



MARTRON INC. SAFETY DATA SHEET MARTRON MTC CHROMIUM

SECTION 1: COMPANY and MIXTURE IDENTIFICATION

1.1 Product Name	MARTRON MTC CHROMIUM
Product Number	MFC-007508
1.2 Product Type and Use	Metal Finishing Additives
1.3 Supplier Details	Martron Inc. 1394-A Walkup Ave. Monroe, NC 28110 704-289-1934
Website	www.martroninc.com
1.4 Emergency Number	CHEMTREC 800-424-9300

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the Mixture According to GHS (EC 1272 -2008)

Skin Irrit. 2, H315
Eye Irrit. 2, H319
Repr. 1B, H360

2.2 GHS Pictograms



Signal Word
DANGER

Hazard Statements

H315: Causes skin irritation
H319: Causes serious eye irritation
H360 1B: May damage fertility or the unborn child.

Precautionary Statements

P201: Obtain special instructions before use.
P264: Wash thoroughly after handling.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P281: Use personal protective equipment as required.
P302+P352: IF ON SKIN: Wash with plenty of soap and water.
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.
P332+P313: If skin irritation occurs: Get medical advice/attention.
P337+P313: If eye irritation persists: Get medical advice/attention.
P362: Take off contaminated clothing and wash before reuse.
P501: Dispose of contents/container in accordance with all local/regional/national/international regulations.

2.3 Additional Information

None

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Name	Product Identifier	%	Classification According to Regulation (EC) No. 1272/2008 (CLP)
Chrome III Powder	CAS no. T.S. EC no. T.S. Reach no. JCSL no. 1-287	<55%	Acute Tox. 4, H332
Sodium Sulphate	CAS no. 7757-82-6 EC no. 231-820-9 Reach no. JCSL no. 1-501	<25%	Skin Irrit. 2, H315 Eye Irrit. 2, H319
Ammonium Chloride	CAS no. 12125-02-9 EC no. 235-186-4 Reach no. Low Volume Exempt JCSL no. 1-218	<5%	Acute Tox. 4, H302 Eye Irrit. 2, H319
Boric Acid	CAS no. 10043-35-3 EC no. 233-139-2 Reach no. Low Volume Exemption JCSL no. 1-63	<3%	Repr. 1B, H360

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures**Eye Contact**

Rinse under running water for several minutes.

Skin Contact

Flush exposed area with running water for a few minutes.

Inhalation

Move exposed individual to fresh air.

Ingestion

Provide two glasses of water if victim is conscious and get medical attention. Never give anything by mouth to an unconscious person.

4.2 Important Symptom and Effects, Acute and Delayed**Symptoms/Injuries**

Causes skin and serious eye irritation. May damage fertility or the unborn child.

Symptoms/Injuries After Inhalation

In case of inhalation remove to fresh air. If symptoms persist get medical attention.

Symptoms/Injuries After Skin Contact

Causes skin irritation. Symptoms might include redness or irritation.

Symptoms/Injuries After Eye Contact

Causes serious eye irritation.

Symptoms/injuries After Ingestion

May be harmful if swallowed. Symptoms include nausea and possible irritation to mouth, throat and esophagus.

4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed

No immediate medical attention or special treatment should be required while using this product as specified.

SECTION 5: FIREFIGHTING MEASURES**5.1 Extinguishing Media**

Dry chemical powder. Water spray. Carbon dioxide (CO₂)

5.2 Special Hazards from the Mixture

Mixture itself does not burn but may decompose upon heating to produce fumes. Cool plastic drum, pail or tote containers which may swell or rupture upon heating.

5.3 Advice for Firefighters

Use personal protective equipment as described in Section (8) of the Safety Data Sheet (SDS).

Protection from Firefighting

Use self-contained breathing apparatus and chemically protective clothing. For further information refer to Section 8, Exposure-controls/personal protection.

Other information

Avoid eye and skin contact.

HMIS: 2-0-1-D

SECTION 6: ACCIDENTAL RELEASE MEASURES**6.1 Personal Precautions, Protective Equipment and Emergency Procedures****For Non-Emergency Personnel**

Ensure adequate ventilation, Use personal protective equipment.

For Emergency Responders

Ensure adequate ventilation, Use personal protective equipment.

6.2 Environmental Precautions

Avoid discharge into soil, water or air.

6.3 Containment and Cleanup**Methods for Cleanup**

Contain spills, carefully sweep up material and transfer to a suitable container for disposal.

Other information

Comply with local regulations for disposal.

6.4 Reference to Other Sections

Refer to Section 8.

SECTION 7: HANDLING and STORAGE**7.1 Precautions for Safe Handling**

Avoid contact with skin, eye and clothing. Avoid breathing dust, mist or spray. Refer to Section 8 for exposure controls.

7.2 Conditions for Safe Storage, Including Any Incompatibilities**Storage Condition(s)**

Shelf life is two (2) years from date of manufacture. Store tightly closed in a dry, cool and well-ventilated place.

Incompatible Materials

No specific materials to avoid when used under normal conditions.

Storage Area

Floors should be impenetrable, resistant to liquids and easy to clean. Keep away from heat and direct sunlight. Do not store near oxidizing agents. Store in dry, cool, well-ventilated area.

7.3 Specific End Use(s)
Metal Finishing

SECTION 8: EXPOSURE CONTROLS and PERSONAL PROTECTION

8.1 Control Parameters

AMMONIUM CHLORIDE (12125-02-9)		
USA	ACGIH - TEL	10 mg/m3
BORIC ACID (10043-35-3)		
USA	ACGIH - TEL	10 mg/m3
CHROME III POWDER (T.S.)		
USA	ACGIH - TEL	0.5 mg/m3 as Cr
SODIUM SULPHATE (7757-82-6)		
USA	ACGIH - TWA	10 mg/m3

8.2 Exposure Controls

Exposure Controls

Maintain employee exposures to levels below the applicable exposure limits.

Ventilation

Use local or general exhaust to reduce airborne exposures.

Respiratory Protection

Respiratory protection should not be required under normal use with proper engineering controls. A respiratory program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed if workplace conditions warrant use of a respirator.

Hand Protection

Wear chemical resistant rubber gloves.

Eye Protection

Wear chemical safety glasses and/or face shield.

Skin Protection

Wear protective clothing as appropriate.

Other

Launder contaminated clothing before reuse.

SECTION 9: PHYSICAL and CHEMICAL PROPERTIES

9.1 Information on Basic Physical and Chemical Properties

Appearance	Dark green powder
Flammability (solid, gas)	No data available
Odour	None
Explosive Limits	No data available
Odour Threshold	No data available
Vapor Pressure	No data available
pH	2.3 – 2.9 (10% Solution)
Vapour Density	No data available
Melting Point	No data available
Relative Density	1.03 – 1.09
Solidification Point	No data available
Solubility	Complete in water
Boiling Point	No data available
Self-Ignition Temperature	No data available
Flash Point	No data available
Decomposition Temperature	No data available

<p>Relate vapor rate comp to butyl acetate Viscosity</p>	<p>No data available No data available</p>
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SECTION 10: STABILITY and REACTIVITY

10.1 Reactivity

Product is stable at normal conditions.

10.2 Chemical Stability

Product may not be stable under heat, moisture, pressure ventilation or exposure to incompatible or reactive materials.

10.3 Possibility of Hazardous Reactions

Product will not undergo polymerization.

10.4 Conditions to Avoid

Keep away from heat. Keep out of direct sunlight.

10.5 Incompatible Materials

Product may react with strong acidic and strong basic solutions.

10.6 Hazardous Decomposition Products

Product contains materials which may decompose into oxides of nitrogen and sulfur.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Toxicological Effects

Acute Toxicity

No known acute toxicity effects when used as directed.

Skin Corrosion/Irritation

Causes serious eye and skin irritation.

Respiratory or Skin Sensitization

No known skin sensitization affects when used as directed.

Embryotoxic, Teratogenic, or Mutagenic

Product has components that may damage fertility or the unborn child.

Carcinogenicity

No components identified at 0.1% or greater as listed by IARC, NTP, EU or OSHA as a carcinogen or suspect carcinogen.

Reproductive Toxicity

Product has components that may damage fertility or the unborn child.

Specific Target Organ Toxicity (STOT)

No known Specific Target Organ Toxicity when used as directed.

CARCINOGENS

IARC	None	OSHA	None
NTP	None	EU	None

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Material should not harm aquatic life, but avoid all releases to the aquatic environment.

12.2 Persistence & Degradability

No persistence and biodegradability data available.

12.3 Bio-Accumulative Potential

No known bio-accumulative potential.

12.4 Mobility in Soil

No known mobility in soils.

12.5 PBT and vPvB Assessment

This product does NOT contain substances which are persistent, bio-accumulative and toxic, or substances that are very persistent or very bio-accumulative per REACH Annex XIII.

12.6 Other Adverse Effects

No other adverse effects known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods

Waste Disposal

Dispose of this material and its container to waste collection point. Disposal must be done according to official regulations. Do not empty into drain or the aquatic environment.

Ecology – Waste Materials

Dispose of all waste in accordance with federal, state, and local regulations.

SECTION 14: TRANSPORTATION INFORMATION

14.1 U.S. DOT (LAND)

Not regulated by DOT

14.2 I.A.T.A./I.C.A.O. (AIR)

Not regulated by IATA

14.3 I.M.D.G. (SEA)

Not regulated by IMDG

14.4 ERG INFO

Not Required

Reportable Quantity

None

Placard

Not Required

14.5 Environmental Hazards

This mixture is not considered environmentally hazardous according to the UN Model Regulations and is not considered a marine pollutant according to the IMDG Code.

14.6 Special Precautions

No other special precautions are required for transport of this mixture.

SECTION 15: REGULATORY INFORMATION

15.1 Safety, Health and Environmental Regulations

Classification According to Directive 1999/548/EC

Xi; R36/38 - Repr. Cat. 2; R60 - 61

DPD Pictograms



Risk and Safety Phrases

R36/38, R60, R61, S22, S24, S25, S38, S45, S53

INGREDIENT	CAS NUMBER	CERCLA	SARA 313	SARA 302	REACH SVHC List	ROHS 2
AMMONIUM CHLORIDE	12125-02-9	X				
BORIC ACID	10043-35-3				X	
CHROME III POWDER	T.S.		X			

NATIONAL INVENTORIES

AICS (Australia)	Components listed
ECN (Taiwan)	Components listed
DSL (Canada)	Components listed
NDSL (Canada)	Not all components listed
ECL (Korea)	Components listed
NZIoC (New Zealand)	Components listed
EINECS (Europe)	Components listed
PICCS (Philippines)	Components listed
ENCS (Japan)	Components listed
SWISS (Switzerland)	Status not determined
IECSC (China)	Components listed
TSCA (USA)	Components listed

15.2 WHMIS

Components listed as CANADA WHMIS Class D2A - Materials Causing Other Toxic Effects.

15.3 Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out for this mixture by the supplier.

SECTION 16: OTHER INFORMATION

16.1 Method of Evaluation

Mixture hazard classification per UN GHS Purple Book, (EC) 1272/2008 Article 9(4), OSHA Haz-Com 2012.

16.2 Other Information

This information is provided in good faith from current, reliable sources and is believed to be correct. No warranty is expressed, implied, or given. The seller of this material assumes no responsibility for any damages resulting from contact with this material

16.3 Revision History

7/21/15 New Release