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
      +49 (0) 611 9271-144
      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](image1)
  ![GHS05](image2)
  ![GHS07](image3)

· Signal word Danger

· Hazard statements
  Flammable liquid and vapour.
  Causes skin irritation.

(Contd. on page 2)
Trade name: Deprit Professional 2

(Contd. of page 1)

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**
      - Health = 2
    - **FIRE**
      - Fire = 3
    - **REACTIVITY**
      - 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.

(Contd. on page 3)
Trade name: Deprit Professional 2

- 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:
    | Component | Long-term value | Short-term value |
    |-----------|-----------------|-----------------|
    | 123-86-4 n-butyl acetate (30-50%) | 710 mg/m³, 150 ppm | 950 mg/m³, 200 ppm |
    | PEL       | Long-term value: 710 mg/m³, 150 ppm | Short-term value: 950 mg/m³, 200 ppm |
    | REL       | Long-term value: 710 mg/m³, 150 ppm | Long-term value: 713 mg/m³, 150 ppm |
    | TLV       | Short-term value: 950 mg/m³, 200 ppm | Long-term value: 713 mg/m³, 150 ppm |
Trade name: Deprit Professional 2

112-07-2 2-butoxyethyl acetate (15-30%)
- REL Long-term value: 33 mg/m³, 5 ppm
- TLV Long-term value: 130 mg/m³, 20 ppm

112-34-5 2-(2-butoxyethoxy)ethanol (5.0-15%)
- TLV Long-term value: 67.5* mg/m³, 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 breakthrough 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.
Safety Data Sheet
acc. to OSHA HCS

Printing date 01/13/2015 Reviewed on 01/13/2015

Trade name: Deprit Professional 2

(Contd. of page 4)

<table>
<thead>
<tr>
<th>· Danger of explosion:</th>
<th>Product is not explosive. However, formation of explosive air/vapor mixtures are possible.</th>
</tr>
</thead>
<tbody>
<tr>
<td>· Explosion limits:</td>
<td></td>
</tr>
<tr>
<td>Lower:</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Upper:</td>
<td>Not determined.</td>
</tr>
<tr>
<td>· Vapor pressure:</td>
<td>Not determined.</td>
</tr>
<tr>
<td>· Density at 20 °C (68 °F):</td>
<td>0.96 g/cm³ (8.011 lbs/gal)</td>
</tr>
<tr>
<td>· Solubility in / Miscibility with Water:</td>
<td>Emulsifiable.</td>
</tr>
<tr>
<td>· Viscosity: Dynamic at 20 °C (68 °F):</td>
<td>5 mPas</td>
</tr>
<tr>
<td>· Viscosity: Kinematic:</td>
<td>Not determined.</td>
</tr>
<tr>
<td>· Solvent content:</td>
<td></td>
</tr>
<tr>
<td>Organic solvents:</td>
<td>20.0 %</td>
</tr>
<tr>
<td>· Other information</td>
<td>No further relevant information available.</td>
</tr>
</tbody>
</table>

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/m³ (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 Sulfinic acids, C14-17-sec-alkane, sodium salts
    Oral LD-50 >2000 mg/kg (rat)
    Dermal LD-50 >2000 mg/kg (mouse)
    577-11-7 Sulfo succinat-sodiumsalt
    Oral LD-50 1900 mg/kg (rat)
    69011-36-5 alcohols C13 branched, ethoxylated
    Oral LD-50 500-2000 mg/kg (rat)
Safety Data Sheet
acc. to OSHA HCS

Trade name: Deprit Professional 2

(Contd. of page 5)

- 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 (Zebrabärbling) (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

(Contd. on page 7)


Trade name: Deprit Professional 2

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 
  - Danger code (Kemler): Warning: Flammable liquids 
  - 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
Trade name: Deprit Professional 2

- **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**
    
    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.

- **Cancerogenity 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
Trade name: Deprit Professional 2

**Canadien Ingredient disclosure list (limit 0.1%)**

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Ingredient Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>123-86-4</td>
<td>n-butyl acetate</td>
</tr>
<tr>
<td>112-07-2</td>
<td>2-butoxyethyl acetate</td>
</tr>
<tr>
<td>112-34-5</td>
<td>2-(2-butoxyethoxy)ethanol</td>
</tr>
<tr>
<td>577-11-7</td>
<td>Sulfo succinat-sodiumsalt</td>
</tr>
<tr>
<td>69011-36-5</td>
<td>Alcohols C13 branched, ethoxylated</td>
</tr>
<tr>
<td>94441-92-6</td>
<td>Sodium salt of a short-chained alkylamincarboxylats</td>
</tr>
<tr>
<td>7732-18-5</td>
<td>Water, distilled, conductivity or of similar purity</td>
</tr>
</tbody>
</table>

**Canadien Ingredient disclosure list (limit 1%)**

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Ingredient Name</th>
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</thead>
<tbody>
<tr>
<td>123-86-4</td>
<td>n-butyl acetate</td>
</tr>
<tr>
<td>112-34-5</td>
<td>2-(2-butoxyethoxy)ethanol</td>
</tr>
<tr>
<td>577-11-7</td>
<td>Sulfo succinat-sodiumsalt</td>
</tr>
</tbody>
</table>

**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):**

<table>
<thead>
<tr>
<th>Class</th>
<th>Share in %</th>
</tr>
</thead>
<tbody>
<tr>
<td>NK</td>
<td>15-30</td>
</tr>
</tbody>
</table>

- **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:**
  - Departent TQM
  - Herr Heiko Schmidt
  - +49 (0) 611/9271-144

(Contd. on page 10)
Trade name: Deprit Professional 2

- **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."