in case of fire.

#### 5.5. Hazardous combustions products

Carbon oxides.

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### 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. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. 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 a container for disposal according to local/national regulations. Clean contaminated surfaces thoroughly.

### 7. HANDLING AND STORAGE

#### 7.1. Precautions for safe handling

Avoid contact with skin and eyes. Wear protective gloves/ protective clothing/ eye protection/ face protection. Normal measures for preventive fire protection. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Use explosion-proof electrical/ventilating/lighting/.../equipment

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

In original package, keep tightly closed in a dry and cool place. Avoid from moisture. Keep away from heat/sparks/open flames/hot surfaces. Keep away from oxidizing agents.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1. Control parameters

| Material      | CAS-No.   |      | Time   | Limits                                  |
|---------------|-----------|------|--------|---|
| Xylene        | 1330-20-7 | TWA  | 8 hour | 221 mg/m <sup>3</sup> (skin)<br>50 ppm  |
|               |           | STEL | 15 min | 442 mg/m <sup>3</sup> (skin)<br>100 ppm |
| Ethyl benzene | 100-41-4  | TWA  | 8 hour | 442 mg/m <sup>3</sup> (skin)<br>50 ppm  |
|               |           | STEL | 15 min | 884 mg/m <sup>3</sup> (skin)<br>100 ppm |

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Since this product contains components with exposure limits, it is necessary to carry out measurements, monitoring and monitoring of workers, the work environment or the environment.

### 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 eyes 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.



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### 8.3.3. Heat effects

If the material 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                        | : Slight yellowish/clear liquid                 |
| Odor                              | : Characteristic                                |
| <b>Other information</b>          |   |
| Density (20°C g/cm <sup>3</sup> ) | : 0,980±0,02                                    |
| Solubility                        | : It can be mixed with common organic solvents. |
| Viscosity (25 °C)                 | : 50±50 mpas                                    |
| Ionic structure                   | : No data available                             |
| Solid content (125°C)             | : %50±1   |
| pH (20°C)                         | : No data available                             |
| Flash Point                       | : <27°C   |
| Boiling Point                     | : No data available                             |
| Vapor Pressure                    | : No data available                             |
| Explosibility                     | : Non explosive                                 |

## 10. STABILITY AND REACTIVITY

- Chemical stability** : Stable at normal ambient temperature and pressure.
- Possibility of hazardous reactions** : Stable under proper operating and storage conditions.
- Conditions to avoid** : Heat, flame or sparks, direct sunlight or moisture.
- Incompatible materials to avoid** : Strong oxidizing agents. Metal alkyl oxide, metal hydride, inorganic peroxide, nitrate and halogens oxyacid salts.
- Hazardous decomposition products**: Under normal conditions of storage and use, hazardous decomposition products are not expected.

## 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.

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### 12. ECOLOGICAL INFORMATION

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|                                   |   |
|-----------------------------------|---|
| <b>Toxicity</b>                   | : No data available.  |
| <b>Biodegradability</b>           | : No data available.  |
| <b>Bio accumulative potential</b> | : No data available.  |
| <b>Other adverse effects</b>      | : According to our experiences, it is not expected to cause long term effect. |

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

### 13. DISPOSAL CONSIDERATIONS

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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

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#### Transport Information

|                                      |  |
|--------------------------------------|--|
| <b>Land Transport ADR/RID Class</b>  | : 3  |
| <b>Packaging Group</b>               | : III  |
| <b>UN No</b>                         | : UN 1993  |
| <b>Transport Name</b>                | : Flammable Liquid, N.O.S./ Alevlenebilir Sıvı, B.B.B. (Ksilen)                        |
| <b>Maritime Transport IMDG Class</b> | : 3<br>III<br>UN 1993<br>Flammable Liquid, N.O.S./ Alevlenebilir Sıvı, B.B.B. (Ksilen) |
| <b>Air Transportation</b>            |  |
| <b>ICAO-TI and IATA-DGR</b>          | : 3<br>III<br>UN 1993<br>Flammable Liquid, N.O.S./ Alevlenebilir Sıvı, B.B.B. (Ksilen) |
| <b>Special precautions for user</b>  | :  |

### 15. REGULATORY INFORMATION

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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)

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

Personal Protective Equipment at Work Regulations (02.08.2016-29789)

Manual Handling Regulations (24.07.2013 -28717)

Regulation about Prevent and decreasing of Major Industrial Accidents (30.12.2013-28867)

### 16. OTHER INFORMATION

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

H226: Flammable liquid and vapor

H225: Highly flammable liquid and vapour.

H315: Causes skin irritation

H336: May cause drowsiness or dizziness.

H332: Harmful if inhaled

#### 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 : 19.11.2019

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Revision Reason : Density

#### Prepared by;

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*Regulation on Safety Data Sheets Regarding Hazardous Substances and Mixtures (RG.-13/12 / 2014-29204) and conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Regulation (EU) No. 2015/830*

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**Revision No** : 04

**Revision Date** : 10.12.2021

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### 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 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.