



## CHEMEON® Deox 3300(A)

### SECTION 1: Identification

**Product identifier:** CHEMEON® Deox 3300(A)  
**Other Names:** Metalast Deox 3300(A) (prior to June, 2015).  
**Product Code Number:** Not applicable.  
**Recommended use:** Additive to be used with acid to deoxidize/desmut aluminum.  
**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*

Oxidizing solids (Category 3)

##### *Health hazards*

Acute toxicity, Oral (Category 4)  
Acute toxicity, Dermal (Category 4)  
Skin irritation (Category 2)  
Eye irritation (Category 2A)  
Respiratory sensitisation (Category 1)  
Skin sensitisation (Category 1)  
Specific target organ toxicity - single exposure (Category 3), Respiratory system

##### *Environmental hazards*

Acute aquatic toxicity (Category 3)  
Chronic aquatic toxicity (Category 3)

**GHS Signal word:** DANGER.

**GHS Hazard statement(s):** H272 - May intensify fire; oxidizer.  
H302 + H312 - Harmful if swallowed or in contact with skin.  
H315 - Causes skin irritation.

H317 - May cause an allergic skin reaction.  
H319 - Causes serious eye irritation.  
H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
H335 - May cause respiratory irritation.  
H412 - Harmful to aquatic life with long lasting effects.

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

- P210 - Keep away from heat.
- P220 - Keep/Store away from clothing/ combustible materials.
- P221 - Take any precaution to avoid mixing with combustibles.
- P261 - Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
- P264 - Wash skin thoroughly after handling.
- P270 - Do not eat, drink or smoke when using this product.
- P271 - Use only outdoors or in a well-ventilated area.
- P272 - Contaminated work clothing should not be allowed out of the workplace.
- P273 - Avoid release to the environment.
- P280 - Wear protective gloves/ protective clothing/ eye protection/ face protection.
- P285 - In case of inadequate ventilation wear respiratory protection.

**Response:**

- P301+P312 - IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell.
- P302+P352 - IF ON SKIN: Wash with plenty of soap and water.
- 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.
- P322 - Specific measures (see supplemental first aid instructions on this label).
- P330 - Rinse mouth.
- P333+P313 - If skin irritation or rash occurs: Get medical advice/ attention.
- P337+P313 - If eye irritation persists: Get medical advice/ attention.
- P342+P311 - If experiencing respiratory symptoms: Call a POISON CENTER or doctor/ physician.
- P362 - Take off contaminated clothing and wash before reuse.
- P370+P378 - In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.

**Storage:**

- P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
- P405 – Store locked up.

**Disposal:**

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

**SECTION 3: Composition/information on ingredients****Mixture:**

Component	CAS No	Concentration (weight %)
Diammonium peroxodisulphate	7727-54-0	80-95%
Sodium Nitrate	7631-99-4	5-20%

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 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**

**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:** Nitrogen oxides (NO<sub>x</sub>), Sulphur oxides  
Container explosion may occur under fire conditions

**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:** 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:** 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:****Occupational exposure limits:**

Component	CAS-No.	Value	Control parameters	Basis
Diammonium peroxodisulphate	7727-54-0	TWA	0.1 mg/m <sup>3</sup>	USA. ACGIH Threshold Limit Values (TLV)
	Remarks	Skin irritation varies		

**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>	Powder
<b>Color:</b>	White
<b>Odor:</b>	No data available
<b>Odor threshold:</b>	No data available
<b>pH:</b>	<1 at 15 g/l
<b>Melting point/freezing point:</b>	No data available
<b>Initial Boiling Point and boiling range:</b>	No data available
<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 (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>	1.20/10 lbs/gal

## SECTION 10: Stability and Reactivity

<b>Reactivity:</b>	No data available.
<b>Chemical stability:</b>	May decompose on exposure to moist air or water. 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 reducing agents, Organic materials, Powdered metals.
<b>Hazardous decomposition products:</b>	No data available

## SECTION 11: Toxicological information

### Information on toxicological effects:

Acute Oral Toxicity	: LD50 Oral – rat - 689 mg/kg
Acute Inhalation Toxicity	: No data available
Acute Dermal Toxicity	: LD50 Dermal – rat - >2,000 mg/kg
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

### Ecotoxicity:

Toxicity to fish LC50 - Oncorhynchus mykiss (rainbow trout) - 76 mg/l - 96 h.

Toxicity to daphnia and EC50 - Daphnia magna (Water flea) - 120 mg/l - 48 h other aquatic invertebrates.

**Persistence and Degradability:** No data available

**Bioaccumulative Potential:** No data available

**Mobility in Soil:** No data available

**Other adverse effects:** No data available

## SECTION 13: Disposal considerations

**Product** - Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. 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: 1479 Class: 5.1 Packing group: III

Proper shipping name: Oxidizing solid, n.o.s., Ammonium persulfate, Sodium Nitrate

Reportable Quantity (RQ):

Marine pollutant: No

Poison Inhalation Hazard: No

### Maritime transport IMDG

UN number: 1479 Class: 5.1 Packing group: III EMS-No: F-A, S-Q

Proper shipping name: Oxidizing solid, n.o.s., Ammonium persulfate, Sodium Nitrate

Marine pollutant: No

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

UN number: 1479 Class: 5.1 Packing group: III

Proper shipping name: Oxidizing solid, n.o.s., Ammonium persulfate, Sodium Nitrate

## 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**

The following components are subject to reporting levels established by SARA Title III, Section 313:

Diammonium peroxodisulphate, 7727-54-0

Sodium nitrate, 7631-99-4

**SARA 311/312 Hazards**

Acute Health Hazard, Reactivity Hazard

**Massachusetts Right To Know Components**

Sodium nitrate, 7631-99-4.

**Pennsylvania Right To Know Components**

Diammonium peroxodisulphate, 7727-54-0

Sodium nitrate, 7631-99-4.

**New Jersey Right To Know Components**

Diammonium peroxodisulphate, 7727-54-0

Sodium nitrate, 7631-99-4

**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**

**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.**