1 Identification

· Product identifier

· Trade name: ProChem® Hand Pro®

· Application of the substance / the mixture

This is a personal care or cosmetic product that is safe for consumers and other users under normal and reasonably foreseeable use. Cosmetics and consumer products, specifically defined by regulations around the world, are exempt from the requirement of an SDS for the consumer. While this material is not considered hazardous, this SDS contains valuable information critical to the safe handling and proper use of the product for industrial workplace conditions as well as unusual and unintended exposures such as large spills. This SDS should be retained and available for employees and other users of this product. For specific intended-use guidance, please refer to the information provided on the package or instruction sheet.

· Details of the supplier of the safety data sheet

· Manufacturer/Supplier:
  Chemical Consultants Inc.
  1850 Wild Turkey Circle
  Corona, CA 92880
  USA
  +1 (951) 735-5511
  ncollins@ccidom.com

· Information department: Product safety department

· Emergency telephone number: INFOTRAC 1-800-535-5053

2 Hazard(s) identification

· Classification of the substance or mixture

GHS07

Eye Irrit. 2A  H319  Causes serious eye irritation.

· Label elements

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

· Hazard pictograms

GHS07

· Signal word Warning

· Hazard statements

H319 Causes serious eye irritation.

· Precautionary statements

P280 Wear eye protection / face protection.

P264 Wash thoroughly after handling.

P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.
Trade name: ProChem® Hand Pro®

- Classification system:
  - NFPA ratings (scale 0 - 4)
    - Health = 2
    - Fire = 1
    - Reactivity = 0

- HMIS-ratings (scale 0 - 4)
  - Health = 1
  - Fire = 1
  - Reactivity = 0

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

3 Composition/information on ingredients

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

<table>
<thead>
<tr>
<th>Chemical Component</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>94266-47-4 citrus terpene</td>
<td>15-30%</td>
</tr>
<tr>
<td>8052-41-3 Stoddard solvent</td>
<td>&lt;10%</td>
</tr>
<tr>
<td>64366-70-7 2-Ethyl Hexanol EO-PO Nonionic Surfactant</td>
<td>&lt;10%</td>
</tr>
<tr>
<td>34590-94-8 (2-methoxymethyleneoxy)propanol</td>
<td>&lt;3%</td>
</tr>
</tbody>
</table>

4 First-aid measures

- Description of first aid measures
  - After inhalation: Supply fresh air; consult doctor in case of complaints.
  - After skin contact: Generally the product does not irritate the skin.
  - 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.
  - Information for doctor:
  - Most important symptoms and effects, both acute and delayed No further relevant information available.
  - Indication of any immediate medical attention and special treatment needed
    No further relevant information available.

5 Fire-fighting measures

- Extinguishing media
  - Suitable extinguishing agents:
    - CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
  - Special hazards arising from the substance or mixture No further relevant information available.
6 Accidental release measures

- Personal precautions, protective equipment and emergency procedures: Not required.
- Environmental precautions:
  - Dilute with plenty of water.
  - For large spills: 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: No special precautions are necessary if used correctly.
  - 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: No special requirements.
    - Information about storage in one common storage facility: Not required.
    - Further information about storage conditions: Keep receptacle tightly sealed.
    - Specific end use(s): No further relevant information available.

8 Exposure controls/personal protection

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

<table>
<thead>
<tr>
<th>Component</th>
<th>PEL</th>
<th>REL</th>
<th>TLV</th>
</tr>
</thead>
<tbody>
<tr>
<td>8052-41-3 Stoddard solvent</td>
<td>Long-term value: 2900 mg/m³, 500 ppm</td>
<td>Long-term value: 350 mg/m³</td>
<td>Ceiling limit value: 1800* mg/m³</td>
</tr>
<tr>
<td>34590-94-8 (2-methoxymethylethoxy)propanol</td>
<td>Long-term value: 600 mg/m³, 100 ppm</td>
<td>Long-term value: 900 mg/m³, 150 ppm</td>
<td>Skin</td>
</tr>
<tr>
<td></td>
<td>Long-term value: 600 mg/m³, 100 ppm</td>
<td>Long-term value: 606 mg/m³, 100 ppm</td>
<td>Skin</td>
</tr>
<tr>
<td></td>
<td>Short-term value: 909 mg/m³, 150 ppm</td>
<td>Long-term value: 909 mg/m³, 150 ppm</td>
<td>Skin</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:
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.
Avoid contact with the eyes and skin.

Breathing equipment: Not required.

Protection of hands:

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves
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 through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:

Tightly sealed goggles

9 Physical and chemical properties

Information on basic physical and chemical properties
General Information
Appearance:
Form: Fluid
Color: According to product specification
Odor: Characteristic
Odor threshold: Not determined.

pH-value: Not determined.

Change in condition
Melting point/Melting range: Undetermined.
Boiling point/Boiling range: 100 °C (212 °F)

Flash point: Not applicable.

Flammability (solid, gaseous): Not applicable.

Ignition temperature: 230 °C (446 °F)
### Decomposition temperature
Not determined.

### Auto igniting
Product is not self-igniting.

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

### Explosion limits

<table>
<thead>
<tr>
<th>Lower</th>
<th>Upper</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.1 Vol %</td>
<td>6.0 Vol %</td>
</tr>
</tbody>
</table>

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

### Density at 20 °C (68 °F)
0.9025 g/cm³ (7.531 lbs/gal)

### Partition coefficient (n-octanol/water)
Not determined.

### Solubility in / Miscibility with Water
Fully miscible.

### Viscosity

<table>
<thead>
<tr>
<th>Dynamic</th>
<th>Kinematic</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not determined.</td>
<td>Not determined.</td>
</tr>
</tbody>
</table>

### Solvent content

<table>
<thead>
<tr>
<th>VOC content</th>
</tr>
</thead>
<tbody>
<tr>
<td>341.1 g/l / 2.85 lb/gl</td>
</tr>
</tbody>
</table>

### Other information
No further relevant information available.

### Stability and reactivity

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

### Toxicological information

- **Information on toxicological effects**
- **Acute toxicity**
- **LD/LC50 values that are relevant for classification**

<table>
<thead>
<tr>
<th>94266-47-4 citrus terpene</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral LD50 &gt;5000 mg/kg (rabbit)</td>
</tr>
<tr>
<td>Dermal LD50 &gt;5000 mg/kg (rabbit)</td>
</tr>
</tbody>
</table>

- **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:
12 Ecological information

- Toxicity:
  - Aquatic toxicity:
    - 94266-47-4 citrus terpene
      - EC50 (static) 0.36 mg/kg (daphnia)
    - 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 undiluted product or large quantities of it to reach ground water, water course or sewage system.
    - Results of PBT and vPvB assessment
      - PBT: Not applicable.
      - vPvB: Not applicable.
    - Other adverse effects: No further relevant information available.

13 Disposal considerations

- Waste treatment methods:
  - Recommendation:
    - Dispose of content and/or container in accordance with local, regional, national and/or international regulations.
- Uncleaned packagings:
  - Recommendation:
    - Dispose of content and/or container in accordance with local, regional, national and/or international regulations
  - Recommended cleansing agent: Water, if necessary with cleansing agents.

14 Transport information

- UN-Number
  - DOT, ADN, IMDG, IATA: not regulated
- UN proper shipping name
  - DOT, ADN, IMDG, IATA: not regulated
### Safety Data Sheet

**Trade name:** ProChem® Hand Pro®

#### 8 Transport hazard class(es)
- DOT, ADN, IMDG, IATA
- Class: not regulated

#### 9 Packing group
- DOT, IMDG, IATA: not regulated

#### 10 Environmental hazards:
- Marine pollutant: No

#### 11 Special precautions for user
- Not applicable.

#### 12 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
- Not applicable.

#### 13 UN "Model Regulation":
- not regulated

### 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
  - **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.
  - **Carcinogenic categories**
    - 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.
    - GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS).
      - (Contd. on page 8)
· Hazard pictograms

GHS07

· Signal word Warning
· Hazard statements
  H319 Causes serious eye irritation.
· Precautionary statements
  P280 Wear eye protection / face protection.
  P264 Wash thoroughly after handling.
  P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
  P337+P313 If eye irritation persists: Get medical advice/attention.
· Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Department issuing SDS: Environment protection department.
· Contact: Mr. Collins
· Date of preparation / last revision 01/27/2016 / -
· Abbreviations and acronyms:
  ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
  IMDG: International Maritime Code for Dangerous Goods
  DOT: US Department of Transportation
  IATA: International Air Transport Association
  ACGIH: American Conference of Governmental Industrial Hygienists
  EINECS: European Inventory of Existing Commercial Chemical Substances
  ELINCS: European List of Notified Chemical Substances
  CAS: Chemical Abstracts Service (division of the American Chemical Society)
  NFPA: National Fire Protection Association (USA)
  HMIS: Hazardous Materials Identification System (USA)
  VOC: Volatile Organic Compounds (USA, EU)
  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
Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A