1 Identification

- Product identifier
- Trade name: Colorsol x
  - Application of the substance / the mixture
    Dry-cleaning
    Spotting agent, stain remover
- Details of the supplier of the safety data sheet
  - Manufacturer/Supplier:
    SEITZ GmbH
    Gutenbergstrasse 1 - 3
    65830 Kriftel / Germany
    Tel. + 49(0) 6192-9948-0
    Fax + 49(0) 6192-9948-99
    order@seitz24.com
    www.seitz24.com
  - Information department:
    CHEM-TEL Inc.
    1305 North Florida Ave
    Tampa Florida 33602
  - Emergency telephone number: 1-800-255-3924 (24-hour Service)

2 Hazard(s) identification

- Classification of the substance or mixture
  - GHS05 Corrosion
    Eye Dam. 1 H318 Causes serious eye damage.
  - GHS07
    Skin Irrit. 2 H315 Causes skin irritation.

- Label elements
  - GHS label elements
    The product is classified and labeled according to the Globally Harmonized System (GHS).
  - Hazard pictograms

- Signal word Danger
  - Hazard-determining components of labeling:
    benzenesulfonic acid, C10-13-alkyl derivs., sodium salts
    stearylamine, ethoxylated

(Contd. on page 2)
Hazard statements
H315 Causes skin irritation.
H318 Causes serious eye damage.

Precautionary statements
P280 Wear protective gloves / eye protection.
P302+P352 If on skin: Wash with plenty of water.
P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a poison center/doctor.
P332+P313 If skin irritation occurs: Get medical advice/attention.

Composition/information on ingredients
Chemical characterization: Mixtures
- CAS-No. Components:
  - CAS: 34590-94-8 dipropylene glycol monomethylether 25 – 50%
  - CAS: 68411-30-3 benzenesulfonic acid, C10-13-alkyl derivs., sodium salts < 15%
  - CAS: 623-84-7 propane-1,2-diyl diacetate < 10%
  - CAS: 26635-92-7 stearylamine, ethoxylated < 10%
  - CAS: 68551-17-7 alkanes, C10-13-iso- < 2%

Additional information
For the wording of the listed hazard phrases refer to section 16.

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 Immediately rinse with 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 Rinse out mouth and then drink plenty of water.
Do not induce vomiting; immediately call for medical help.

Information for doctor
Most important symptoms and effects, both acute and delayed
Eye damage
Skin irritation

Indication of any immediate medical attention and special treatment needed
Symptomatic treatment
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.
- **For safety reasons unsuitable extinguishing agents** No further relevant information available.
- **Special hazards arising from the substance or mixture**
  Formation of toxic gases is possible during heating or in case of fire.
- **Advice for firefighters**
- **Protective equipment:**
  Do not inhale explosion gases or combustion gases.
  Wear self-contained respiratory protective device.
- **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.
  Ensure adequate ventilation
  Avoid contact with eyes and skin.
- **Environmental precautions:** Do not allow product to reach sewage system or any water course.
- **Methods and material for containment and cleaning up:**
  Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
  Send for recovery or disposal in suitable receptacles.
- **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.
  Avoid contact with eyes and skin.
  Ensure good ventilation/exhaustion at the workplace.
  Prevent formation of aerosols.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage**
  - **Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.
  - **Information about storage in one common storage facility:** Store away from foodstuffs.
  - **Further information about storage conditions:**
    - Protect from heat and direct sunlight.
    - Store in cool, dry conditions in well sealed receptacles.
Protect from frost.
Time of storage: max. 18 month

- **Specific end use(s)** Dry-cleaning

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### 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:**
  The following constituent is the only constituent of the product which has a PEL, TLV or other recommended exposure limit.
  At this time, the other constituents have no known exposure limits.

<table>
<thead>
<tr>
<th>CAS: 34590-94-8 dipropylene glycol monomethylether</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PEL</strong></td>
<td>Long-term value: 600 mg/m³, 100 ppm</td>
</tr>
<tr>
<td>Skin</td>
<td></td>
</tr>
<tr>
<td><strong>REL</strong></td>
<td>Short-term value: 900 mg/m³, 150 ppm</td>
</tr>
<tr>
<td>Long-term value: 600 mg/m³, 100 ppm</td>
<td></td>
</tr>
<tr>
<td>Skin</td>
<td></td>
</tr>
<tr>
<td><strong>TLV</strong></td>
<td>Short-term value: 909 mg/m³, 150 ppm</td>
</tr>
<tr>
<td>Long-term value: 606 mg/m³, 100 ppm</td>
<td></td>
</tr>
<tr>
<td>Skin</td>
<td></td>
</tr>
</tbody>
</table>

- **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.
  Keep away from foodstuffs, beverages and feed.
  Do not eat, drink, smoke or sniff while working.
  Immediately remove all soiled and contaminated clothing
  Wash hands before breaks and at the end of work.
  Avoid contact with the eyes and skin.
  Do not inhale gases / fumes / aerosols.

- **Breathing equipment:**
  Ensure good ventilation/exhaustion at the workplace.
  Use suitable respiratory protective device in case of insufficient ventilation (exceeding the workplace limit values, formation of aerosols).

- **Protection of hands:**
  Protective gloves.
  The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

- **Material of gloves**
  Nitrile rubber, NBR
  The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
9 Physical and chemical properties

- Information on basic physical and chemical properties
  - General Information
    - Appearance:
      - Form: Fluid
      - Color: Yellow
  - Odor: Product specific
  - Odor threshold: No further relevant information available.

- pH-value (100 g/l) at 20 °C (68 °F): ~ 9,5

- Change in condition
  - Melting point/Melting range: undetermined
  - Boiling point/Boiling range: undetermined

- Flash point: Not applicable

- Flammability (solid, gaseous) No further relevant information available.

- Ignition temperature: No further relevant information available.

- Decomposition temperature: No further relevant information available.

- Auto igniting: Product is not selfigniting.

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

- Explosion limits:
  - Lower: No further relevant information available.
  - Upper: No further relevant information available.

- Oxidizing properties
  - No further relevant information available.

- Vapor pressure: No further relevant information available.

- Density at 20 °C (68 °F): ~ 1.01 g/cm3 (ISO 2811)

- Relative density
  - No further relevant information available.

- Vapor density
  - No further relevant information available.

- Evaporation rate
  - No further relevant information available.

- Solubility in / Miscibility with
  - Water: Fully miscible

- Partition coefficient (n-octanol/water): No further relevant information available.

- Viscosity:
  - dynamic: No further relevant information available.
  - kinematic: No further relevant information available.
Safety Data Sheet
acc. to OSHA HCS

Printing date 04/17/2018 Reviewed on 04/17/2018

Trade name: Colorsol x

10 Stability and reactivity

- Reactivity No further relevant information available.
- Chemical stability
  Stable under normal ambient conditions.
  No decomposition if used and stored according to specifications.
- Possibility of hazardous reactions None if used as directed.
- Conditions to avoid No further relevant information available.
- Incompatible materials: Strong oxidizing agents
- 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:

    ATE (Acute Toxicity Estimate)
    
    | Type       | LD50/ LC50 |
    |------------|-----------|
    | Oral       | > 6,667 mg/kg (rat) |
    | Dermal     | > 8,889 mg/kg |

    CAS: 34590-94-8 dipropylene glycol monomethylether
    
    | Type       | LD50    |
    |------------|---------|
    | Oral       | > 5,000 mg/kg (rat) |
    | Dermal     | 9,500 mg/kg (rabbit) |
    | Inhalative | LC50 (7h) 3.35 mg/l (rat) |

    CAS: 68411-30-3 benzenesulfonic acid, C10-13-alkyl derivs., sodium salts
    
    | Type       | LD50 |
    |------------|------|
    | Oral       | 1,080 mg/kg (rat) |
    | Dermal     | > 2,000 mg/kg (rat) |

    CAS: 623-84-7 propane-1,2-diydi diacetate
    
    | Type       | LD50 |
    |------------|------|
    | Oral       | > 5,000 mg/kg (rat) |
    | Dermal     | > 2,000 mg/kg (rabbit) |

    CAS: 26635-92-7 stearylamine, ethoxylated
    
    | Type       | LD50 |
    |------------|------|
    | Oral       | > 2,000 mg/kg (rat) |

    CAS: 68551-17-7 alkanes, C10-13-iso-
    
    | Type       | LD50 |
    |------------|------|
    | Oral       | > 5,000 mg/kg (rat) |
    | Dermal     | > 5,000 mg/kg (rabbit) |

- Skin corrosion/irritation Causes skin irritation.
- Serious eye damage/irritation Causes serious eye damage.
- Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
Safety Data Sheet  
acc. to OSHA HCS

Printing date 04/17/2018  
Reviewed on 04/17/2018

Trade name: Colorsol x

12 Ecological information

Toxicity

Aquatic toxicity:

<table>
<thead>
<tr>
<th>CAS: 34590-94-8 dipropylene glycol monomethylether</th>
</tr>
</thead>
<tbody>
<tr>
<td>EC50  &gt; 969 mg/l (Aquatic plants, algae) (96 h; Scenedesmus capricornutum)</td>
</tr>
<tr>
<td>1,919 mg/l (Aquatic invertebrates) (48 h; Daphnia)</td>
</tr>
<tr>
<td>LC50  &gt; 10,000 mg/l (Fish) (96 h; Pimephales promelas)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CAS: 623-84-7 propane-1,2-diyl diacetate</th>
</tr>
</thead>
<tbody>
<tr>
<td>EC50 (3h)  &gt; 1,000 mg/l (Belebtschlamm) (OECD 209)</td>
</tr>
<tr>
<td>LC50     82 mg/l (Fish) (96 h; Poecilia reticulata)</td>
</tr>
<tr>
<td>237 mg/l (Aquatic invertebrates) (48 h; Daphnia magna)</td>
</tr>
<tr>
<td>ErC50    273 mg/l (Aquatic plants, algae) (72 h; Pseudokirchneriella subcapitata)</td>
</tr>
</tbody>
</table>

Persistence and degradability No further relevant information available.

Behavior in environmental systems:

Mobility in soil No further relevant information available.

Additional ecological information:

General notes:

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

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

Results of PBT and vPvB assessment

PBT: Not applicable.

(Contd. on page 8)
Trade name: Colorsol x

- vPvB: Not applicable.
- Other adverse effects No further relevant information available.

13 Disposal considerations
- Waste treatment methods
  - Recommendation:
    Contaminated adsorbent, soil, water must be disposed of in a permitted hazardous waste management facility. Recovered products may be reused, reprocessed or incinerated or must be treated in a permitted hazardous waste management facility. It is your duty to dispose of the chemical materials and/or their containers in accordance with the Clean Air Act, The Clean Water Act, RCRA, as well as applicable Federal, State, and local Regulations regarding disposal.

14 Transport information
- UN-Number
  - DOT Void
  - ADR, IMDG, IATA UN3082
- UN proper shipping name
  - DOT Void
  - ADR 3082 Environmentally hazardous substances, liquid, n.o.s. (stearylamine, ethoxylated)
  - IMDG ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (stearylamine, ethoxylated), MARINE POLLUTANT
  - IATA ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (stearylamine, ethoxylated)
- Transport hazard class(es)
  - DOT Void
  - Class
    - ADR Void
      - Class 9 (M6) Miscellaneous dangerous substances and articles
      - Label 9
### IMDG, IATA

<table>
<thead>
<tr>
<th>Class</th>
<th>9 Miscellaneous dangerous substances and articles</th>
</tr>
</thead>
<tbody>
<tr>
<td>Label</td>
<td>9</td>
</tr>
</tbody>
</table>

| Packing group | Void |
| DOT | III |
| ADR, IMDG, IATA | |

### Environmental hazards:
Product contains environmentally hazardous substances: stearylamine, ethoxylated

### Marine pollutant:
Symbol (fish and tree)

### Special marking (ADR):
Symbol (fish and tree)

### Special marking (IATA):
Symbol (fish and tree)

### Special precautions for user
Warning: Miscellaneous dangerous substances and articles

| Danger code (Kemler) | 90 |
| EMS Number | F-A,S-F |
| Stowage Category | A |

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

### Transport/Additional information:
Not dangerous according to the above specifications.

| ADR | Code: E1 |
| Excepted quantities (EQ) | Maximum net quantity per inner packaging: 30 ml |
| | Maximum net quantity per outer packaging: 1000 ml |

| IMDG | |
| Limited quantities (LQ) | 5L |
| Excepted quantities (EQ) | Code: E1 |
| | Maximum net quantity per inner packaging: 30 ml |
| | Maximum net quantity per outer packaging: 1000 ml |

| UN "Model Regulation": |
| UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S. (STEARYLAMINE, ETHOXYLATED), 9, III |

### 15 Regulatory information

| Sara | |
| Section 355 (extremely hazardous substances): |
| None of the ingredients is listed. |
Trade name: Colorsol x

- **Section 313 (specific toxic chemical listings):**
  - CAS: 1336-21-6 ammonia

- **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.

- **New Jersey Right-to-Know List:**
  - CAS: 34590-94-8 dipropylene glycol monomethylether
  - CAS: 1336-21-6 ammonia

- **New Jersey Special Hazardous Substance List:**
  - CAS: 1336-21-6 ammonia CO

- **Pennsylvania Right-to-Know List:**
  - CAS: 34590-94-8 dipropylene glycol monomethylether
  - CAS: 1336-21-6 ammonia

- **Pennsylvania Special Hazardous Substance List:**
  - CAS: 1336-21-6 ammonia E

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

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

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

- **National regulations**
- **Other regulations, limitations and prohibitive regulations**
- **Please note:**
  The information herein is presented in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied is given. Regulatory requirements are subject to change and may differ from one location to another. It is the buyers responsibility to ensure that its activities comply with Federal, State or provincial, and local laws. The following specific information is made for the purpose of complying with numerous laws and regulations.

- **Other information:** The product has been designed for professional use only.
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.

- **Date of preparation / last revision** 04/17/2018 / 3
- **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)
  - LC50: Lethal concentration, 50 percent
  - LD50: Lethal dose, 50 percent
  - PBT: Persistent, Bioaccumulative and Toxic
  - vPvB: very Persistent and very Bioaccumulative
  - NIOSH: National Institute for Occupational Safety
  - OSHA: Occupational Safety & Health
  - TLV: Threshold Limit Value
  - PEL: Permissible Exposure Limit
  - REL: Recommended Exposure Limit
  - Skin Irrit. 2: Skin corrosion/irritation – Category 2
  - Eye Dam. 1: Serious eye damage/eye irritation – Category 1
- * Data compared to the previous version altered.