

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

- **Product details**
- **Trade name:** Deprit 2
- **Article number:** 2240
- **Application of the substance / the preparation** Postspotting agent for textile cleaning
- **Manufacturer/Supplier:**
Chemische Fabrik Kreussler & Co. GmbH
Postfach 120454
D-65082 Wiesbaden
- **Further information obtainable from:**
Abteilung TQM
Herr Vogel
+49 (0) 611 9271-175
Stefan.Kopp@kreussler.com
- **Information in case of emergency:** +49 (0) 611 9271-0

* 2 Hazards identification

- **Hazard description:**
Xi Irritant
- **Information concerning particular hazards for human and environment:**
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.
Has a narcotizing effect.
R 10 Flammable.
R 41 Risk of serious damage to eyes.
R 67 Vapours may cause drowsiness and dizziness.
- **Classification system:**
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

* 3 Composition/information on ingredients

- **Chemical characterization**
- **Description:** Mixture of substances listed below with nonhazardous additions.

· **Dangerous components:**

CAS: 123-86-4 EINECS: 204-658-1	n-butyl acetate R 10-66-67	30-50%
CAS: 112-07-2 EINECS: 203-933-3	2-butoxyethyl acetate Xn; R 20/21	15-30%
CAS: 112-34-5 EINECS: 203-961-6	2-(2-butoxyethoxy)ethanol Xi; R 36	5.0-15%
CAS: 1322-98-1 EINECS: 270-115-0	Benzolsulfonsäure, C 10-13-Alkylderivate, Natriumsalze Xn, Xi; R 22-36/38	5.0-15%
CAS: 577-11-7 EINECS: 209-406-4	Sulfosuccinat-sodiumsalt Xi; R 38-41	5.0-15%
CAS: 69011-36-5 Polymer	alcohols C13 branched, ethoxylated Xn, Xi; R 22-36/38	1.0-5.0%

· **Ingredients according to detergent regulation EC 648/2004**

anionic surfactants	5 - 15%
non-ionic surfactants, amphoteric surfactants	< 5%

- **Additional information:** For the wording of the listed risk phrases refer to section 16.

4 First-aid measures

- **General information:** Immediately remove any clothing soiled by the product.

(Contd. on page 2)

Trade name: Deprit 2

(Contd. of page 1)

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**
Rinse with warm water.
Generally the product does not irritate the skin.
- **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.

5 Fire-fighting measures

- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards caused by the substance, its products of combustion or resulting gases:**
In case of fire, the following can be released:
Carbon monoxide (CO)
- **Protective equipment:** Use normal protective clothing.
- **Additional information**
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.
Protect from heat. Separate storage container, bring them to a safe place. Protect from water and inflammable materials.

6 Accidental release measures

- **Person-related safety precautions:** Wear protective clothing.
- **Measures for environmental protection:** Dilute with plenty of water.
- **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **Additional information:**
No dangerous substances are released.
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

- **Handling:**
- **Information for safe handling:**
Ensure good ventilation/exhaustion at the workplace.
Keep receptacles tightly sealed.
Keep away from heat and direct sunlight.
- **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:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep container tightly sealed.

* 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:	
123-86-4 n-butyl acetate (30-50%)	
WEL	Short-term value: 966 mg/m ³ , 200 ppm Long-term value: 724 mg/m ³ , 150 ppm

(Contd. on page 3)

Trade name: Deprit 2

(Contd. of page 2)

112-07-2 2-butoxyethyl acetate (15-30%)

WEL Short-term value: 50 ppm
Long-term value: 20 ppm
Sk

112-34-5 2-(2-butoxyethoxy)ethanol (5.0-15%)

WEL Short-term value: 101.2 mg/m³, 15 ppm
Long-term value: 67.5 mg/m³, 10 ppm

- **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.
Do not eat, drink, smoke or sniff while working.
Keep away from foodstuffs, beverages and food.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.
- **Respiratory protection:** Not required.
- **Protection of hands:**



Protective gloves

- **Material of gloves**
PVC or PE gloves
Recommended thickness of the material: ≥ 0.4 mm
- **Not suitable are gloves made of the following materials:**
Strong material gloves
Leather gloves
- **Eye protection:**



Tightly sealed goggles

- **Body protection:** Protective work clothing

9 Physical and chemical properties

· General Information

Form: Fluid
Colour: Colourless
Odour: Characteristic

· Change in condition

Melting point/Melting range: Undetermined.
Boiling point/Boiling range: Undetermined.

· **Flash point:** 36°C

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

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

· **Vapour pressure:** Undetermined.

· **Density at 20°C:** 0.96 g/cm³

(Contd. on page 4)

— GB —

Trade name: Deprit 2

(Contd. of page 3)

· Solubility in / Miscibility with water:	Fully miscible.
· pH-value at 20°C:	7.4
· Viscosity: Dynamic at 20°C:	5 mPas
· Solvent content: Organic solvents:	50.0 %

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **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:**

112-07-2 2-butoxyethyl acetate

Oral	LD-50	2400 mg/kg (rat)
Dermal	LD-50	1580 mg/kg (bunny)

- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** Irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:
Harmful

12 Ecological information

- **Information about elimination (persistence and degradability):**
- **Other information:** The product is biodegradable.
- **Ecotoxic effects:**

- **Acquatic toxicity:**

112-07-2 2-butoxyethyl acetate

EC-50	>100 mg/l (Daphnia magna)
	>100 mg/l (Scenedesmus subspicatus)
EC-50 48h	10-100 mg/l (Leuciscus idus)

- **General notes:**
The product may not be released into the environment without control.
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** Dispose of in accordance with Local, State, and Federal Regulations.

(Contd. on page 5)

Trade name: Deprit 2

(Contd. of page 4)

- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

* 14 Transport information

- **Land transport ADR/RID (cross-border)**
- **ADR/RID class:** 3 Flammable liquids.
- **Danger code (Kemler):** 30
- **UN-Number:** 1993
- **Packaging group:** III
- **Hazard label** 3
- **Description of goods:** 1993 FLAMMABLE LIQUID, N.O.S. (not viscous) (BUTYL ACETATES)

- **Maritime transport IMDG:**
- **IMDG Class:** 3
- **UN Number:** 1993
- **Label** 3
- **Packaging group:** III
- **EMS Number:** F-E,S-E
- **Marine pollutant:** No
- **Proper shipping name:** FLAMMABLE LIQUID, N.O.S. (BUTYL ACETATES)

- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** 3
- **UN/ID Number:** 1993
- **Label** 3
- **Packaging group:** III
- **Proper shipping name:** FLAMMABLE LIQUID, N.O.S. (BUTYL ACETATES)

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:**



Xi Irritant

- **Risk phrases:**
 - 10 Flammable.
 - 41 Risk of serious damage to eyes.
 - 67 Vapours may cause drowsiness and dizziness.
- **Safety phrases:**
 - 16 Keep away from sources of ignition - No smoking.
 - 24/25 Avoid contact with skin and eyes.
 - 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 - 36/39 Wear suitable protective clothing and eye/face protection.

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.

The information of Items 4 through 8 and 10 through 12 partially refers not to the use and the proper application of the product (see Directions for Use/Product Information) but to the release of larger quantities in the case of accidents and irregularities.

The information exclusively describes the safety requirements of the product(s) and is based on the

(Contd. on page 6)

Trade name: Deprit 2

(Contd. of page 5)

present state of our experience.

Non-ionic tensides can have varying characteristics and classifications despite same CAS-No.

· **Relevant R-phrases**

- 10 Flammable.
- 20/21 Harmful by inhalation and in contact with skin.
- 22 Harmful if swallowed.
- 36 Irritating to eyes.
- 36/38 Irritating to eyes and skin.
- 38 Irritating to skin.
- 41 Risk of serious damage to eyes.
- 66 Repeated exposure may cause skin dryness or cracking.
- 67 Vapours may cause drowsiness and dizziness.

· **Department issuing MSDS:**

Abteilung TQM
Herr Vogel
+49 (0) 611/9271-175

· **Contact:** Herr Vogel

· *** Data compared to the previous version altered.**

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