



# MARTRON INC. SAFETY DATA SHEET MARTRON MTC CATALYST

## SECTION 1: COMPANY and MIXTURE IDENTIFICATION

**1.1 Product Name** MARTRON MTC CATALYST  
**Product Number** MFC-007509

**1.2 Product Type and Use** Metal Finishing Additive

**1.3 Supplier Details** **Martron Inc.**  
1394-A Walkup Ave  
Monroe, NC 28110  
704-289-1934

**Website** [www.martroninc.com](http://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. 2A, H319  
STOT SE 3, H335

### 2.2 GHS Pictograms



**Signal Word**  
**WARNING**

### Hazard Statements

H315: Causes skin irritation  
H319: Causes serious eye irritation  
H335: May cause respiratory irritation

### Precautionary Statements

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.  
P264: Wash thoroughly after handling.  
P271: Use only outdoors or in a well-ventilated area.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
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.  
P312: Call a POISON CENTER or doctor/physician if you feel unwell.  
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]
Ammonium Formate	CAS no. 540-69-2 EC no. 208-753-9 Reach no. Low Volume Exemption JCSL no. 2-670, 1-391	< 45%	Skin Irrit. 2; H315 Eye Irrit. 2; H319 STOT SE 3; H335

**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 Symptoms and Effects, Acute and Delayed****Symptoms/Injuries**

Causes serious eye irritation, symptoms include redness and irritation.

**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 include redness or irritation.

**Symptoms/Injuries After Eye Contact**

Causes serious eye irritation, symptoms include redness and 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 (CO<sub>2</sub>)

**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 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: 2-0-0-C

**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, cover with absorbent, 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 FORMATE (540-69-2)**

USA

ACGIH - TEL

N/A

**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 gloves when handling any chemical product.

**Eye Protection**

Wear chemical safety glasses and/or face shield when handling chemical products.

**Skin Protection**

Wear protective clothing as appropriate.

**Other**

Laundry contaminated clothing before reuse.

**SECTION 9: PHYSICAL and CHEMICAL PROPERTIES**

**9.1 Information on Basic Physical and Chemical Properties**

<b>Appearance</b>	Clear solution
<b>Flammability (solid, gas)</b>	No data available
<b>Odour</b>	Slight ammonia odor
<b>Explosive Limits</b>	No data available
<b>Odour Threshold</b>	No data available
<b>Vapor Pressure</b>	No data available
<b>pH</b>	6.5 – 7.5
<b>Vapour Density</b>	No data available
<b>Melting Point</b>	No data available
<b>Relative Density</b>	1.100 – 1.110
<b>Solidification Point</b>	No data available
<b>Solubility</b>	Complete in water
<b>Boiling Point</b>	No data available
<b>Self-Ignition Temperature</b>	No data available
<b>Flash Point</b>	No data available
<b>Decomposition Temperature</b>	No data available
<b>Relative vapor rate comp to butyl acetate</b>	No data available
<b>Viscosity</b>	No data available

**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, or exposure to incompatible 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 carbon.

**SECTION 11: TOXICOLOGICAL INFORMATION**

**11.1 Toxicological Effects**

**Acute Toxicity**

No known acute toxicity effects when used as directed.

**Skin Corrosion/Irritation**

Product should not be irritating to skin when used as directed.

**Respiratory or Skin Sensitization**

No known skin sensitization affects when used as directed.

**Embryotoxic, Teratogenic, or Mutagenic**

No components identified at 0.1% or greater as causing Reproductive or Gonadotoxic effects.

**Carcinogenicity**

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

**Reproductive Toxicity**

No components identified at 0.1% or greater as causing Reproductive or Gonadotoxic effects.

**Specific Target Organ Toxicity (STOP)**

No known Specific Target Organ Toxicity when used as directed.

**CARCINOGENS**

IARC  
NTP

NONE  
NONE

OSHA  
EU

NONE  
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

**DPD Pictograms**



**Risk and Safety Phrases**

R36/38, S24/25, S26, S38

INGREDIENT	CAS NUMBER	CERCLA	SARA 313	SARA 302	REACH SVHC List	ROHS 2
------------	------------	--------	----------	----------	-----------------	--------

**NATIONAL INVENTORIES**

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

**15.2 WHMIS**

Not controlled by Canada WHMIS.

**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**

11/11/15: Rev. item no.  
7/29/15: New release