

CHEMEON AA-200®

SECTION 1: Identification

Product identifier: CHEMEON AA-200®
Other Names: Metalast AA-200 (prior to June, 2015)
Product Code Number: Not applicable.
Recommended use: Anodizing chemical.
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

Skin corrosion/irritation, Category 2.
Skin Sensitization, Category 1
Serious eye damage/eye irritation, Category 2A.
Specific target organ toxicity – single exposure, Category 3

Environmental hazards

No environmental hazards under GHS classification.

GHS Signal word: WARNING.

GHS Hazard statement(s): H315 - Cause skin irritation.
H317 – May cause an allergic skin reaction.
H319 - Causes serious eye irritation.
H335 - May cause respiratory irritation.

GHS Hazard symbol(s):



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

- P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
- P264 - Wash skin thoroughly after handling.
- P271 - Use only outdoors or in a well-ventilated area.
- P272 - Contaminated work clothing should not be allowed out of the workplace.
- P280 - Wear protective gloves/ eye protection/ face protection.

Response:

- P302+P352 - If on skin: Wash with plenty of 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.
- P312 - Call a POISON CENTER or doctor/ physician if you feel unwell.
- P321 - Specific treatment (see supplemental first aid instructions on this label).
- P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
- P337+P313 - If eye irritation persists: Get medical advice/attention.
- P362 - Take off contaminated clothing and wash it before reuse.
- P363 - Wash contaminated clothing before reuse.

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.

Other Hazards

Polymerization with heat evolution may occur in the presence of radical forming substances (e.g. peroxides), reducing substances, and/or heavy metal ions. Take precautionary measures against static discharges.

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

Chemical name	Concentration (weight %)
Component A*	> 97%

*Chemical name has been withheld from the SDS as a Trade Secret

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: Skin sensitisation, Causes skin and eye irritation., May cause irritations of the respiratory tract.

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, CO₂ or dry chemical.

Unsuitable extinguishing media: Full water jet.

Specific hazards arising from the chemical:

Closed container may rupture if strongly heated. May be released in case of fire: carbon monoxide, carbon dioxide, organic products of decomposition.

Special protective equipment and precautions for fire-fighters:

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Containers can build up pressure if exposed to heat (fire). Cool with water spray.

Vapors can travel to a source of ignition and flash back. Explosive mixtures may occur at temperatures at or above the flashpoint.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures: Evacuate danger area. Stay upwind and away from spill/release. Avoid direct contact with liquid and vapors. For large spillages, notify persons downwind of the spill/release, isolate immediate hazard area and keep unauthorized personnel out. Wear appropriate protective equipment, including respiratory protection, as conditions warrant (see Section 8). See Sections 2 and 7 for additional information on hazards and precautionary measures.

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 in the original container at a temperature not exceeding 30 °C (86 °F). Fill the container by approximately 90 % as oxygen (air) is required for stabilization. With large storage containers make sure the oxygen (air) supply is sufficient to ensure stability. Store in a cool, dry place. Do not store in direct sunlight. Keep container closed when not in use. Can polymerize with intense heat release.

SECTION 8: Exposure controls/personal protection**Control Parameters:****Occupational exposure limits:**

US OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200): Permissible Exposure Limits			
Substance	PEL-TWA (8 hour)	PEL-STEL (15 min)	REMARKS
Component A	No data available	No data available	

US ACGIH Threshold Limit Values			
Substance	TLV-TWA	TLV-STEL	REMARKS
Component A	No data available	No data available	

Appropriate engineering controls: Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

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: If engineering controls do not maintain airborne concentrations below recommended exposure limits or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. In the United States of America, if respirators are used, a program should be instituted to assure compliance with OSHA Standard 63 FR 1152, January 8, 1998. Respirator type: Air-purifying respirator with an appropriate, government approved (where applicable), air-purifying filter, cartridge or canister. Contact health and safety professional or manufacturer for specific information.

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 colorless
Odor:	Ester-like.
Odor threshold:	No data available
pH:	~5
Melting point/freezing point:	-99 °C -146 °F

Initial Boiling Point and

boiling range:	213 °C (1,013 hPa)
	415 °F (1,013 hPa)
Flash point:	106 °C (ASTM D 93 / Pensky Martens Closed Cup) 223 °F (ASTM D 93 / Pensky Martens Closed Cup)
Evaporation rate:	slower than butyl acetate
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:	0.08 hPa (= mbar) at 20 °C / 68 °F
Vapor density (air=1):	> 1 (68.0 °F) is heavier than air
Relative density (water = 1):	Not determined
Solubility(ies):	100%
Partition coefficient (n-octanol/water):	log Pow 0.42
Ignition temperature:	a. 375 °C (1,013 hPa) ca. 707 °F (1,013 hPa)
Auto-ignition temperature:	Not available
Decomposition temperature:	Stable under normal storage conditions.
Viscosity @ 20°C:	Not available
Specific Gravity/Wt. per gal.	1.07 g/cm ³ at 20 °C / 68 °F

SECTION 10: Stability and Reactivity

Reactivity:	Not chemically reactive.
Chemical stability:	Stable under normal ambient and anticipated conditions of use.
Possibility of hazardous reactions:	Polymerization with heat evolution may occur in the presence of radical forming substances (e.g. peroxides), reducing substances, and/or heavy metal ions.
Conditions to avoid:	The product is normally supplied in a stabilized form. If the permissible storage period and/or storage temperature is exceeded, the product may polymerize with heat evolution.
Incompatible materials:	Peroxides, amines, sulfur compounds, heavy metal ions, alkalis, reducing agents and oxidizing agents. mineral acids. Free radical initiators.
Hazardous decomposition products:	None when used as directed.

SECTION 11: Toxicological information

Information on toxicological effects:

Toxicokinetics, metabolism and distribution	:	The substance is rapidly metabolized	
Acute Oral Toxicity	:	LD50 Rat	1,320 mg/kg
	:	Related to substance: methacrylic acid	
Acute Dermal Toxicity	:	LD50 rabbit	500-1,000 mg/kg
	:	Related to substance: hydroxypropyl methacrylate	
	:	Related to substance: methacrylic acid	
Caustic burning / irritation of	:	Contact with skin may cause irritations.	

skin	Properties of components in summary.	
Serious eye damage/eye irritation	: Rabbit	Irritating
Respiratory/skin sensitization	: Guinea pig, GPMT Cases of sensitization also observed in humans.	Sensitizing
Aspiration toxicity	: Not applicable	
Mutagenicity assessment	: Positive as well as negative results in in vitro mutagenicity/ genotoxicity tests. No experimental indication of genotoxicity in vivo available. In summary not mutagenic according to internationally accepted criteria.	
Carcinogenicity	: No specific test data available. No evidence for hazardous properties (structure-activity-relationships) 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, IARC, or OSHA.	
Reprotoxicity / teratogenicity	: No indications of teratogenic effects in experimental animals.	
CMR assessment	: No	
Toxicity on Repeated Administration	: Rat, oral, 7 Weeks	100mg/kg
General information	: Avoid contact with the skin and eyes and inhalation of the product vapours.	

SECTION 12: Ecological information

Ecotoxicity:

Aquaticity, fish	: LC50 <i>Oryzias latipes</i> , OECD 203, semi-static, 96 h	>100 mg/l
Aquaticity, invertebrates	: NOEC <i>Daphnia magna</i> , OECD 202 part 2, flow through, 21 d EC50 <i>Daphnia magna</i> , OECD 202 part 1, static test, 48 h	24.1 mg/l 380 mg/l
Aquaticity, algae / aquatic plants	: EC50 <i>selenastrum capricornutum</i> , OECD 201, 72 h NOEC <i>selenastrum capricornutum</i> , OECD 201, 72 h	836 mg/l 400 mg/l
Toxicity in microorganisms	: EC50 <i>Pseudomonas fluorescens</i> , DEV L8 , 16 h	>3,000 mg/l

Persistence and Degradability:

The substance photodegrades rapidly when exposed to air. readily biodegradable, OECD 301 D, Closed Bottle Test, 28 d, 84%

Bioaccumulative Potential:	Accumulation in organisms is not expected due to the coefficient of distribution of n-octanol in water (log Pow).
Mobility in Soil:	Binding to the solid soil phase, sediment or clarification sludge is not expected. Very sparingly volatile from the aqueous phase.
Other adverse effects:	Information refers to the main component. Prevent substance from entering soil, natural bodies of water and sewer systems.

SECTION 13: Disposal considerations

Disposal instructions:

Product - Discharge, treatment, or disposal may be subject to national, state, or local laws.

Contaminated packaging - Contaminated packages must be emptied as good as possible. They may then be recycled after proper cleaning. Packages that cannot be cleaned must be disposed of in the same way as the substance. Uncontaminated packaging may be taken for recycling. Empty containers must be handled with care due to product residue. **DO NOT HEAT OR CUT THE EMPTY CONTAINER WITH ELECTRIC OR GAS TORCH**

SECTION 14: Transport Information

Land transport DOT

This material is not classified as dangerous under DOT regulations.

Maritime transport IMDG

This material is not classified as dangerous under IMDG regulations.

Air transport ICAO-TI and IATA-DGR

This material is not classified as dangerous under IATA regulations.

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code)

No further relevant information available.

Special precautions which a user needs to be aware of, or needs to comply with, in connection with transport or conveyance either within or outside their premises.

None.

SECTION 15: Regulatory Information

USA:

United States Federal Regulations: This SDS complies with the OSHA, 29 CFR 1910.1200. The product is hazardous under OSHA.

Toxic Substances Control Act (TSCA) – All substances in this product are listed, as required, or are exempt from the TSCA inventory.

CERCLA Hazardous Substance List, 40 CFR 302.4: None

SARA Title III

Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A): None

Section 311/312 (40 CFR 370):

Acute Health Hazard: Yes

Chronic Health Hazard: No

Fire Hazard: No

Pressure Hazard: No

Reactivity Hazard: No

US STATE REGULATIONS:

This SDS contains specific health and safety data is applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state.

California Proposition 65 (California Safe Drinking Water and Toxic Enforcement Act of 1986:

This product does not contain chemicals known to the State of California to cause reproductive effects.

New Jersey Right to Know: No

Pennsylvania Right to Know: No

Canada WHMIS Hazard Class: This product has been classified as Class D2B in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.

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.