



CHEMEON® TrueColor 5000

SECTION 1: Identification

Product identifier: CHEMEON® TrueColor 5000
Other Names: Metalast TrueColor 5000 (prior to June, 2015).
Product Code Number: Not applicable.
Recommended use: Tin based electrolytic color solution 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

Corrosive to metals (Category 1)

Health hazards

Acute toxicity, Inhalation (Category 4)

Skin irritation (Category 2)

Eye irritation (Category 2A)

Skin sensitization (Category 1)

Germ cell mutagenicity (Category 2)

Specific target organ toxicity - single exposure (Category 3), Respiratory system

Specific target organ toxicity - repeated exposure (Category 2), Cardio-vascular system

Environmental hazards

Chronic aquatic toxicity (Category 1)

GHS Signal word: **WARNING.**

GHS Hazard statement(s): H290 – May be corrosive to metals.
H315 - Causes skin irritation.
H317 - May cause an allergic skin reaction.
H319 - Causes serious eye irritation.

H332 – Harmful if inhaled.
 H335 - May cause respiratory irritation.
 H341 – Suspected of causing genetic defects.
 H373 – May cause damage to organs (Cardio-vascular system) through prolonged or repeated exposure.
 H410 – Very toxic to aquatic life with long lasting effects.

GHS Hazard symbol(s):



GHS Precautionary statement(s):

Prevention:

- P201 – Obtain special instructions before use.
- P202 – Do not handle until all safety precautions have been read and understood.
- P234 – Keep only in original container.
- P260 – Do not breathe 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.
- P273 - Avoid release to the environment.
- P280 - Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response:

- 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.
- P308+P313 – IF exposed or concerned: Get medical advice/attention..
- 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 before reuse.
- P390 – Absorb spillage to prevent material damage.
- P391 – Collect spillage.
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Storage:

- P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
- P405 – Store locked up.
- P406 – Store in corrosive resistant stainless steel 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

Mixture:

Component	CAS No	Concentration (weight %)
Sulfuric Acid	7664-93-9	1-6
Stannous Sulfate	7488-55-3	10-20
Sulfosalicylic Acid	5965-83-3	1-10
Ferric Sulfate	10028-22-5	1-10
Sulfamic Acid	5329-14-6	1-10
Urea	57-13-6	1-10

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, 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: Nitrogen oxides (NO_x), 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
Tin sulphate	7488-55-3	TWA	2.0000 mg/m ³	USA. Occupational Exposure Limits (OSHA) – Table Z-1 Limits for Air Contaminants
		TWA	2.0000 mg/m ³	USA. ACGIH Threshold Limit Values (TLV)
	Remarks	Eye & Upper Respiratory Tract irritation Headache		

		Pneumoconiosis Nausea varies		
Sulfuric acid	7664-93-9	TWA	.02 mg/m ³	USA. ACGIH Threshold Limit Values (TLV)
		TWA	1 mg/m ³	USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000
		TWA	1 mg/m ³	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants

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
Odor:	No data available
Odor threshold:	No data available
pH:	<1
Melting point/freezing point:	No data available
Initial Boiling Point and boiling range:	212°F
Freezing Point:	<0°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:	1000 stokes
Specific Gravity/Wt. per gal.	1.195/10

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 oxidizing agents.
Hazardous 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	:	No data available

irritation

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: No data available

SECTION 13: Disposal considerations

Product - 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. Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging - Dispose of as unused product.

SECTION 14: Transport Information

Land transport DOT

UN number: 1760 Class: 8 Packing group: II

Proper shipping name: Corrosive liquid, n.o.s. (Sulfuric Acids)

Reportable Quantity (RQ):

Marine pollutant: No

Poison Inhalation Hazard: No

Maritime transport IMDG

UN number: 1760 Class: 8 Packing group: II

Proper shipping name: Corrosive liquid, n.o.s. (Sulfuric Acids)
Marine pollutant: No

Air transport ICAO-TI and IATA-DGR

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

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

The following components are subject to reporting levels established by SARA Title III, Section 302:

Sulfuric acid, 7664-93-9

SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold reporting levels established by SARA Title III, Section 313

SARA 311/312 Hazards

Acute Health Hazard, Chronic Health Hazard

Massachusetts Right To Know Components

Tin sulphate, 7488-55-3

Sulfuric Acid, 7664-93-9

Pennsylvania Right To Know Components

Tin sulphate, 7488-55-3

Sulfuric Acid, 7664-93-9

New Jersey Right To Know Components

Tin sulphate, 7488-55-3

Sulfuric Acid, 7664-93-9

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.