



## CHEMEON® Deox 3000

### SECTION 1: Identification

**Product identifier:** CHEMEON® Deox 3000  
**Other Names:** Metalast Deox 3000 (prior to June, 2015).  
**Product Code Number:** Not applicable.  
**Recommended use:** Aluminum deoxidizer.  
**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 (Category 1), H290  
Oxidizing liquids (Category 3), H272

##### *Health hazards*

Acute toxicity, Oral (Category 4), H302  
Skin corrosion (Category 1B), H314

##### *Environmental hazards*

No environmental hazards under GHS classification.

**GHS Signal word:** DANGER.

**GHS Hazard statement(s):** H272 – May intensify fire; oxidizer  
H290 – May be corrosive to metals.  
H302 – Harmful if swallowed.  
H314 – Causes severe skin burns and eye damage.

**GHS Hazard symbol(s):****GHS Precautionary statement(s):****Prevention:**

- P210 - Keep away from heat.
- P220 - Keep/Store away from clothing/ combustible materials.
- P234 – Keep only in original packaging.
- P260 – Do not breathe dusts or mists.
- P264 - Wash skin thoroughly after handling.
- P270 – Do not eat, drink or smoke when using this product.
- P280 - Wear protective gloves/ protective clothing/ eye protection/ face protection.

**Response:**

- P301+P312+P330+P331 - IF SWALLOWED: Call a POISON Center/doctor if you feel unwell. Rinse mouth. Do NOT induce vomiting.
- P303+P361+P353 - IF ON SKIN: Take off immediately all contaminated clothing. Rinse skin with water (or shower).
- P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- 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.
- P363 – Wash contaminated clothing before reuse.
- P370+P378 - In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.
- P390 – Absorb spillage to prevent material-damage.

**Storage:**

- P405 – Store locked up.
- P406 – Store in a corrosion resistant container with a resistant inner liner.

**Disposal:**

- P501 – Dispose of contents/container in accordance with local/regional/national/international regulations.

<b>SECTION 3: Composition/information on ingredients</b>
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**Mixture:**

Component	CAS No	Concentration (weight %)
Sulfuric Acid	7664-93-9	10-40%

Nitric Acid	7697-37-2	10-40%
Ferric Sulfate	10028-22-5	10-60%

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. Wash affected area with water and soap. If irritation occurs seek medical attention.

**Eye contact:** In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes. Ensure adequate flushing of eyes by separating eyelids with fingers. Seek medical attention.

**Ingestion:** Wash out mouth with large amounts of water and do not induce vomiting. Seek medical attention.

**Most important symptoms/effects, acute and delayed:** The most important known symptoms and effects are described in the labeling (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

**Suitable extinguishing media:** Use Water, alcohol-resistant foam, CO<sub>2</sub> 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:** None

#### 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:** Collect with acid absorbent material. Dispose of collected material according to regulations.

## SECTION 7: Handling and Storage

**Precautions for safe handling:** Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs.

Provide appropriate exhaust ventilation at places where dust is formed. Keep away from sources of ignition - No smoking. Keep away from heat and sources of ignition.

**Conditions for safe storage, including any incompatibles:** Corrosive acid. Do not store with Alkalines. Do not allow contact with iron or steel. 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.

## SECTION 8: Exposure controls/personal protection

### Control Parameters:

### 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:** Handle with gloves. 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.

Full contact

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 480 min

Material tested: Dermatril® (KCL 740 / Aldrich Z677272, Size M)

Splash contact

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 480 min

Material tested: Dermatril® (KCL 740 / Aldrich Z677272, Size M)

**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

<b>Physical state:</b>	Liquid
<b>Color:</b>	Deep orange-brown
<b>Odor:</b>	little or no odor
<b>Odor threshold:</b>	No data available
<b>pH:</b>	<1
<b>Melting point/freezing point:</b>	<0° F
<b>Initial Boiling Point and boiling range:</b>	212° F
<b>Flash point:</b>	No data available
<b>Evaporation rate:</b>	No data available
<b>Flammability (solid, gas):</b>	No data available
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit – lower (%):</b>	No data available
<b>Flammability limit – upper (%):</b>	No data available
<b>Explosive limit – lower (%):</b>	No data available
<b>Explosive limit – upper (%):</b>	No data available
<b>Vapor pressure:</b>	No data available
<b>Vapor density (air=1):</b>	No data available
<b>Relative density (water = 1):</b>	Not determined
<b>Solubility(ies):</b>	100%
<b>Partition coefficient</b>	
<b>(n-octanol/water):</b>	No data available
<b>Ignition temperature:</b>	No data available
<b>Auto-ignition temperature:</b>	No data available
<b>Decomposition temperature:</b>	No data available
<b>Viscosity @ 20°C:</b>	No data available
<b>Specific Gravity/Wt. per gal.</b>	1.43/11.92 lbs/gal

## SECTION 10: Stability and Reactivity

<b>Reactivity:</b>	No data available.
<b>Chemical stability:</b>	Stable under recommended storage conditions.
<b>Possibility of hazardous reactions:</b>	No data available
<b>Conditions to avoid:</b>	No data available
<b>Incompatible materials:</b>	Strong alkalines, iron, or steel
<b>Hazardous decomposition products:</b>	Nitrous oxide fumes if iron is contacted.

## 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 a carcinogen or potential carcinogen by ACGIH.
NTP	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reprotoxicity / teratogenicity	:	No data available
General information	:	To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

## SECTION 12: Ecological information

<b>Ecotoxicity:</b>	No data available
<b>Persistence and Degradability:</b>	No data available
<b>Bioaccumulative Potential:</b>	No data available
<b>Mobility in Soil:</b>	No data available
<b>Other adverse effects:</b>	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life.

## SECTION 13: Disposal considerations

**Product** - The bath and the product should be neutralized to an acceptable pH and discarded. Soda ash or caustic may be used. Care should be taken since heat and steam may be produced especially when neutralizing the product.

**SECTION 14: Transport Information****Land transport DOT**

UN number: 1760      Class: 8      Packing group: II  
Proper shipping name: Corrosive liquid, n.o.s., (Nitric, Sulfuric acids)  
Reportable Quantity (RQ):  
Poison Inhalation Hazard: No

**Maritime transport IMDG**

UN number: 1760      Class: 8      Packing group: II  
Proper shipping name: Corrosive liquid, n.o.s., (Nitric, Sulfuric acids)

**Air transport ICAO-TI and IATA-DGR**

UN number: 1760      Class: 8      Packing group: II  
Proper shipping name: Corrosive liquid, n.o.s., (Nitric, Sulfuric acids)

**SECTION 15: Regulatory Information****SARA 302 Components**

The following components are subject to the reporting requirements of SARA Title III, Section 302:  
Sulfuric acid, 7664-93-9  
Nitric acid, 7697-37-2

**SARA 313 Components**

The following components are subject to the reporting requirements of SARA Title III, Section 313:  
Diiron tris(sulphate) hydrate, 15244-10-7  
Sulfuric acid, 7664-93-9  
Nitric acid, 7697-37-2

**SARA 311/312 Hazards**

Acute Health Hazard, Chronic Health Hazard

**Massachusetts Right To Know Components**

Diiron tris(sulphate) hydrate, 15244-10-7  
Sulfuric acid, 7664-93-9  
Nitric acid, 7697-37-2

**Pennsylvania Right To Know Components**

Diiron tris(sulphate) hydrate, 15244-10-7  
Sulfuric acid, 7664-93-9  
Nitric acid, 7697-37-2

**New Jersey Right To Know Components**

Diiron tris(sulphate) hydrate, 15244-10-7  
Sulfuric acid, 7664-93-9  
Nitric acid, 7697-37-2

**California Prop. 65 Components**

WARNING! This product contains a chemical known to the State of California to cause cancer.  
Sulfuric acid, 7664-93-9

**SECTION 16: Other Information**

**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.**