1 Identification

- Product identifier
  - Trade name: EnviClin Touch x
  - Application of the substance / the mixture
    Dry-cleaning
    Detergent

- 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

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.
  Flam. Liq. 4 H227 Combustible liquid.

Label elements

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

Hazard pictograms

GHS05

- Signal word Danger

- Hazard-determining components of labeling:
  isotridecanol, ethoxylated

- Hazard statements
  H227 Combustible liquid.
  H315 Causes skin irritation.
  H318 Causes serious eye damage.
Trade name: EnviClin Touch x

- **Precautionary statements**
  - P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
  - P280 Wear protective gloves / eye protection.
  - 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.
  - P302+P352 IF ON SKIN: Wash with plenty of water.
  - P332+P313 If skin irritation occurs: Get medical advice/attention.

- **Other hazards**
  - Results of PBT and vPvB assessment
    - PBT: Not applicable.
    - vPvB: Not applicable.

### 3 Composition/information on ingredients

- **Chemical characterization: Mixtures**

<table>
<thead>
<tr>
<th>CAS-No.</th>
<th>Components:</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS: 69011-36-5</td>
<td>isotridecanol, ethoxylated</td>
<td>50 - 75%</td>
</tr>
<tr>
<td>CAS: 157905-74-3</td>
<td>ethanaminium, 2-hydroxy-N,N-bis(2-hydroxyethyl)-N-methyl-, esters with C16-18 and C18-unsatd. fatty acids, Me sulfates (salts)</td>
<td>&lt; 20%</td>
</tr>
<tr>
<td>CAS: 67-63-0</td>
<td>2-propanol</td>
<td>&lt; 2.5%</td>
</tr>
</tbody>
</table>

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

### 4 First-aid measures

- **Description of first aid measures**
  - **General information** Immediately remove any clothing soiled by the product.
  - **After inhalation** Supply fresh air; consult doctor in case of complaints.
  - **After skin contact**
    - 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.

(Contd. on page 3)
Trade name: EnviClin Touch x

For safety reasons unsuitable extinguishing agents: Water with full jet.

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:
- Wear self-contained respiratory protective device.
- Do not inhale explosion gases or combustion gases.

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.
- Avoid contact with eyes and skin.
- Ensure adequate ventilation

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.
  - Ensure good ventilation/exhaustion at the workplace.
  - Avoid contact with eyes and skin.
- Information about protection against explosions and fires:
  - Keep ignition sources away - Do not smoke.
- 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. 24 month
  - Specific end use(s): Dry-cleaning

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: 67-63-0 2-propanol</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PEL (USA)</strong></td>
</tr>
<tr>
<td><strong>REL (USA)</strong></td>
</tr>
<tr>
<td><strong>Long-term value:</strong></td>
</tr>
<tr>
<td><strong>TLV (USA)</strong></td>
</tr>
<tr>
<td><strong>Long-term value:</strong></td>
</tr>
<tr>
<td><strong>BEI</strong></td>
</tr>
<tr>
<td><strong>EL (Canada)</strong></td>
</tr>
<tr>
<td><strong>Long-term value:</strong></td>
</tr>
<tr>
<td><strong>EV (Canada)</strong></td>
</tr>
<tr>
<td><strong>Long-term value:</strong></td>
</tr>
</tbody>
</table>

Ingredients with biological limit values:

<table>
<thead>
<tr>
<th>CAS: 67-63-0 2-propanol</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>BEI (USA)</strong></td>
</tr>
<tr>
<td><strong>Medium:</strong></td>
</tr>
<tr>
<td><strong>Time:</strong></td>
</tr>
<tr>
<td><strong>Parameter:</strong></td>
</tr>
</tbody>
</table>

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

Exposure controls

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:
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.

Penetration time of glove material
The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
9 Physical and chemical properties

- Information on basic physical and chemical properties
  - General Information
    - Appearance:
      - Form: Fluid
      - Color: Light yellow
    - Odor: Product specific
    - Odor threshold: No further relevant information available.
  - pH-value (100 g/l) at 20 °C (68 °F): ~ 7.5
  - Change in condition
    - Melting point/Melting range: not applicable
    - Boiling point/Boiling range: undetermined
  - Flash point: 65 °C (149 °F) (ASTM D93 c.c)
  - 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): ~ 0.99 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: Emulsifiable
  - Partition coefficient (n-octanol/water): No further relevant information available.
  - Viscosity:
    - dynamic: No further relevant information available.
    - kinematic: No further relevant information available.
  - Other information No further relevant information available.

10 Stability and reactivity

- Reactivity No further relevant information available.
- Chemical stability
  Stable under normal ambient conditions.
Trade name: EnviClin Touch x

43.2.18

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:**
  - **CAS: 69011-36-5 isotridecanol, ethoxylated**
    - Oral LD50 > 2000 mg/kg (rat)
    - Dermal LD50 > 2000 mg/kg (rabbit)
  - **CAS: 157905-74-3 ethanaminium, 2-hydroxy-N,N-bis(2-hydroxyethyl)-N-methyl-, esters with C16-18 and C18-unsatd. fatty acids, Me sulfates (salts)**
    - Oral LD50 4480 mg/kg (rat) (OECD 401)
    - Dermal LD50 > 2000 mg/kg (rat) (OECD 402)
  - **CAS: 67-63-0 2-propanol**
    - Oral LD50 5840 mg/kg (rat) (OECD 401)
    - Dermal LD50 12800 mg/kg (rabbit) (OECD 402)
    - Inhalative LC50 > 25 mg/l (rat) (6h, OECD 403)

- **on the skin:** Causes skin irritation.
- **on the eye:** Causes serious eye damage.
- **Sensitization:** Based on available data, the classification criteria are not met.
- **Additional toxicological information:**
  - **Carcinogenic categories**
    - **IARC (International Agency for Research on Cancer)**
      - CAS: 67-63-0 2-propanol
        - 3
    - **NTP (National Toxicology Program)**
      - None of the ingredients is listed.
    - **OSHA-Ca (Occupational Safety & Health Administration)**
      - None of the ingredients is listed.

### 12 Ecological information

#### Toxicity

- **Aquatic toxicity:**
  - **CAS: 69011-36-5 isotridecanol, ethoxylated**
    - EC50 > 1 mg/l (Aquatic plants, algae) (72 h; Desmodesmus subspicatus; OECD 201)
      - > 1 mg/l (Aquatic invertebrates) (48 h; Daphnia magna; OECD 202)
    - LC50 > 1 mg/l (Fish) (96 h; Cyprinus carpio; OECD 203)
    - NOEC 1.36 mg/l (Aquatic invertebrates) (21 d; Daphnia magna)
Trade name: EnviClin Touch x

CAS: 67-63-0 2-propanol

<table>
<thead>
<tr>
<th>EC50</th>
<th>&gt; 100 mg/l (Aquatic plants, algae) (72 h; Scenedesmus subspicatus)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>9714 mg/l (Aquatic invertebrates) (24 h; Daphnia magna)</td>
</tr>
<tr>
<td>LC50</td>
<td>9640 mg/l (Fish) (96 h; Pimephales promelas)</td>
</tr>
</tbody>
</table>

- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
  - Bioaccumulative potential No further relevant information available.
  - 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 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.
  - 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 NA1993
  - ADR, ADN, IMDG, IATA Void

- **UN proper shipping name**
  - DOT COMBUSTIBLE LIQUID, N.O.S (Isopropanol)
  - ADR, ADN, IMDG, IATA Void

- **Transport hazard class(es)**
  - DOT
    - **Class** 3 Combustible liquids
    - **Label** 3
Trade name: EnviClin Touch x

- ADR, ADN, IMDG, IATA
  - Class: Void
- Packing group
  - DOT: III
  - ADR, IMDG, IATA: Void
- Environmental hazards: Not applicable.
- Special precautions for user: Not applicable.
- Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable.
- Transport/Additional information:
  - DOT
  - Quantity limitations: On passenger aircraft/rail: 60 L
  - On cargo aircraft only: 220 L
- UN "Model Regulation": Void

15 Regulatory information

- Canadian substance lists
  - Canadian domestic substance list (DSL): All ingredients are listed.
  - Canadian ingredient disclosure list (limit 0.1%): None of the ingredients is listed.
  - Canadian ingredient disclosure list (limit 1%): CAS: 67-63-0 2-propanol
- Sara
  - Section 355 (extremely hazardous substances): None of the ingredients is listed.
  - Section 313 (specific toxic chemical listings): CAS: 67-63-0 2-propanol
- 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.
### Trade name: EnviClin Touch x

(Contd. of page 8)

- **New Jersey Right-to-Know List:**
  - CAS: 67-63-0 2-propanol

- **New Jersey Special Hazardous Substance List:**
  - CAS: 67-63-0 2-propanol
    - F3

- **Pennsylvania Right-to-Know List:**
  - All ingredients are listed.

- **Pennsylvania Special Hazardous Substance List:**
  - CAS: 67-63-0 2-propanol
    - E

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

- **TLV (Threshold Limit Value established by ACGIH)**
  - CAS: 67-63-0 2-propanol
    - A4

- **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** 11/28/2016 / 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
  - BEI: Biological Exposure Limit
  - Flam. Liq. 4: Flammable liquids – Category 4
  - 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.