

CHEMEON® Deox 3400

SECTION 1: Identification

Product identifier: CHEMEON® Deox 3400
Other Names: Metalast Deox 3400 (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

Health hazards

Skin corrosion (Category 1B), H314

Environmental hazards

No environmental hazards under GHS classification.

GHS Signal word: DANGER.

GHS Hazard statement(s): H290 – May be corrosive to metals.
H314 – Causes severe skin burns and eye damage.

GHS Hazard symbol(s):



GHS Precautionary statement(s):

Prevention:

- P234 – Keep only in original packaging.
- P260 – Do not breathe dusts or mists.
- P264 - Wash skin thoroughly after handling.
- P280 - Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response:

- P301+P330+P331 - IF SWALLOWED: 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.
- 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.

SECTION 3: Composition/information on ingredients
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Mixture:

Component	CAS No	Concentration (weight %)
Sulfuric Acid	7664-93-9	20-30%
Nitric Acid	7697-37-2	20-30%
Phosphoric Acid	7664-38-2	12-19%

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, CO₂ 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.

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

Physical state:	Liquid
Color:	Clear slight green
Odor:	little or no odor
Odor threshold:	No data available
pH:	<1
Melting point/freezing point:	<0° F

Initial Boiling Point and boiling range:	212° F
Flash point:	No data available
Evaporation rate:	No data available
Flammability (solid, gas):	No data available
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):	Not determined
Solubility(ies):	100%
Partition coefficient	
(n-octanol/water):	No data available
Ignition temperature:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity @ 20°C:	No data available
Specific Gravity/Wt. per gal.	1.501

SECTION 10: Stability and Reactivity

Reactivity:	No data available.
Chemical stability:	Stable under recommended storage conditions.
Possibility of hazardous reactions:	No data available
Conditions to avoid:	No data available
Incompatible materials:	Strong alkalines, iron, or steel
Hazardous decomposition products:	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

Ecotoxicity:	No data available
Persistence and Degradability:	No data available
Bioaccumulative Potential:	No data available
Mobility in Soil:	No data available
Other adverse effects:	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, Phosphoric 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, Phosphoric 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, Phosphoric 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:

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

Sulfuric acid, 7664-93-9

Nitric acid, 7697-37-2

Pennsylvania Right To Know Components

Sulfuric acid, 7664-93-9

Nitric acid, 7697-37-2

New Jersey Right To Know Components

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.