

## 1 Identification of substance

- **Product details:**
- **Trade name:** Dapro DF 880
- **Article number:** 4080
- **Application of the substance / the preparation** Defoamers, Anti-foaming agent
- **Manufacturer/Supplier:**  
Elementis Specialties  
p/a Elementis Service Centre N.V.  
Pegasus Park  
De Kleetlaan 12A - P.O. Box 3  
B-1831 Diegem, Belgium  
Tel: +32 (0) 2 790 76 00  
Fax: +32 (0) 2 790 76 60
- **Informing department:**  
Elementis Specialties  
400 Claremont Avenue  
Jersey City, NJ 07304  
USA  
Tel.: +1 201-432-0800  
Environment, Health & Safety Department
- **Emergency information:** Chemtrec +1-800-424-9300

## 2 Composition/Data on components

- **Chemical characterization:**
- **Description:** Mixture consisting of the following components.

- **Dangerous components:**

CAS: 64741-65-7 EINECS: 265-067-2	Naphtha (petroleum), heavy alkylate	Xn; R 65	2.5-10%
CAS: 71-36-3 EINECS: 200-751-6	butan-1-ol	Xn; R 10-22-37/38-41-67	2.5-10%

- **Additional information:**  
For components with critical values that require monitoring at the workplace see Section 8  
For the wording of the listed risk phrases refer to section 16.

## 3 Hazards identification

- **Hazard designation:** none
- **Information pertaining to particular hazards for man and environment:**  
Flammable  
The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.  
R 10 Flammable.
- **Classification system:**  
The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

## 4 First aid measures

- **General information:** Remove any clothing soiled by the product.
- **After inhalation:**  
Supply fresh air and call for doctor for safety reasons.  
In case of unconsciousness bring patient into stable side position for transport.
- **After skin contact:** Instantly rinse with water.

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- **After eye contact:**  
Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.
- **After swallowing:** In case of persistent symptoms consult doctor.

### 5 Fire fighting measures

- **Suitable extinguishing agents:**  
CO<sub>2</sub>, extinguishing powder or water jet. Fight larger fire with alcohol-resistant foam.  
CO<sub>2</sub>, sand, extinguishing powder. Do not use water.
- **For safety reasons unsuitable extinguishing agents:**  
Water.  
Water with a full water jet.
- **Protective equipment:** No special measures required.

### 6 Accidental release measures

- **Person-related safety precautions:**  
Ensure adequate ventilation  
Wear protective equipment. Keep unprotected persons away.
- **Measures for environmental protection:** No special measures required.
- **Measures for cleaning/collecting:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose of contaminated material as waste according to item 13.  
Ensure adequate ventilation.  
Do not flush with water or aqueous cleansing agents
- **Additional information:**  
See Section 7 for information on safe handling  
See Section 8 for information on personal protection equipment.  
See Section 13 for information on disposal.

### 7 Handling and storage

- **Handling:**
- **Information for safe handling:** Ensure good ventilation/exhaustion at the workplace.
- **Information about protection against explosions and fires:**  
Keep ignition sources away - Do not smoke.  
Protect from heat.  
Protect against electrostatic charges.
- **Storage:**
- **Requirements to be met by storerooms and containers:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**  
Keep container tightly sealed.  
Store in cool, dry conditions in well sealed containers.  
Protect from heat and direct sunlight.

### 8 Exposure controls and personal protection

- **Additional information about design of technical systems:** No further data; see item 7.

- **Components with critical values that require monitoring at the workplace:**

71-36-3 butan-1-ol

OES	Short-term value: 154 mg/m <sup>3</sup> , 50 ppm
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- **Additional information:** The lists that were valid during the compilation were used as basis.

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- **Personal protective equipment:**
- **General protective and hygienic measures:**  
Keep away from foodstuffs, beverages and food.  
Instantly remove any soiled and impregnated garments.  
Wash hands during breaks and at the end of the work.  
Avoid contact with the eyes and skin.
- **Breathing equipment:**  
Filter P1.  
In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.
- **Protection of hands:**  
Protective gloves.  
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.  
Selection of the glove material on 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. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material**  
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Tightly sealed safety glasses.
- **Body protection:** Protective work clothing.

## 9 Physical and chemical properties

### · General Information

<b>Form:</b>	Fluid
<b>Colour:</b>	Dark
<b>Smell:</b>	Characteristic

### · Change in condition:

<b>Melting point/Melting range:</b>	Not determined
<b>Boiling point/Boiling range:</b>	172°C

· **Flash point:** 48°C

· **Ignition temperature:** 450.0°C

· **Self-flammability:** Product is not selfigniting.

· **Danger of explosion:** Product is not explosive. However, formation of explosive air/steam mixtures is possible.

### · Critical values for explosion:

<b>Lower:</b>	0.6 Vol %
<b>Upper:</b>	6.0 Vol %
<b>Density at 20°C:</b>	0.86 g/cm <sup>3</sup>

### · Solubility in / Miscibility with

**Water:** Insoluble

## 10 Stability and reactivity

- **Thermal decomposition / Conditions to be avoided:** No decomposition if used according to specifications.
- **Dangerous reactions:** No dangerous reactions known

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· **Dangerous products of decomposition:** No dangerous decomposition products known

## 11 Toxicological information

· **Acute toxicity:**· **LD/LC50 values that are relevant for classification:****64741-65-7 Naphtha (petroleum), heavy alkylate**

Oral	LD50	>2000 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rabbit)
Inhalative	LC50/4 h	>5 mg/l (-)

· **Primary irritant effect:**· **on the skin:** No irritant effect.· **on the eye:** No irritant effect.· **Sensitization:** No sensitizing effect known.· **Additional toxicological information:**

The product is not subject to classification according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:

## 12 Ecological information

· **Ecotoxicological effects**· **Acquatic toxicity:****64741-65-7 Naphtha (petroleum), heavy alkylate**

l < EC50 Bakterien	>1000 mg/l (-)
l < IC50 Algen	>1000 mg/l (-)
l < LC50 Fisch	>1000 mg/l (-)

· **General notes:**

Water hazard class 2: hazardous for water.

Do not allow product to reach ground water, water bodies or sewage system.

Danger to drinking water if even small quantities leak into soil.

## 13 Disposal considerations

· **Product:**· **Recommendation:**

Must be specially treated under adherence to official regulations.

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

· **European waste catalogue**

07 00 00	WASTES FROM ORGANIC CHEMICAL PROCESSES
07 01 00	wastes from the manufacture, formulation, supply and use (MFSU) of basic organic chemicals
07 01 99	wastes not otherwise specified

· **Uncleaned packagings:**· **Recommendation:** Dispose of packaging according to regulations on the disposal of packagings.

## 14 Transport information

· **Land transport ADR/RID and GGVS/GGVE (cross-border/domestic):**· **ADR/RID-GGVS/E Class:** 3 Flammable liquids.· **Kemler Number:** 30· **UN-Number:** 1993· **Packaging group:** III

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- **Label** 3
- **Designation of goods:** 1993 FLAMMABLE LIQUID, N.O.S. (not viscous) (Naphtha (petroleum), heavy alkylate, BUTANOLS)
- **IMDG/GGVSea Class:** 3
- **UN Number:** 1993
- **Label** 3
- **Packaging group:** III
- **EMS Number:** F-E,S-E
- **Marine pollutant:** No
- **Correct technical name:** FLAMMABLE LIQUID, N.O.S. (Isoparaffins, BUTANOLS)
- **ICAO/IATA Class:** 3
- **UN/ID Number:** 1993
- **Label** 3
- **Packaging group:** III
- **Correct technical name:** FLAMMABLE LIQUID, N.O.S. (Isoparaffins, BUTANOLS)

### \* 15 Regulatory information

- **Designation according to EC guidelines:**
  - **Risk phrases:**  
10 Flammable.
  - **Safety phrases:**  
7/9 Keep container tightly closed and in a well-ventilated place.  
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
37/39 Wear suitable gloves and eye/face protection.  
60 This material and its container must be disposed of as hazardous waste.
  - **National regulations:**
  - **Technical instructions (air):**
- | Class | Share in %: |
|-------|-------------|
| III   | 9.7         |
- **Water hazard class:** Water hazard class 2: hazardous for water.

### 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

- **Relevant R-phrases**  
10 Flammable.  
22 Harmful if swallowed.  
37/38 Irritating to respiratory system and skin.  
41 Risk of serious damage to eyes.  
65 Harmful: may cause lung damage if swallowed.  
67 Vapours may cause drowsiness and dizziness.
- **Contact:**  
HS&E Department  
tel: +32 (0)2 790 76 32  
fax: +32 (0)2 790 76 61
- **\* Data compared to the previous version altered.**