



## CHEMEON® Chemical 6301

### SECTION 1: Identification

**Product identifier:** CHEMEON® Chemical 6301  
**Other Names:** Metalast Chemical 6301 (prior to June, 2015).  
**Product Code Number:** Not applicable.  
**Recommended use:** Low temperature seal accelerator for anodized 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*

No physical hazards under GHS classification.

##### *Health hazards*

Acute toxicity, Oral (Category 3)  
Acute toxicity, Dermal (Category 2)  
Acute toxicity, Inhalation (Category 4)  
Skin corrosion (Category 1A)

##### *Environmental hazards*

No environmental hazards under GHS classification.

**GHS Signal word:** DANGER.

**GHS Hazard statement(s):** H301 – Toxic if swallowed.  
H310 - Fatal in contact with skin.  
H314 – Causes severe skin burns and eye damage.  
H332 - Harmful if inhaled

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

- P260 – Do not breathe dusts or mists.
- P262 - Do not get in eyes, on skin, or on clothing.
- 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+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.
- 305+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.

**Storage:**

- P405 – Store locked up.

**Disposal:**

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

<b>SECTION 3: Composition/information on ingredients</b>
--

**Mixture:**

Component	CAS No	Concentration (weight %)
Ammonium Bifluoride	1341-49-7	25%
Hydrofluoric Acid	7664-39-3	2.5%

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.

<b>SECTION 4: First-aid Measures</b>
--------------------------------------

**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:** Do NOT induce vomiting. 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:** Nitrogen oxides (NO<sub>x</sub>), Hydrogen fluoride.

#### **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.

**Conditions for safe storage, including any incompatibles:** 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

<b>Color:</b>	Clear
<b>Odor:</b>	slight acid odor
<b>Odor threshold:</b>	No data available
<b>pH:</b>	In solution ~3.5
<b>Melting point/freezing point:</b>	<4° F
<b>Initial Boiling Point and boiling range:</b>	>220° 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 (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>	1.13

#### 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 oxidizing agents
<b>Hazardous decomposition products:</b>	Other decomposition products - No data available.

#### 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** - 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.

### SECTION 14: Transport Information

**Land transport DOT**

UN number: 1790 Class: 6.1 (8) Packing group: II  
 Proper shipping name: Corrosive liquid, n.o.s., (Hydrofluoric acid)  
 Reportable Quantity (RQ):  
 Poison Inhalation Hazard: No

**Maritime transport IMDG**

UN number: 1790 Class: 6.1 (8) Packing group: II  
 Proper shipping name: Corrosive liquid, n.o.s., (Hydrofluoric acid)

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

UN number: 1790      Class: 6.1 (8) Packing group: II

Proper shipping name: Corrosive liquid, n.o.s., (Hydrofluoric acid)

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

Hydrofluoric acid, 7664-39-3

**SARA 313 Components**

Hydrofluoric acid, 7664-39-3

**SARA 311/312 Hazards**

Acute Health Hazard, Chronic Health Hazard

**Massachusetts Right To Know Components**

Ammonium bifluoride 1341-49-7

Hydrofluoric acid, 7664-39-3

**Pennsylvania Right To Know Components**

Ammonium bifluoride 1341-49-7

Hydrofluoric acid, 7664-39-3

**New Jersey Right To Know Components**

Ammonium bifluoride 1341-49-7

Hydrofluoric acid, 7664-39-3

**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.**