1 Identification of the substance/mixture and of the company/undertaking

- **Product identifier**
- **Trade name:** Deprit Professional 1
- **Article number:** 2297
- **Application of the substance / the preparation** 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 Vogel
    - +49 (0) 611 9271-175
    - Kurt.Vogel@kreussler.com
  - **Emergency telephone number:** +49 (0) 611 9271-0

2 Composition/information on ingredients

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

<table>
<thead>
<tr>
<th>Dangerous components</th>
<th>Xi</th>
<th>R36</th>
<th>5.0-15%</th>
</tr>
</thead>
<tbody>
<tr>
<td>112-34-5 2-(2-butoxyethoxy)ethanol</td>
<td>Xi</td>
<td>R36</td>
<td>5.0-15%</td>
</tr>
<tr>
<td>68425-47-8 Soya fatty acid diethanolamide</td>
<td>Xi</td>
<td>R38-41</td>
<td>1.0-5.0%</td>
</tr>
</tbody>
</table>

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

3 Hazards identification

- **Classification of the substance or mixture**
  - **Classification according to Directive 67/548/EEC or Directive 1999/45/EC** Not applicable.
  - **Information concerning particular hazards for human and environment:**
    - The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
  - **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**
  - **Labelling according to EU guidelines:**
    - Observe the general safety regulations when handling chemicals.
    - The product is not subject to identification regulations according to directives on hazardous materials.
  - **Classification system:**
  - **NFPA ratings (scale 0 - 4)**
    - Health = 0
    - Fire = 0
    - Reactivity = 0

(Contd on page 2)
Material Safety Data Sheet
acc. to ISO/DIS 11014

Trade name: Deprit Professional 1

· HMIS-ratings (scale 0 - 4)
  HEALTH  D  Health = 0
  FIRE       D  Fire = 0
  REACTIVITY  D  Reactivity = 0

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

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:
  Rinse with warm water.
  If skin irritation continues, consult a doctor.
· After eye contact: Rinse opened eye for several minutes under running water.
· After swallowing: If symptoms persist consult doctor.

5 Firefighting measures
· Suitable extinguishing agents:
  CO2, extinguishing 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 arising from the substance or mixture: No further relevant information available.
· Protective equipment: Use normal protective clothing.
· Additional information
  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: Dilute with plenty of 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
  See Section 7 for information on safe handling.
  See Section 8 for information on personal protection equipment.
  See Section 13 for disposal information.
  No dangerous substances are released.

7 Handling and storage
· Handling:
  Precautions for safe handling: No special measures required.
  Information about protection against explosions and fires: No special measures required.
· 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: None.
· 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.
Components with limit values that require monitoring at the workplace:
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

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

Personal protective equipment:

General protective and hygienic measures:
The usual precautionary measures for handling chemicals should be followed.
Do not eat or drink while working.
Be sure to clean skin thoroughly after work and before breaks.
Avoid contact with the eyes and skin.
Immediately remove all soiled and contaminated clothing.
Do not eat, drink, smoke or sniff while working.

Breathing equipment: 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 gloves
Leather gloves

Eye protection:

Tightly sealed goggles

Body protection: Protective work clothing

9 Physical and chemical properties

General Information
Appearance:
Form: Fluid
Color: Colorless
Odor: Characteristic

pH-value at 20°C (68 °F): 9.6

Change in condition
Melting point/Melting range: Undetermined.
Boiling point/Boiling range: Undetermined.

Flash point: Not applicable.

Auto igniting: Product is not selfigniting.

Danger of explosion: Product does not present an explosion hazard.

Vapor pressure at 20°C (68 °F): 23 hPa (17 mm Hg)

Density at 20°C (68 °F): 1 g/cm³ (8.345 lbs/gal)

Solubility in / Miscibility with Water: Fully miscible.

Viscosity:
Dynamic at 20°C (68 °F): 8 mPas
Material Safety Data Sheet
acc. to ISO/DIS 11014

Trade name: Deprit Professional 1

(Contd. of page 3)

10 Stability and reactivity

- Thermal decomposition / conditions to be avoided:
  No decomposition if used according to specifications.
- Incompatible materials: No further relevant information available.
- Hazardous decomposition products: No dangerous decomposition products known.

11 Toxicological information

- Acute toxicity:
- LD/LC50 values that are relevant for classification:
  Acute oral toxicity: >2000mg/kg (Rats) calculated from data of constituent parts.
- Primary irritant effect:
  - on the skin: No irritant effect.
  - on the eye: No irritating effect.
- Sensitization: No sensitizing effects known.
- Additional toxicological information:
  The product is not subject to classification according to internally approved calculation methods for preparations:
  When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

12 Ecological information

- Aquatic toxicity: No further relevant information available.
- Persistence and degradability: No further relevant information available.
- Other information: The product is easily biodegradable.
- Behavior in environmental systems:
- Bioaccumulative potential: 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 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.
  The product may not be released into the environment without control.
  Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

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.

(Contd. on page 5)
Material Safety Data Sheet  
acc. to ISO/DIS 11014

Trade name: Deprit Professional 1

(Contd. of page 4)

14 Transport information

- UN-Number
  DOT, ADR, ADN, IMDG, IATA: Void
- UN proper shipping name
  DOT, ADR, ADN, IMDG, IATA: Void
- Transport hazard class(es)
  DOT, ADR, ADN, IMDG, IATA: Void
- Class
- Packing group
  DOT, ADR, IMDG, IATA: Void
- Environmental hazards:
  Marine pollutant: No
- Special precautions for user
  Not applicable.
- Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
  Not applicable.

15 Regulatory information

- Sara
  Section 355 (extremely hazardous substances):
  None of the ingredient is listed.
- Section 313 (Specific toxic chemical listings):
  None of the ingredients is listed.
- TSCA (Toxic Substances Control Act):
  All ingredients are listed.
- 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.
- IARC (International Agency for Research on Cancer)
  None of the ingredients is listed.
- NTP (National Toxicology Program)
  None of the ingredients is listed.
- TLV (Threshold Limit Value established by ACGIH)
  None of the ingredients is listed.
- MAK (German Maximum Workplace Concentration)
  None of the ingredients is listed.

(Contd. on page 6)
### Material Safety Data Sheet

**Trade name:** Deprit Professional 1

#### (Contd. of page 5)

<table>
<thead>
<tr>
<th>Substances Listings:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Canadien Substances Listings:</td>
</tr>
<tr>
<td>· Canadien Domestic Substances List (DSL):</td>
</tr>
<tr>
<td>112-34-5</td>
</tr>
<tr>
<td>68425-47-8</td>
</tr>
<tr>
<td>66608-26-4</td>
</tr>
<tr>
<td>· Canadien Ingredient disclosure list (limit 0.1%)</td>
</tr>
<tr>
<td>All ingredients are listed.</td>
</tr>
<tr>
<td>· Canadien Ingredient disclosure list (limit 1%)</td>
</tr>
<tr>
<td>112-34-5</td>
</tr>
</tbody>
</table>

#### 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 MSDS:**
  - Abteilung TQM
  - Herr Vogel
  - +49 (0) 611/9271-175
  - **Contact:** Herr Vogel

* Data compared to the previous version altered.
1 Identification of the substance/mixture and of the company/undertaking

- **Product identifier**
  - Trade name: Deprit Professional 2
  - Article number: 2298
  - Application of the substance / the preparation: Paint, oil, grease, lacquer remover – postspotting agent for textile cleaning

- **Details of the supplier of the safety data sheet**
  - Manufacturer/Supplier: 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 Vogel
    - +49 (0) 611 9271-175
    - Kurt.Vogel@kreussler.com
  - Emergency telephone number: +49 (0) 611 9271-0

2 Composition/information on ingredients

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

<table>
<thead>
<tr>
<th>Dangerous components</th>
<th>Classification code</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>123-86-4 n-butyl acetate</td>
<td>R10-R66-R67</td>
<td>30-50%</td>
</tr>
<tr>
<td>112-07-2 2-butoxyethyl acetate</td>
<td>Xn R20/21</td>
<td>15-30%</td>
</tr>
<tr>
<td>112-34-5 2-(2-butoxyethoxy)ethanol</td>
<td>Xi R36</td>
<td>5.0-15%</td>
</tr>
<tr>
<td>1322-98-1 Benzencesulfonic acid, C10-13 alkyl derivatives, sodium salt</td>
<td>Xi R38-41</td>
<td>5.0-15%</td>
</tr>
<tr>
<td>577-11-7 Sulfosuccinat-sodiumsalt</td>
<td>Xi R38-41</td>
<td>5.0-15%</td>
</tr>
<tr>
<td>69011-36-5 alcohols C13 branched, ethoxylated</td>
<td>Xn R22; Xi R36/38</td>
<td>1.0-5.0%</td>
</tr>
</tbody>
</table>

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

3 Hazards identification

- **Classification of the substance or mixture**
- **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**
- **Labelling according to EU guidelines:**
  - The product has been classified and marked in accordance with directives on hazardous materials.

(Contd. on page 2)
· Code letter and hazard designation of product:
  
  Xi irritant

· Risk phrases:
  Flammable.
  Risk of serious damage to eyes.
  Vapours may cause drowsiness and dizziness.

· Safety phrases:
  Keep away from sources of ignition - No smoking.
  Avoid contact with skin and eyes.
  In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
  Wear suitable protective clothing and eye/face protection.
  If swallowed, rinse mouth with water (only if the person is conscious).

· Classification system:
  NFPA ratings (scale 0 - 4)
  
  Health = 2
  Fire = 3
  Reactivity = 0

  HMIS-ratings (scale 0 - 4)
  
  HEALTH 2 Health = 2
  FIRE 3 Fire = 3
  REACTIVITY 0 Reactivity = 0

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

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:
  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.

5 Firefighting measures

· Suitable extinguishing agents:
  CO2, extinguishing 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 arising from the substance or mixture
  In case of fire, the following can be released:
  Carbon monoxide (CO)
· 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:
  Dilute with plenty of water.
  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
  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.
- 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.

<table>
<thead>
<tr>
<th>Components with limit values that require monitoring at the workplace:</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>123-86-4 n-butyl acetate (30-50%)</strong></td>
</tr>
<tr>
<td>PEL: 710 mg/m³, 150 ppm</td>
</tr>
<tr>
<td>REL: Short-term value: 950 mg/m³, 200 ppm</td>
</tr>
<tr>
<td>Long-term value: 710 mg/m³, 150 ppm</td>
</tr>
<tr>
<td>TLV: Short-term value: 950 mg/m³, 200 ppm</td>
</tr>
<tr>
<td>Long-term value: 713 mg/m³, 150 ppm</td>
</tr>
<tr>
<td><strong>112-07-2 2-butoxyethyl acetate (15-30%)</strong></td>
</tr>
<tr>
<td>REL: 33 mg/m³, 5 ppm</td>
</tr>
<tr>
<td>Skin: 130 mg/m³, 20 ppm</td>
</tr>
</tbody>
</table>

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

- 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: 100°C (212 °F)
- Flash point: 36°C (97 °F)
- Auto igniting: Product is not selfigniting.
- Danger of explosion: Product is not explosive. However, formation of explosive air/vapor mixtures are possible.
- Explosion limits:
  - Lower: 1.2 Vol %
  - Upper: 8.4 Vol %
- Vapor pressure at 20°C (68 °F): 23 hPa (17 mm Hg)
- Density at 20°C (68 °F): 0.96 g/cm³ (8.011 lbs/gal)
- Solubility in / Miscibility with Water: Emulsifiable.
- Viscosity:
  - Dynamic at 20°C (68 °F): 5 mPas
- Solvent content:
  - Organic solvents: 0.0 %
  - Other information: No further relevant information available.

10 Stability and reactivity

- Thermal decomposition / conditions to be avoided:
  No decomposition if used according to specifications.
- Incompatible materials: No further relevant information available.
- Hazardous decomposition products: No dangerous decomposition products known.
11 Toxicological information

- Acute toxicity:
  - LD/LC50 values that are relevant for classification:

  **112-07-2 2-butoxyethyl acetate**

<table>
<thead>
<tr>
<th>Route</th>
<th>LD-50</th>
<th>LC-50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral</td>
<td>2400 mg/kg (rat)</td>
<td></td>
</tr>
<tr>
<td>Dermal</td>
<td>1580 mg/kg (bunny)</td>
<td></td>
</tr>
</tbody>
</table>

- 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

12 Ecological information

- Aquatic toxicity:

  **112-07-2 2-butoxyethyl acetate**

<table>
<thead>
<tr>
<th>Endpoint</th>
<th>EC-50 24h</th>
<th>EC-50 72h</th>
<th>LC-50 48 h</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>&gt;100 mg/l (Daphnia magna)</td>
<td>&gt;100 mg/l (Scenedesmus subspicatus)</td>
<td>10-100 mg/L (Leuciscus idus)</td>
</tr>
</tbody>
</table>

- 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.
- 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 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.
  The product may not be released into the environment without control.
  Do not allow product to reach ground water, water course or sewage system.
  Danger to drinking water if even small quantities leak into the ground.

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
  - ADR: 1993 FLAMMABLE LIQUID, N.O.S. (not viscous) (BUTYL ACETATES)
  - IMDG, IATA: FLAMMABLE LIQUID, N.O.S. (BUTYL ACETATES)
Material Safety Data Sheet
acc. to ISO/DIS 11014

Trade name: Deprit Professional 2

- Transport hazard class(es)
  - DOT, IMDG, IATA
    - Class 3 Flammable liquids.
    - Label 3
  - ADR
    - Class 3 Flammable liquids
    - Label 3
  - Packing group III
  - DOT, ADR, IMDG, IATA
  - 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.

15 Regulatory information

- Sara
  - Section 355 (extremely hazardous substances):
    None of the ingredient is listed.
  - Section 313 (Specific toxic chemical listings):
    None of the ingredients is listed.
- TSCA (Toxic Substances Control Act):
  - 123-86-4 n-butyl acetate
  - 112-07-2 2-butoxyethyl acetate
  - 112-34-5 2-(2-butoxyethoxy)ethanol
  - 68608-26-4 Sulfonic acids, alkane, sodium salts
  - 577-11-7 Sulfosuccinat-sodiumsalt
  - 69011-36-5 alcohols C13 branched, ethoxylated
  - 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.
  - IARC (International Agency for Research on Cancer)
    None of the ingredients is listed.
Trade name: Deprit Professional 2

- NTP (National Toxicology Program)
  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.

- OSHA-Ca (Occupational Safety & Health Administration)
  None of the ingredients is listed.

- Canadian Substances Listings:

  - Canadian Domestic Substances List (DSL):
    123-86-4 n-butyl acetate
    112-07-2 2-butoxyethyl acetate
    112-34-5 2-(2-butoxyethoxy)ethanol
    66808-28-4 Sulfonic acids, alkane, sodium salts
    577-11-7 Sultosucinat-sodiumsalt
    69011-36-5 alcohols C13 branched, ethoxylated

  - Canadian ingredient disclosure list (limit 0.1%)
    All ingredients are listed.

  - Canadian ingredient disclosure list (limit 1%)
    123-86-4 n-butyl acetate
    112-34-5 2-(2-butoxyethoxy)ethanol
    577-11-7 Sultosucinat-sodiumsalt

- Product related hazard informations:
The product has been classified and marked in accordance with directives on hazardous materials.

- Hazard symbols:
  - Xi Irritant

- Risk phrases:
  Flammable.
  Risk of serious damage to eyes.
  Vapours may cause drowsiness and dizziness.

- Safety phrases:
  Keep away from sources of ignition - No smoking.
  Avoid contact with skin and eyes.
  In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
  Wear suitable protective clothing and eye/face protection.
  If swallowed, rinse mouth with water (only if the person is conscious).

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.
Material Safety Data Sheet
acc. to ISO/DIS 11014

Trade name: Deprit Professional 2

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

- Department issuing MSDS:
  Abteilung TQM
  Herr Vogel
  +49 (0) 611/9271-175
  Contact: Herr Vogel
  * Data compared to the previous version altered.
1 Identification of the substance/mixture and of the company/undertaking

- **Product identifier**
- **Trade name:** Deprit Professional 3
- **Article number:** 2299
- **Application of the substance / the preparation** tannin/ fruit stain remover

- **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 Vogel
    - +49 (0) 611 9271-175
    - Kurt.Vogel@kreussler.com
  - **Emergency telephone number:** +49 (0) 611 9271-0

2 Composition/information on ingredients

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

- **Dangerous components:**
  - 112-34-5 2-(2-butoxyethoxy)ethanol
  - 1322-98-1 Benzenesulfonic acid, C10-13 alkyl derivatives, sodium salt
  - 77-92-9 citric acid

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

3 Hazards identification

- **Classification of the substance or mixture**
  - **Classification according to Directive 67/548/EEC or Directive 1999/45/EC** Not applicable.
  - **Information concerning particular hazards for human and environment:**
    - The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

- **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**
  - **Labelling according to EU guidelines:**
    - Observe the general safety regulations when handling chemicals.
    - The product is not subject to identification regulations according to directives on hazardous materials.

- **Classification system**
  - **NFPA ratings (scale 0 - 4)**
    - Health = 0
    - Fire = 0
    - Reactivity = 0

(Contd. on page 2)
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:** Rinse with warm water.
  - If skin irritation continues, consult a doctor.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.

5 Firefighting measures

- **Suitable extinguishing agents:** CO2, extinguishing 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 arising from the substance or mixture** No further relevant information available.
- **Protective equipment:** Use normal protective clothing.
- **Additional information** 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:** Dilute with plenty of 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** No special measures required.
  - **Information about protection against explosions and fires:** No special measures required.
- **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** None.
  - **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.
Trade name: Deprit Professional 3

Components with limit values that require monitoring at the workplace:

<table>
<thead>
<tr>
<th>Substance</th>
<th>56-81-5 glycerol (5.0-15%)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PEL</strong></td>
<td>15 * 5 <strong>mg/m³</strong></td>
</tr>
<tr>
<td><strong>TLV</strong></td>
<td>10 <strong>ppm</strong></td>
</tr>
<tr>
<td><strong>Mist</strong></td>
<td></td>
</tr>
</tbody>
</table>

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

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 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:
Leather gloves
Strong gloves
Eye protection:

![Tightly sealed goggles]

Body protection: Protective work clothing

9 Physical and chemical properties

<table>
<thead>
<tr>
<th>General Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance:</td>
</tr>
<tr>
<td>Form:</td>
</tr>
<tr>
<td>Color:</td>
</tr>
<tr>
<td>Odor:</td>
</tr>
<tr>
<td>pH-value at 20°C (68 °F):</td>
</tr>
<tr>
<td>Change in condition</td>
</tr>
<tr>
<td>Melting point/Melting range:</td>
</tr>
<tr>
<td>Boiling point/Boiling range:</td>
</tr>
<tr>
<td>Flash point:</td>
</tr>
<tr>
<td>Auto igniting:</td>
</tr>
<tr>
<td>Danger of explosion:</td>
</tr>
<tr>
<td>Vapor pressure at 20°C (68 °F):</td>
</tr>
<tr>
<td>Density at 20°C (68 °F):</td>
</tr>
<tr>
<td>Solubility in / Miscibility with Water:</td>
</tr>
</tbody>
</table>
Material Safety Data Sheet
acc. to ISO/DIS 11014

Trade name: Deprit Professional 3

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Viscosity:</td>
<td></td>
</tr>
<tr>
<td>Dynamic at 20°C (68 °F):</td>
<td>5 mPas</td>
</tr>
<tr>
<td>Solvent content:</td>
<td></td>
</tr>
<tr>
<td>Organic solvents:</td>
<td>0.0 %</td>
</tr>
<tr>
<td>Other information</td>
<td></td>
</tr>
<tr>
<td></td>
<td>No further relevant information available.</td>
</tr>
</tbody>
</table>

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**
  No decomposition if used according to specifications.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Acute toxicity:**
  - LD/LC50 values that are relevant for classification:
  - Acute oral toxicity: >2000mg/kg (Rats) calculated from data of constituent parts.
- **Primary irritant effect:**
  - on the skin: No irritant effect.
  - on the eye: No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
  The product is not subject to classification according to internally approved calculation methods for preparations.
  When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

12 Ecological information

- **Aquatic toxicity:** No further relevant information available.
- **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.
- **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 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.
    The product may not be released into the environment without control.
    Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

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, ADN, IMDG, IATA: Void
- **UN proper shipping name**
  - DOT, ADR, ADN, IMDG, IATA: Void
- **Transport hazard class(es)**
  - DOT, ADR, IMDG, IATA: Void
  - Class: Void
  - Label: -
  - ADN/R Class: Void
- **Packing group**
  - DOT, ADR, IMDG, IATA: Void
- **Environmental hazards:**
  - Marine pollutant: No
- **Special precautions for user**
  - Not applicable.
- **Danger code (Kemler):**
  - -
- **EMS Number:**
  - -
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**
  - Not applicable.

### 15 Regulatory information

- **Sara**
  - **Section 355 (extremely hazardous substances):** None of the ingredient is listed.
  - **Section 313 (Specific toxic chemical listings):** None of the ingredients is listed.
- **TSCA (Toxic Substances Control Act):**
  - 56-81-5 glycerol
  - 112-34-5 2-(2-butoxyethoxy)ethanol
  - 68608-26-4 Sulfonic acids, alkane, sodium salts
  - 77-92-9 citric acid
  - 164452-16-2 Alanine, N,N-bis(carboxymethyl)-, trisodium salt at aq.
  - 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.
Trade name: Deprit Professional 3

- IARC (International Agency for Research on Cancer)
  None of the ingredients is listed.

- NTP (National Toxicology Program)
  None of the ingredients is listed.

- TLV (Threshold Limit Value established by ACGIH)
  None of the ingredients is listed.

- MAK (German Maximum Workplace Concentration)
  None of the ingredients is listed.

- NIOSH-Ca (National Institute for Occupational Safety and Health)
  None of the ingredients is listed.

- OSHA-Ca (Occupational Safety & Health Administration)
  None of the ingredients is listed.

- Canadian Substances Listings:

  - Canadian Domestic Substances List (DSL):
    - 56-81-5 glycerol
    - 112-34-5 2-(2-butoxyethoxy)ethanol
    - 66608-26-4 Sulfonic acids, alkane, sodium salts
    - 77-92-9 citric acid

  - Canadian Ingredient disclosure list (limit 0.1%)
    - 56-81-5 glycerol
    - 112-34-5 2-(2-butoxyethoxy)ethanol
    - 66608-26-4 Sulfonic acids, alkane, sodium salts
    - 77-92-9 citric acid
    - 164462-16-2 Alanine, N,N-bis(carboxymethyl)-, trisodium salt at aq.
    - 7732-18-5 water, distilled, conductivity or of similar purity

  - Canadian Ingredient disclosure list (limit 1%)
    - 112-34-5 2-(2-butoxyethoxy)ethanol
    - 77-92-9 citric acid

- Product related hazard informations:
  Observe the general safety regulations when handling chemicals.
  The product is not subject to identification regulations according to directives on hazardous materials.

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

* Data compared to the previous version altered.
1 Identification of the substance/mixture and of the company/undertaking

- **Product identifier**
- **Trade name**: Deprit Professional 4
- **Article number**: 2301
- **Application of the substance / the preparation**
  Postspotting agent for textile cleaning, stain remover for oil, grease, makeup, adhesives, paint, and resin
- **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 TCM
    Herr Vogel
    +49 (0) 611 9271-175
    Kurt.Vogel@kreussler.com
  - **Emergency telephone number:** +49 (0) 611 9271-0

2 Composition/information on ingredients

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

<table>
<thead>
<tr>
<th>Substance Code</th>
<th>Substance Name</th>
<th>Xn</th>
<th>R65</th>
<th>R66</th>
<th>≥50%</th>
</tr>
</thead>
<tbody>
<tr>
<td>68551-17-7</td>
<td>Isoparaffin C10-C13</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>123-86-4</td>
<td>n-butyl acetate</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

3 Hazards identification

- **Classification of the substance or mixture**
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**
  Harmful
  Harmful: may cause lung damage if swallowed.

**Flammable.**

**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.

**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**

- **Labelling according to EU guidelines:**
The product has been classified and marked in accordance with directives on hazardous materials.

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

- Xn Harmful

(Contd. on page 2)
Trade name: Deprit Professional 4

- Hazard-determining components of labelling:
  Isoparaffin C10-C13

- Risk phrases:
  Flammable.
  Harmful: may cause lung damage if swallowed.

- Safety phrases:
  In case of fire, use sand, carbon dioxide or powdered extinguishing agent. Never use water.
  If swallowed, seek medical advice immediately and show this container or label.
  Dispose of this material and its container to hazardous or special waste collection point.

- Classification system:
  NFPA ratings (scale 0 - 4)
  Health = 0
  Fire = 3
  Reactivity = 0

  HMIS-ratings (scale 0 - 4)
  Health = 0
  Fire = 3
  Reactivity = 0

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

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:
  Rinse with warm water.
  If skin irritation continues, consult a doctor.
- After eye contact: Rinse opened eye for several minutes under running water.
- After swallowing: If symptoms persist consult doctor.

5 Firefighting measures

- Suitable extinguishing agents: CO₂, sand, extinguishing powder. Do not use water.
- For safety reasons unsuitable extinguishing agents: Water
- Special hazards arising from the substance or mixture
  In case of fire, the following can be released:
  Carbon monoxide (CO)

- Protective equipment:
  Use normal protective clothing.
  Wear self-contained respirator/protective device.

- 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
  Ensure adequate ventilation.
  Keep away from ignition sources.
  Wear protective equipment. Keep unprotected persons away.

- Environmental precautions: Do not allow to enter sewers/ surface or ground water.
Trade name: Depr Professional 4

- **Methods and material for containment and cleaning up:**
  Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
  Dispose contaminated material as waste according to item 13.
  Do not flush with water or aqueous cleansing agents.
- **Reference to other sections**
  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** Keep away from heat and direct sunlight.
- **Information about protection against explosions and fires:**
  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.
  - **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.
- **Components with limit values that require monitoring at the workplace:**

<table>
<thead>
<tr>
<th>123-86-4 n-butyl acetate (30-50%)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PEL</strong></td>
</tr>
<tr>
<td><strong>REL</strong></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td><strong>TLV</strong></td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>

- **Additional information:** The lists that were valid during the creation were used as basis.
- **Personal protective equipment:**
  - **General protective and hygienic measures:**
    The usual precautionary measures for handling chemicals should be followed. Avoid close or long term contact with the skin. Do not eat, drink, smoke or sniff while working. Be sure to clean skin thoroughly after work and before breaks. Keep away from foodstuffs, beverages and feed. Wash hands before breaks and at the end of work.
  - **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
    - **Not suitable are gloves made of the following materials:**
      Strong gloves
      Leather gloves

(Contd. on page 4)
9 Physical and chemical properties

- General Information
  - Appearance:
    - Form: Fluid
    - Color: Colorless
    - Odor: Characteristic
  - Change in condition
    - Melting point/Melting range: Undetermined.
    - Boiling point/Boiling range: 124°C (255 °F)
  - Flash point: 36°C (97 °F)
  - Auto Igniting: Product is not selfigniting.
  - Danger of explosion: Product is not explosive. However, formation of explosive air/vapor mixtures are possible.
  - Explosion limits:
    - Lower: 0.5 Vol %
    - Upper: 7.5 Vol %
  - Vapor pressure at 20°C (68 °F): 12.5 hPa (9 mm Hg)
  - Density at 20°C (68 °F): 0.8 g/cm³ (6.676 lbs/gal)
  - Solubility in / Miscibility with Water: Not miscible or difficult to mix.
  - Viscosity:
    - Dynamic at 20°C (68 °F): 2 mPas
  - Solvent content:
    - Organic solvents: 60.0 %
  - Other information: No further relevant information available.

10 Stability and reactivity

- Thermal decomposition / conditions to be avoided:
  - No decomposition if used according to specifications.
- Incompatible materials: No further relevant information available.
- Hazardous decomposition products: No dangerous decomposition products known.

11 Toxicological information

- Acute toxicity:
  - LD/LC50 values that are relevant for classification:
    - 68551-17-7 Isoparaffin C10-C13
      - Oral LD-50: 34800 mg/kg (rat)
      - Dermal LD-50: 15400 mg/kg (rabbit)
      - Inhalative LC-50/4 h: >1200 mg/l (rat)
Trade name: Deprit Professional 4

- Primary irritant effect:
  - on the skin: No irritant effect.
  - on the eye: No irritating effect.
- Sensitization: No sensitizing effects known.
- Additional toxicological information:
  The product shows the following dangers according to internally approved calculation methods for preparations:

12 Ecological information

- Aquatic toxicity: No further relevant information available.
- Persistence and degradability: No further relevant information available.
- Behavior in environmental systems:  
  - Bioaccumulative potential: No further relevant information available.
- Additional ecological information:
  - General notes:  
    The product may not be released into the environment without control. 
    Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

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.

14 Transport information

- UN-Number
  - DOT, ADR, IMDG, IATA: UN1993
- UN proper shipping name
  - DOT, IMDG, IATA: FLAMMABLE LIQUID, N.O.S. (BUTYL ACETATES)  
  - ADR: 1993 FLAMMABLE LIQUID, N.O.S. (not viscous) (BUTYL ACETATES)
- Transport hazard class(es)
  - DOT, IMDG, IATA
    - Class: 3 Flammable liquids.
    - Label: 3
  - ADR
    - 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.
### 15 Regulatory information

- **Sara**
  - **Section 355 (extremely hazardous substances):**
    None of the ingredients is listed.
  - **Section 313 (Specific toxic chemical listings):**
    None of the ingredients is listed.
  - **TSCA (Toxic Substances Control Act):**
    All ingredients are listed.
  - **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.
    - **IARC (International Agency for Research on Cancer)**
      None of the ingredients is listed.
    - **NTP (National Toxicology Program)**
      None of the ingredients is listed.
    - **TLV (Threshold Limit Value established by ACGIH)**
      None of the ingredients is listed.
    - **MAK (German Maximum Workplace Concentration)**
      None of the ingredients is listed.
    - **NIOSH-Ca (National Institute for Occupational Safety and Health)**
      None of the ingredients is listed.
    - **OSHA-Ca (Occupational Safety & Health Administration)**
      None of the ingredients is listed.
  - **Canadian Substances Listings:**
    - **Canadian Domestic Substances List (DSL):**
      All ingredients are listed.
    - **Canadian Ingredient disclosure list (limit 0.1%):**
      All ingredients are listed.
    - **Canadian Ingredient disclosure list (limit 1%):**
      123-86-4 | n-butyl acetate
  - **Product related hazard informations:**
    The product has been classified and marked in accordance with directives on hazardous materials.
  - **Hazard symbols:**
    ![Xn Harmful]
Trade name: Deprit Professional 4

- Hazard-determining components of labelling:
  Isoparaffin C10-C13

- Risk phrases:
  Flammable.
  Harmful. may cause lung damage if swallowed.

- Safety phrases:
  In case of fire, use sand, carbon dioxide or powdered extinguishing agent. Never use water.
  If swallowed, seek medical advice immediately and show this container or label.
  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. The information of Items 4 through 6 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 MSDS:
  Abteilung TQM
  Herr Vogel
  +49 (0) 611/9271-175
  Contact: Herr Vogel

* Data compared to the previous version altered.
1 Identification of the substance/mixture and of the company/undertaking

- **Product identifier**
  - **Trade name:** Deprit Professional 5
  - **Article number:** 2300

- **Application of the substance / the preparation**
  - Postspotting agent for textile cleaning, stain remover for metallic stains and rust

- **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 Vogel
    - +49 (0) 611 9271-175
    - Kurt.Vogel@kreussler.com
  - **Emergency telephone number:** +49 (0) 611 9271-0

2 Composition/information on ingredients

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

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS Number</th>
<th>Risk phrase</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>citric acid</td>
<td>77-92-9</td>
<td>Xi R36</td>
<td>5.0-15%</td>
</tr>
<tr>
<td>oxalic acid</td>
<td>144-62-7</td>
<td>Xn R21/22</td>
<td>1.0-5.0%</td>
</tr>
</tbody>
</table>

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

3 Hazards identification

- **Classification of the substance or mixture**
  - **Classification according to Directive 67/548/EEC or Directive 1999/45/EC** Not applicable.

  **Information concerning particular hazards for human and environment:**
  The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

- **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**
  - **Labelling according to EU guidelines:**
    - Observe the general safety regulations when handling chemicals.
    - The product is not subject to identification regulations according to directives on hazardous materials.
  - **Classification system:**
  - **NFPA ratings (scale 0 - 4)**

  ![NFPA Ratings](image)
  - Health = 0
  - Fire = 0
  - Reactivity = 0

(Contd. on page 2)
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:** Rinse with warm water.
  If skin irritation continues, consult a doctor.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.

5 Firefighting measures

- **Suitable extinguishing agents:**
  CO2, extinguishing 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 arising from the substance or mixture** No further relevant information available.
- **Protective equipment:** Use normal protective clothing.
- **Additional information**
  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:**
  Dilute with plenty of water.
  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** No special measures required.
  **Information about protection against explosions and fires:** No special measures required.
- **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** None.
  **Specific end use(s)** No further relevant information available.
Material Safety Data Sheet
acc. to ISO/DIS 11014

Trade name: Deprit Professional 5

(Contd. of page 2)

8 Exposure controls/personal protection

- Additional information about design of technical systems: No further data; see item 7.
- Components with limit values that require monitoring at the workplace:

<table>
<thead>
<tr>
<th>Component</th>
<th>PEL</th>
<th>REL</th>
<th>TLV</th>
</tr>
</thead>
<tbody>
<tr>
<td>144-62-7 oxalic acid (1.0-5.0%)</td>
<td>1 mg/m³</td>
<td>Short-term value: 2 mg/m³</td>
<td>Short-term value: 2 mg/m³</td>
</tr>
<tr>
<td></td>
<td>Long-term value: 1 mg/m³</td>
<td>Long-term value: 1 mg/m³</td>
<td></td>
</tr>
</tbody>
</table>

- Additional information: The lists that were valid during the creation were used as basis.
- 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 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:
Leather gloves
Strong gloves
- Eye protection:

![Tightly sealed goggles]

- Body protection: Protective work clothing

9 Physical and chemical properties

- General Information
  Appearance:
  | Fluid |
  | Colorless |
  | Characteristic |
  | pH-value at 20°C (68 °F): | 2 |
  | Change in condition |
  | Melting point/Melting range: | Undetermined. |
  | Boiling point/Boiling range: | Undetermined. |
  | Flash point: | Not applicable. |
  | Auto igniting: | Product is not selfigniting. |
  | Danger of explosion: | Product does not present an explosion hazard. |
10 Stability and reactivity

- Thermal decomposition / conditions to be avoided:
  No decomposition if used according to specifications.
- Incompatible materials: No further relevant information available.
- Hazardous decomposition products: No dangerous decomposition products known.

11 Toxicological information

- Acute toxicity:
  - LD/LC50 values that are relevant for classification:
    144-62-7 oxalic acid
    Oral LD-50: 375 mg/kg (rat)

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

- Additional toxicological information:
  The product is not subject to classification according to internally approved calculation methods for preparations.
  When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

12 Ecological information

- Aquatic toxicity: No further relevant information available.
- 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.
- Additional ecological information:
- General notes:
  The product may not be released into the environment without control.
  Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

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.
### 14 Transport information

- **UN-Number**
  - DOT, ADR, ADN, IMDG, IATA: Void

- **UN proper shipping name**
  - DOT, ADR, ADN, IMDG, IATA: Void

- **Transport hazard class(es)**
  - DOT, ADR, IMDG, IATA: Void
    - **Class**
    - Label: -
    - ADN/R Class: Void

- **Packing group**
  - DOT, ADR, IMDG, IATA: Void

- **Environmental hazards:**
  - Marine pollutant: No

- **Special precautions for user**
  - Not applicable.

- **Danger code (Kemler):**
  - Not applicable.

- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**
  - Not applicable.

### 15 Regulatory information

- **Sara**
  - Section 355 (extremely hazardous substances): None of the ingredient is listed.

- Section 313 (Specific toxic chemical listings):
  - None of the ingredients is listed.

- **TSCA (Toxic Substances Control Act):**
  - All ingredients are listed.

- **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.

- **Cancerogenicity categories**
  - EPA (Environmental Protection Agency)
    - None of the ingredients is listed.

  - IARC (International Agency for Research on Cancer)
    - None of the ingredients is listed.

  - NTP (National Toxicology Program)
    - None of the ingredients is listed.
Trade name: Deprit Professional 5

- **TLV (Threshold Limit Value established by ACGIH)**
  None of the ingredients is listed.

- **MAK (German Maximum Workplace Concentration)**
  None of the ingredients is listed.

- **NIOSH-Ca (National Institute for Occupational Safety and Health)**
  None of the ingredients is listed.

- **OSHA-Ca (Occupational Safety & Health Administration)**
  None of the ingredients is listed.

**Canadian Substances Listings:**

- **Canadian Domestic Substances List (DSL):**
  - 77-92-9 citric acid
  - 144-62-7 oxalic acid

- **Canadian Ingredient disclosure list (limit 0.1%)**
  All ingredients are listed.

- **Canadian Ingredient disclosure list (limit 1%)**
  - 77-92-9 citric acid

**Product related hazard informations:**
Observe the general safety regulations when handling chemicals.
The product is not subject to identification regulations according to directives on hazardous materials.

### 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 MSDS:**
Abteilung TQM
Herr Vogel
+49 (0) 611/9271-175
Contact: Herr Vogel
* Data compared to the previous version altered.*
1 Identification of the substance/mixture and of the company/undertaking

· Product identifier

· Trade name: Deprit Professional 6

· Article number: 2302

· Application of the substance / the preparation 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 Vogel
  · +49 (0) 611 9271-175
  · Kurt.Vogel@kreussler.com

· Emergency telephone number: +49 (0) 611 9271-0

2 Composition/information on ingredients

· Chemical characterization: Mixtures

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

· Dangerous components:

| 106232-83-1 | Alcohol(s) C13-C15 branched and linear, ethoxylated | Xn R22; Xi R41 | 5.0-15% |
| 94441-92-6 | Sodium salt of a short-chained alkylaminocarboxylats | ≤1% |

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

3 Hazards identification

· Classification of the substance or mixture

· Classification according to Directive 67/548/EEC or Directive 1999/45/EC
  · Irritant

· Irritating to eyes.

· 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.

· 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

· Labelling according to EU guidelines:
  The product has been classified and marked in accordance with directives on hazardous materials.

· Code letter and hazard designation of product:

  X: Irritant

· Risk phrases:
  Irritating to eyes.

(Contd. on page 2)
Material Safety Data Sheet
acc. to ISO/DIS 11014

Trade name: Deprit Professional 6

(Contd. of page 1)

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:
  - Rinse with warm water.
  - If skin irritation continues, consult a doctor.
- 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 Firefighting measures

- Suitable extinguishing agents:
  - CO2, extinguishing 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 arising from the substance or mixture: Product itself does not burn.
- Protective equipment: Use normal protective clothing.
- Additional information:
  Collect contaminated fire fighting water separately. It must not enter the sewage system.

6 Accidental release measures

- Personal precautions, protective equipment and emergency procedures:
  - Wear protective equipment. Keep unprotected persons away.
- Environmental precautions:
  - Dilute with plenty of 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: No special measures required.
  - Information about protection against explosions and fires: No special measures required.
8 Exposure controls/personal protection

- Additional information about design of technical systems: No further data; see item 7.
- Components with limit values that require monitoring at the workplace:
  The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- Additional information: The lists that were valid during the creation were used as basis.
- 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 required.
  Protection of hands:

  - Protective gloves

  - Material of gloves
    PVC or PE gloves
    Recommended thickness of the material: \( \geq 0.4 \) mm
  - 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

<table>
<thead>
<tr>
<th>General Information</th>
<th>Fluid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance:</td>
<td></td>
</tr>
<tr>
<td>Form:</td>
<td></td>
</tr>
<tr>
<td>Color:</td>
<td>Colorless</td>
</tr>
<tr>
<td>Odor:</td>
<td>Characteristic</td>
</tr>
</tbody>
</table>

| pH-value at 20°C (68 °F): | 10 |

<table>
<thead>
<tr>
<th>Change in condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Melting point/Melting range: Undetermined.</td>
</tr>
<tr>
<td>Boiling point/Boiling range: Undetermined.</td>
</tr>
</tbody>
</table>

- Flash point: Not applicable.
- Auto igniting: Product is not selfigniting.
- Danger of explosion: Product does not present an explosion hazard.
Material Safety Data Sheet
acc. to ISO/DIS 11014

Trade name: Deprit Professional 6

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vapor pressure</td>
<td>Undetermined</td>
</tr>
<tr>
<td>Density at 20°C (68°F)</td>
<td>1.01 g/cm³ (8.428 lbs/gal)</td>
</tr>
<tr>
<td>Solubility in / Miscibility with Water</td>
<td>Fully miscible</td>
</tr>
<tr>
<td>Solvent content:</td>
<td></td>
</tr>
<tr>
<td>Organic solvents:</td>
<td>0.0 %</td>
</tr>
<tr>
<td>Other information:</td>
<td>No further relevant information available.</td>
</tr>
</tbody>
</table>

10 Stability and reactivity

- Thermal decomposition / conditions to be avoided:
  No decomposition if used according to specifications.
- Incompatible materials: No further relevant information available.
- Hazardous decomposition products: No dangerous decomposition products known.

11 Toxicological information

- Acute toxicity:
  - LD50/LC50 values that are relevant for classification:
    Acute oral toxicity: >2000mg/kg (Rats) calculated from data of constituent parts.
- 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 internally approved calculation methods for preparations:
  Irritant

12 Ecological information

- Aquatic toxicity: No further relevant information available.
- 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.
- 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 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.
  The product may not be released into the environment without control.

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, ADN, IMDG, IATA  Void

- UN proper shipping name
  - DOT, ADR, ADN, IMDG, IATA  Void

- Transport hazard class(es)
  - DOT, ADR, ADN, IMDG, IATA  Void
  - Class  Void

- Packing group
  - DOT, ADR, IMDG, IATA  Void

- Environmental hazards:
  - Marine pollutant:  No

- Special precautions for user  Not applicable.

- Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code  Not applicable.

15 Regulatory information

- Sara
  - Section 355 (extremely hazardous substances):
    None of the ingredient is listed.
  - Section 313 (Specific toxic chemical listings):
    None of the ingredients is listed.

- TSCA (Toxic Substances Control Act):
  - 164462-16-2 | Alanine, N,N-bis(carboxymethyl)-, trisodium salt at aq.
  - 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.
  - IARC (International Agency for Research on Cancer)
    None of the ingredients is listed.
  - NTP (National Toxicology Program)
    None of the ingredients is listed.
  - TLV (Threshold Limit Value established by ACGIH)
    None of the ingredients is listed.
  - MAK (German Maximum Workplace Concentration)
    None of the ingredients is listed.
Trade name: Deprit Professional 6

NIOSH-Ca (National Institute for Occupational Safety and Health)
None of the ingredients is listed.

OSHA-Ca (Occupational Safety & Health Administration)
None of the ingredients is listed.

Canadian Substances Listings:

Canadian Domestic Substances List (DSL):
- 106232-83-1 | Alcohols C13-C15 branched and linear, ethoxylated
- 26297-55-0 | colour protection

Canadian Ingredient disclosure list (limit 0.1%)
All ingredients are listed.

Canadian Ingredient disclosure list (limit 1%)
None of the ingredients is listed.

Product related hazard informations:
The product has been classified and marked in accordance with directives on hazardous materials.

Hazard symbols:

Xi Irritant

Risk phrases:
Irritating to eyes.

Safety phrases:
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Wear 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 present state of our experience.
Non-ionic tensides can have varying characteristics and classifications despite same CAS-No.

Department issuing MSDS:
Abteilung TQM
Herr Vogel
+49 (0) 611/9271-175
Contact: Herr Vogel

* Data compared to the previous version altered.