

Safety Data Sheet

acc. to OSHA HCS


Printing date 01/13/2015

Reviewed on 01/13/2015

* 1 Identification

- **Product identifier**
- **Trade name:** Deprit Professional 2
- **Article number:** 2298
- **Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the mixture**
Paint, oil , grease, lacquer remover – postspotting agent for textile cleaning
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
- **Manufacturer:**
Chemische Fabrik Kreussler & Co. GmbH
Postfach 120454
D-65082 Wiesbaden
- **Supplier:**
Kreussler Inc., 6103 Johns Road Suit 7, Tampa, FL 33634,
Phone 813-884-1499, Fax 813-884-1599,
Internet: www.kreussler.com, e-mail: office-tampa@kreussler.com
- **Information department:**
Abteilung TQM
Herr Heiko Schmidt
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Heiko.Schmidt@kreussler.com
- **Emergency telephone number:** +49 (0) 611 9271-0

* 2 Hazard(s) identification

- **Classification of the substance or mixture**
Flam. Liq. 3 H226 Flammable liquid and vapour.
Eye Dam. 1 H318 Causes serious eye damage.
Skin Irrit. 2 H315 Causes skin irritation.
STOT SE 3 H336 May cause drowsiness or dizziness.
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**
Irritant
Risk of serious damage to eyes.
Flammable. Vapours may cause drowsiness and dizziness.
- **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.
- **Classification system:**
The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.
- **Label elements**
- **GHS label elements**
The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms**


GHS02 GHS05 GHS07
- **Signal word** Danger
- **Hazard statements**
Flammable liquid and vapour.
Causes skin irritation.

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Causes serious eye damage.

May cause drowsiness or dizziness.

· **Precautionary statements**

Avoid breathing mist/vapours/spray.

Wear protective gloves / eye protection.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If skin irritation occurs: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

If on skin: Wash with plenty of water.

· **Classification system:**

· **NFPA ratings (scale 0 - 4)**



Health = 2

Fire = 3

Reactivity = 0

· **HMIS-ratings (scale 0 - 4)**



Health = 2

Fire = 3

Reactivity = 0

· **Other hazards**

The product does not contain any organic halogen compounds (AOX), nitrates, heavy metal compounds or formaldehydes.

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

* 3 Composition/information on ingredients

· **Chemical characterization: Mixtures**

· **Description:** Mixture of the substances listed below with nonhazardous additions.

· **Dangerous components:**

123-86-4	n-butyl acetate	R10-66-67	30-50%
112-07-2	2-butoxyethyl acetate	Xn R20/21	15-30%
112-34-5	2-(2-butoxyethoxy)ethanol	Xi R36	5.0-15%
97489-15-1	Sulfonic acids, C14-17-sec-alkane, sodium salts	Xn R22; Xi R38-41	5.0-15%
577-11-7	Sulfosuccinat-sodiumsalt	Xi R38-41	5.0-15%
69011-36-5	alcohols C13 branched, ethoxylated	Xn R22; Xi R36/38	1.0-5.0%

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

4 First-aid measures

· **Description of 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:**

Rinse with warm water.

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:** If symptoms persist consult doctor.

· **Information for doctor:**

· **Most important symptoms and effects, both acute and delayed**

No further relevant information available.

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- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

* 5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture**
In case of fire, the following can be released:
Carbon monoxide (CO)
- **Advice for firefighters**
- **Protective equipment:** Use normal protective clothing.
- **Additional information**
Cool endangered receptacles with water spray.
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

* 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **Reference to other sections**
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:**
- **Precautions for safe handling** Store in cool, dry place in tightly closed receptacles.
- **Information about protection against explosions and fires:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep receptacle tightly sealed.
- **Specific end use(s)** No further relevant information available.

* 8 Exposure controls/personal protection

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

· **Components with limit values that require monitoring at the workplace:**

123-86-4 n-butyl acetate (30-50%)

PEL	Long-term value: 710 mg/m ³ , 150 ppm
REL	Short-term value: 950 mg/m ³ , 200 ppm Long-term value: 710 mg/m ³ , 150 ppm
TLV	Short-term value: 950 mg/m ³ , 200 ppm Long-term value: 713 mg/m ³ , 150 ppm

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112-07-2 2-butoxyethyl acetate (15-30%)	
REL	Long-term value: 33 mg/m ³ , 5 ppm
TLV	Long-term value: 130 mg/m ³ , 20 ppm
112-34-5 2-(2-butoxyethoxy)ethanol (5.0-15%)	
TLV	Long-term value: 67.5* mg/m ³ , 10* ppm *Inhalable fraction and vapor

· **Additional information:** The lists that were valid during the creation were used as basis.

· **Exposure controls**

· **Personal protective equipment:**

· **General protective and hygienic measures:**

The usual precautionary measures for handling chemicals should be followed.

Do not eat, drink, smoke or sniff while working.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

· **Breathing equipment:** Not necessary if room is well-ventilated.

· **Protection of hands:**



Protective gloves

· **Material of gloves**

PVC or PE gloves

Recommended thickness of the material: ≥ 0.4 mm

· **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.

· **Not suitable are gloves made of the following materials:**

Leather gloves

Strong gloves

· **Eye protection:**



Tightly sealed goggles

· **Body protection:** Protective work clothing

* 9 Physical and chemical properties

· Information on basic physical and chemical properties	
· General Information	
· Appearance:	
Form:	Fluid
Color:	Colorless
· Odor:	Characteristic
· pH-value at 20 °C (68 °F):	7.4
· Change in condition	
Melting point/Melting range: Undetermined.	
Boiling point/Boiling range: Undetermined.	
· Flash point:	36 °C (97 °F) (ASTMD93(PMCC))
· Auto igniting:	Product is not selfigniting.

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· Danger of explosion:	Product is not explosive. However, formation of explosive air/vapor mixtures are possible.
· Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
· Vapor pressure:	Not determined.
· Density at 20 °C (68 °F):	0.96 g/cm ³ (8.011 lbs/gal)
· Solubility in / Miscibility with Water:	Emulsifiable.
· Viscosity:	
Dynamic at 20 °C (68 °F):	5 mPas
Kinematic:	Not determined.
· Solvent content:	
Organic solvents:	20.0 %
· Other information	No further relevant information available.

* 10 Stability and reactivity

- **Reactivity**
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

* 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

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

123-86-4 n-butyl acetate

Oral	LD-50	10760 mg/kg (rat) (OECD 423)
Dermal	LD-50	>14112 mg/kg (bunny) (OECD 402)
Inhalative	LC-50/4 h	23.4 mg/m ³ (rat) (OECD 403)

112-07-2 2-butoxyethyl acetate

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

112-34-5 2-(2-butoxyethoxy)ethanol

Oral	LD-50	3384 mg/kg (rat)
Dermal	LD-50	2700 mg/kg (bunny)

97489-15-1 Sulfonic acids, C14-17-sec-alkane, sodium salts

Oral	LD-50	>2000 mg/kg (rat)
Dermal	LD-50	>2000 mg/kg (mouse)

577-11-7 Sulfosuccinat-sodiumsalt

Oral	LD-50	1900 mg/kg (rat)
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69011-36-5 alcohols C13 branched, ethoxylated

Oral	LD-50	500-2000 mg/kg (rat)
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- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** Strong irritant with the danger of severe eye injury.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:
Irritant

- **Carcinogenic categories**

· IARC (International Agency for Research on Cancer)
None of the ingredients is listed.
· NTP (National Toxicology Program)
None of the ingredients is listed.
· OSHA-Ca (Occupational Safety & Health Administration)
None of the ingredients is listed.

* 12 Ecological information

- **Toxicity**

· Aquatic toxicity:	
123-86-4 n-butyl acetate	
EC-50 48h	44 mg/l (Daphnia magna)
EC-50 72h	647.7 mg/l (Desmodesmus subspicatus)
IC50 (40h)	356 mg/l (Tetrahymena)
LC-50 96h	18 mg/l (Pimephales promelas) (OECD 203)
NOEC	200 mg/l (Desmodesmus subspicatus)
112-07-2 2-butoxyethyl acetate	
EC-50 24h	>100 mg/l (Daphnia magna)
EC-50 72h	>100 mg/l (Scenedesmus subspicatus)
LC-50 48 h	10-100 mg/L (Leuciscus idus)
112-34-5 2-(2-butoxyethoxy)ethanol	
EC-10 (17 h)	1170 mg/l (Pseudomonas putida)
EC-50 24h	2850 mg/l (Daphnia magna)
LC-50 96h	1300 mg/l (Lepomis macrochirus)
NOEC (96h)	>100 mg/l (Desmodesmus subspicatus)
97489-15-1 Sulfonic acids, C14-17-sec-alkane, sodium salts	
EC-50	9.81 mg/l (Daphnia magna) (OECD 202)
EC-50 72h	>61 mg/l (Scenedesmus subspicatus)
LC-50	1-10 mg/l (Zebraabärbling) (OECD 203)
NOEC (16 h)	600 mg/L (Pseudomonas putida) (DIN 38412 T.8)
NOEC (56 d)	470 mg/kg (Eisenia fetida) (OECD 222)
69011-36-5 alcohols C13 branched, ethoxylated	
LC-50 96h	1-10 mg/l (Leuciscus idus)

- **Persistence and degradability** No further relevant information available.
- **Other information:** The product is biodegradable.
- **Behavior in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**

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

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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.

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

The product may not be released into the environment without control.

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **Other adverse effects** No further relevant information available.

13 Disposal considerations

· **Waste treatment methods**

· **Recommendation:** Dispose of in accordance with local, state, and federal Regulations.

· **Uncleaned packagings:**

· **Recommendation:** Disposal must be made according to official regulations.

· **Recommended cleansing agent:** Water, if necessary with cleansing agents.

* 14 Transport information

· UN-Number	
· DOT, ADR, IMDG, IATA	UN1993
· UN proper shipping name	
· DOT	Flammable liquids, n.o.s. (Butyl acetates)
· ADR	1993 Flammable liquids, n.o.s. (not viscous) (Butyl acetates)
· IMDG, IATA	FLAMMABLE LIQUID, N.O.S. (BUTYL ACETATES)
· Transport hazard class(es)	
· DOT, ADR, IMDG, IATA	
· Class	3 Flammable liquids
· Label	3
· Packing group	
· DOT, ADR, IMDG, IATA	III
· Environmental hazards:	
· Marine pollutant:	No
· Special precautions for user	Warning: Flammable liquids
· Danger code (Kemler):	30
· EMS Number:	F-E,S-E
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
· Transport/Additional information:	
· DOT	
· Quantity limitations	On passenger aircraft/rail: 60 L On cargo aircraft only: 220 L
· ADR	
· Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· IMDG	
· Limited quantities (LQ)	5L

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· Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· UN "Model Regulation":	UN1993, Flammable liquids, n.o.s. (not viscous) (Butyl acetates), 3, III

* 15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
- Sara

· Section 355 (extremely hazardous substances):		
None of the ingredient is listed.		
· Section 313 (Specific toxic chemical listings):		
112-07-2	2-butoxyethyl acetate	
· TSCA (Toxic Substances Control Act):		
123-86-4	n-butyl acetate	
112-07-2	2-butoxyethyl acetate	
112-34-5	2-(2-butoxyethoxy)ethanol	
577-11-7	Sulfosuccinat-sodiumsalt	
69011-36-5	alcohols C13 branched, ethoxylated	
94441-92-6	Sodium salt of a short-chained alkylaminocarboxylats	
7732-18-5	water, distilled, conductivity or of similar purity	
· Proposition 65		
· Chemicals known to cause cancer:		
None of the ingredients is listed.		
· Chemicals known to cause reproductive toxicity for females:		
None of the ingredients is listed.		
· Chemicals known to cause reproductive toxicity for males:		
None of the ingredients is listed.		
· Chemicals known to cause developmental toxicity:		
None of the ingredients is listed.		
· Carcinogeny categories		
· EPA (Environmental Protection Agency)		
None of the ingredients is listed.		
· TLV (Threshold Limit Value established by ACGIH)		
112-07-2	2-butoxyethyl acetate	A3
· MAK (German Maximum Workplace Concentration)		
112-07-2	2-butoxyethyl acetate	4
· NIOSH-Ca (National Institute for Occupational Safety and Health)		
None of the ingredients is listed.		
· Canadien Substances Listings:		
· Canadien Domestic Substances List (DSL):		
123-86-4	n-butyl acetate	
112-07-2	2-butoxyethyl acetate	
112-34-5	2-(2-butoxyethoxy)ethanol	
577-11-7	Sulfosuccinat-sodiumsalt	
69011-36-5	alcohols C13 branched, ethoxylated	
7732-18-5	water, distilled, conductivity or of similar purity	

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· Canadian Ingredient disclosure list (limit 0.1%)	
123-86-4	n-butyl acetate
112-07-2	2-butoxyethyl acetate
112-34-5	2-(2-butoxyethoxy)ethanol
577-11-7	Sulfosuccinat-sodiumsalt
69011-36-5	alcohols C13 branched, ethoxylated
94441-92-6	Sodium salt of a short-chained alkylamincarboxylats
7732-18-5	water, distilled, conductivity or of similar purity
· Canadian Ingredient disclosure list (limit 1%)	
123-86-4	n-butyl acetate
112-34-5	2-(2-butoxyethoxy)ethanol
577-11-7	Sulfosuccinat-sodiumsalt

· **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

· **Hazard pictograms**

GHS02 GHS05 GHS07

· **Signal word** Danger· **Hazard statements**

Flammable liquid and vapour.

Causes skin irritation.

Causes serious eye damage.

May cause drowsiness or dizziness.

· **Precautionary statements**

Avoid breathing mist/vapours/spray.

Wear protective gloves / eye protection.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If skin irritation occurs: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

If on skin: Wash with plenty of water.

· **National regulations:**· **Technical instructions (air):**

Class	Share in %
NK	15-30

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.* **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 present state of our experience.

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

· **Department issuing SDS:**

Department TQM

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- **Contact:** Herr Heiko Schmidt
- **Date of preparation / last revision** 01/13/2015 / 30
- **Abbreviations and acronyms:**
 - ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
 - IMDG: International Maritime Code for Dangerous Goods
 - DOT: US Department of Transportation
 - IATA: International Air Transport Association
 - ACGIH: American Conference of Governmental Industrial Hygienists
 - EINECS: European Inventory of Existing Commercial Chemical Substances
 - ELINCS: European List of Notified Chemical Substances
 - CAS: Chemical Abstracts Service (division of the American Chemical Society)
 - NFPA: National Fire Protection Association (USA)
 - HMIS: Hazardous Materials Identification System (USA)
 - LC50: Lethal concentration, 50 percent
 - LD50: Lethal dose, 50 percent
 - Flam. Liq. 3: Flammable liquids, Hazard Category 3
 - Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
 - Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1
 - STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3
- *** Data compared to the previous version altered.**

USA
