



## 1 Identification of the substance/preparation and of the company/undertaking

- **Product details**
- **Trade name:** **Faigle Ethanol - Reinigungslösung**
- **Application of the substance / the preparation** Cleaning material/ Detergent
- **Manufacturer/Supplier:**  
Willy Faigle GmbH + Co  
A - 6912 Hörbranz, Krüzastrasse 1  
Tel.: +43 / 5573 / 85899, Fax: 85800 - 4  
E Mail: office@bueffel.at, [www.bueffel.at](http://www.bueffel.at)
- **Further information obtainable from:**  
Abteilung Produktsicherheit  
Ansprechpartner: Herr Peter Faigle, Tel.: +43 / 5573 / 85899, office@bueffel.at
- **Information in case of emergency:**  
Vergiftungsinformationszentrale für Österreich an der 1. Medizinischen Universitätsklinik,  
A - 1090 Wien, Währinger Gürtel 10 - 20, Tel.: 01 / 406 43 43 - 0

## 2 Hazards identification

- **Hazard description:**



F Highly flammable

- **Information concerning particular hazards for human and environment:**  
R 11 Highly flammable.

## 3 Composition/information on ingredients

- **Chemical characterization:**
- **CAS No. Description**  
64-17-5 ethanol
- **Identification number(s)**
- **EINECS Number:** 200-578-6
- **Index number:** 603-002-00-5

- **Chemical characterization**

- **Dangerous components:**

CAS: 78-93-3 EINECS: 201-159-0	butanone	☒ Xi, ☒ F; R 11-36-66-67	≤ 2.5%
CAS: 64-17-5 EINECS: 200-578-6	ethanol	☒ F; R 11	50-100%

## 4 First aid measures

- **General information:** Immediately remove any clothing soiled by the product.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**  
Immediately wash with water and soap and rinse thoroughly.  
If skin irritation continues, consult a doctor.
- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:**  
Do not induce vomiting; call for medical help immediately.  
A person vomiting while laying on their back should be turned onto their side.

GB

(Contd. on page 2)



Trade name: Faigle Ethanol - Reinigungslösung

(Contd. of page 1)

## 5 Fire-fighting measures

- **Suitable extinguishing agents:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Protective equipment:**  
Wear self-contained respiratory protective device.  
Do not inhale explosion gases or combustion gases.

## 6 Accidental release measures

- **Person-related safety precautions:**  
Wear protective equipment. Keep unprotected persons away.  
Product forms slippery surface when combined with water.
- **Measures for environmental protection:** Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Ensure adequate ventilation.
- **Additional information:** See Section 7 for information on safe handling.

## 7 Handling and storage

- **Handling:**
- **Information for safe handling:** Keep receptacles tightly sealed.
- **Information about fire - and explosion protection:**  
Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**  
Store in a cool location.  
Store only in the original receptacle.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:**  
Keep container tightly sealed.  
Store in cool, dry conditions in well sealed receptacles.
- **Recommended storage temperature:** 5°C - 25 °C

## 8 Exposure controls/personal protection

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

- **Ingredients with limit values that require monitoring at the workplace:**

### 64-17-5 ethanol

WEL Long-term value: 1920 mg/m<sup>3</sup>, 1000 ppm

### 78-93-3 butanone

WEL Short-term value: 899 mg/m<sup>3</sup>, 300 ppm  
Long-term value: 600 mg/m<sup>3</sup>, 200 ppm  
Sk

- **Additional information:** The lists valid during the making were used as basis.
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
The usual precautionary measures are to be adhered to when handling chemicals.  
Immediately remove all soiled and contaminated clothing  
Wash hands before breaks and at the end of work.  
Avoid contact with the eyes and skin.

(Contd. on page 3)



**Trade name: Faigle Ethanol - Reinigungslösung**

(Contd. of page 2)

Do not eat or drink while working.

- **Respiratory protection:** Not necessary if room is well-ventilated.
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

- **Material of gloves**

Butyl rubber, BR

Nitrile rubber, NBR

- **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 goggles

- **Body protection:** Protective work clothing

## 9 Physical and chemical properties

- **General Information**

<b>Form:</b>	Fluid
<b>Colour:</b>	Colourless
<b>Odour:</b>	Alcohol-like

- **Change in condition**

**Melting point/Melting range:** -114.5°C

**Boiling point/Boiling range:** 78°C

- **Flash point:** 13°C

- **Ignition temperature:** 425°C

- **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

- **Explosion limits:**

**Lower:** 3.5 Vol %

**Upper:** 15 Vol %

- **Vapour pressure at 20°C:** 59 hPa

- **Density at 20°C:** 0.79 g/cm<sup>3</sup>

- **Solubility in / Miscibility with**

**water at 20°C:** 1 g/l  
Fully miscible.

- **Viscosity:**

**Dynamic at 20°C:** 1 mPas

**Organic solvents:** 100.0 %

## 10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

(Contd. on page 4)



Trade name: Faigle Ethanol - Reinigungslösung

(Contd. of page 3)

- **Dangerous reactions** No dangerous reactions known.
- **Dangerous decomposition products:** No dangerous decomposition products known.

## 11 Toxicological information

- **Acute toxicity:**

- **LD/LC50 values relevant for classification:**

### 64-17-5 ethanol

Oral	LD50	7060 mg/kg (rat)
Inhalative	LC50/4 h	20000 mg/l (rat)

- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.

## 12 Ecological information

- **General notes:**

Water hazard class 1 (German Regulation) (Assessment by list): slightly hazardous for water

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

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

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

## 13 Disposal considerations

- **Product:**

- **Recommendation**

Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with Local Authority requirements.

- **Uncleaned packaging:**

- **Recommendation:**

Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

## 14 Transport information

- **Land transport ADR/RID (cross-border)**



- **ADR/RID class:** 3 Flammable liquids.
- **Danger code (Kemler):** 33
- **UN-Number:** 1993
- **Packaging group:** II
- **Hazard label:** 3

(Contd. on page 5)



**Trade name: Faigle Ethanol - Reinigungslösung**

(Contd. of page 4)

· **Description of goods:** 1993 FLAMMABLE LIQUID, N.O.S. (ETHANOL (ETHYL ALCOHOL))

· **Maritime transport IMDG:**



- **IMDG Class:** 3
- **UN Number:** 1993
- **Label** 3
- **Packaging group:** II
- **EMS Number:** F-E,S-E
- **Marine pollutant:** No
- **Proper shipping name:** FLAMMABLE LIQUID, N.O.S. (ETHANOL (ETHYL ALCOHOL))

· **Air transport ICAO-TI and IATA-DGR:**



- **ICAO/IATA Class:** 3
- **UN/ID Number:** 1993
- **Label** 3
- **Packaging group:** II
- **Proper shipping name:** FLAMMABLE LIQUID, N.O.S. (ETHANOL)

## 15 Regulatory information

· **Labelling according to EU guidelines:**

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

· **Code letter and hazard designation of product:**



F Highly flammable

· **Risk phrases:**

11 Highly flammable.

· **Safety phrases:**

2 Keep out of the reach of children.

7/9 Keep container tightly closed and in a well-ventilated place.

16 Keep away from sources of ignition - No smoking.

46 If swallowed, seek medical advice immediately and show this container or label.

56 Dispose of this material and its container to hazardous or special waste collection point.

## 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**

11 Highly flammable.

36 Irritating to eyes.

66 Repeated exposure may cause skin dryness or cracking.

67 Vapours may cause drowsiness and dizziness.

· **Contact:** Herr Peter Faigle