# CHEMEON® Cleaner 4100

## SECTION 1: Identification

**Product identifier:** **CHEMEON® Cleaner 4100**
**Other Names:** Not applicable.
**Product Code Number:** Not applicable.
**Recommended use:** Aluminum Soak/Spray Cleaner.
**Recommended restrictions:** Uses other than as recommended above.

**Manufacturer/Importer/Supplier/Distributor information:**

**Company Name:** CHEMEON Surface Technology, LLC.
**Company Address:** 2241 Park Place, Bldg. B
Minden, NV 89423.
**Company Telephone:** (775) 782-8324
**Company Contact Name:** Customer Service
8:00 AM – 5:00 PM PST, Mon-Fri.
**Emergency phone number:** Chemtrec 24 hr. Emergency Telephone
800-424-9300 within U.S
703-527-3887 outside U.S.

## SECTION 2: Hazard(s) identification

**Classification of the chemical in accordance with paragraph (d) of §1910.1200:**

***Physical hazards***
Corrosive to Metals Hazard Category 1

***Health hazards***
Skin Corrosion/Irritation Hazard Category 1B
Eye Damage/Irritation Hazard Category 1

***Environmental hazards***
No environmental hazards under GHS classification.

**GHS Signal word:** **DANGER.**

**GHS Hazard statement(s):** Causes severe skin burns and eye damage.
May be corrosive to metals.

**GHS Hazard symbol(s):**

**GHS Precautionary statement(s):**

**Prevention:**
- Do not breath dusts or mists.
- Wash skin thoroughly after handling.
- Wear rubber gloves, goggles and chemical protective clothing.
- Keep only in original container.

**Response:**
- If swallowed: Rinse mouth. Do NOT induce vomiting.
- If on skin (or hair): Take off immediately all contaminated clothing Rinse skin with water/shower .
- Wash contaminated clothing before reuse.
- If inhaled: Remove person to fresh air and keep comfortable for breathing. Call poison center/doctor if you feel unwell.
- Specific treatment - refer to poison center or doctor for advice.
- If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- Absorb spillage to prevent material damage.

**Storage:**
- Store locked up
- Store in corrosive resistant high density polyethylene container

**Disposal:**
- Dispose of contents/container in accordance with local/regional/national/international regulations.

## SECTION 3: Composition/information on ingredients

**Mixture:**

| Component | CAS No | Concentration (weight %) |
|---|---|---|
| Methanesulfonic Acid | 75-75-2 | ~20% |
| Diethylene Glycol Butyl Ether | 112-34-5 | ~10% |

Note: The balance of the ingredients are not classified as hazardous or are below the concentration limit to be classified as hazardous, under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200.

## SECTION 4: First-aid Measures

**Inhalation:** Immediately move person to fresh air if vapor or mist of product is inhaled. Seek immediate medical attention if symptoms develop.

 

**Skin contact:** Immediately remove all contaminated clothing. Flush all affected areas with large amounts of water for 15 minutes. DO NOT attempt to neutralize with chemical agents. Obtain medical advice

**Eye contact:** In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes Remove contact lenses, if present and easy to do so. Continue rinsing. Call a physician or poison control center immediately.

**Ingestion:** Call a physician or poison control center immediately. Do not induce vomiting. Immediately rinse mouth and drink plenty of water. If vomiting occurs, keep head low so that the stomach content doesn't get into the lungs. Never give anything by mouth to an unconscious person. Do not use mouth-to-mouth method if victim ingested the substance.

**Most important symptoms/effects, acute and delayed:** The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

**Indication of immediate medical attention and special treatment needed:** If any symptoms are observed, contact a physician and give them this SDS sheet. If exposed or concerned: Get medical advice/attention.

## SECTION 5: Fire-fighting measures

**Conditions of flammability:** Not flammable or combustible

**Suitable extinguishing media:** Use Water, $CO_2$ or dry chemical.

**Special protective equipment and precautions for fire-fighters:**
As in any fire, wear self-contained breathing apparatus for fighting if necessary.

**Special hazards arising from the mixture:** Carbon oxides

## SECTION 6: Accidental release measures

**Personal precautions, protective equipment and emergency procedures:** Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

**Environmental Precautions:** Stop spill/release if it can be done safely. Prevent spilled material from entering sewers, storm drains, other unauthorized drainage systems, and natural waterways. Use water sparingly to minimize environmental contamination and reduce disposal requirements. If spill occurs on water notify appropriate authorities and advise shipping of any hazard.

**Methods and material for containment and cleaning up:** Absorb spill with inert material and shovel into appropriate waste disposal container. Dispose of collected material according to regulations.

## SECTION 7: Handling and Storage

 

**Precautions for safe handling:** Do not get this material in your eyes, on your skin, or on your clothing. Wash thoroughly after handling. For industrial use only. Do not take internally. Comply with all national, state, and local codes pertaining to the storage, handling, dispensing, and disposal of the product.

**Conditions for safe storage, including any incompatibles:** Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Do not allow material to freeze. Store in corrosive resistant container.

## SECTION 8: Exposure controls/personal protection

**Control Parameters:**

**Occupational exposure limits:**
Occupational exposure limits for dust (total and resizable) are treated by OSHA, Cal OSHA and ACGIH as "Particulate Not Otherwise Classified" or "Nuisance Dust"

Respect regulatory provisions for dust (total and respirable).

| | |
|---|---|
| ACGIH/TLV | 10 mg/m3 |
| Cal OSHA/PEL | 10 mg/m3 |
| OSHA/PEL (total dust) | 15 mg/m3 |
| OSHA/PEL (respirable dust) | 5 mg/m3 |

**Individual protection measures, such as personal protective equipment:**

**Eye/face protection:** Wear safety glasses and a face shield where a splash hazard exists. Wear a full-face respirator, if needed. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

**Skin and Hand protection:** Impervious gloves and protective clothing are recommended. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

**Respiratory protection:** Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Other:** Eye wash, safety shower and washing facilities should be available in the work area.

**Thermal hazards:** No data available.

## SECTION 9: Physical and chemical properties

**Appearance**
**Physical state:** Liquid

 

| | |
|---|---|
| **Color:** | Clear amber |
| **Odor:** | Sweet odor |
| **Odor threshold:** | No data available |
| **pH:** | 1-2 (10% solution) |
| **Melting point/freezing point:** | Not applicable |
| **Initial Boiling Point and boiling range:** | Not applicable |
| **Flash point:** | Not applicable |
| **Evaporation rate:** | No data available |
| **Flammability (solid, gas):** | Not applicable |
| **Upper/lower flammability or explosive limits** | |
| **Flammability limit – lower %):** | No data available |
| **Flammability limit – upper (%):** | No data available |
| **Explosive limit – lower (%):** | No data available |
| **Explosive limit – upper (%):** | No data available |
| **Vapor pressure:** | No data available |
| **Vapor density (air=1):** | No data available |
| **Relative density (water = 1):** | 1.09 |
| **Solubility(ies):** | 100% |
| **Partition coefficient (n-octanol/water):** | No data available |
| **Ignition temperature:** | Not applicable |
| **Auto-ignition temperature:** | Not applicable |
| **Decomposition temperature:** | Not applicable |
| **Viscosity @ 20°C:** | Not available |
| **Specific Gravity/Wt. per gal.** | Not available |

## SECTION 10: Stability and Reactivity

| | |
|---|---|
| **Reactivity:** | Not chemically reactive. |
| **Chemical stability:** | Stable under normal ambient and anticipated conditions of use. |
| **Possibility of hazardous reactions:** | Reaction with strong reducing agents such as metal hydrides, acetic anhydride or alkali metals will generate flammable hydrogen gas which could create an explosive hazard. |
| **Conditions to avoid:** | Exposure to moisture and incompatible materials. |
| **Incompatible materials:** | Avoid contact with strong reducing agents such as metal hydrides, acetic anhydride or alkali metals. |
| **Hazardous decomposition products:** | Under fire- Oxides of phosphorous at > 300 °C (572 °F) |

## SECTION 11: Toxicological information

**Information on toxicological effects:**

| | | |
|---|---|---|
| Acute Oral Toxicity | : | No data available |
| Acute Inhalation Toxicity | : | No data available |

 

| | | |
|---|---|---|
| Acute Dermal Toxicity | : | No data available |
| Skin corrosion/irritation | : | No data available |
| Serious eye damage/eye irritation | : | No data available |
| Respiratory/skin sensitization | : | No data available |
| Aspiration toxicity | : | No data available |
| Mutagenicity assessment | : | No data available |
| Carcinogenicity | : | |

| | |
|---|---|
| IARC | No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. |
| ACGIH | No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by ACGIH. |
| NTP | No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by NTP. |
| OSHA | No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by OSHA. |

| | | |
|---|---|---|
| General information | : | To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. |

## SECTION 12: Ecological information

| | |
|---|---|
| **Ecotoxicity:** | No data available |
| **Persistence and Degradability:** | No data available |
| **Bioaccumulative Potential:** | Unlikely |
| **Mobility in Soil:** | No data available |
| **Other adverse effects:** | No data available |

## SECTION 13: Disposal considerations

**Product** - Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

**Contaminated packaging** - Dispose of as unused product.

## SECTION 14: Transport Information

**Land transport DOT**
UN Number: 3265, Corrosive Liquid, acidic, organic, n.o.s. (Alkane Sulfonic Acid)
Class: 8 Packing Group: II.

**Maritime transport IMDG**
UN Number: 3265, Corrosive Liquid, Acidic, Organic, n.o.s. (Alkane Sulfonic Acid)
Class: 8 Packing Group: II.

 

**Air transport ICAO-TI and IATA-DGR**
UN Number: 3265, Corrosive Liquid, Acidic, Organic, n.o.s. (Alkane Sulfonic Acid)
Class: 8 Packing Group: II.

## SECTION 15: Regulatory Information

**SARA 302 Components**
No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
**SARA 313 Components**
This material does not contain any chemical components with known CAS numbers that exceed the threshold reporting levels established by SARA Title III, Section 313.
**SARA 311/312 Hazards**
Acute Health Hazard
**Massachusetts Right To Know Components**
No components are subject to the Massachusetts Right to Know Act.
**Pennsylvania Right To Know Components**
Methanesulphonic acid, CAS: 75-75-2, REVISION DATE: 2007-03-01
**California Prop. 65 Components**
This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

## SECTION 16: Other Information

**HMIS: Health: 2 Flammability: 0 Reactivity: 0**

**To the best of our knowledge, the information contained herein is accurate. However, CHEMEON Surface Technology, LLC does not assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.**

 