



MARTRON INC. SAFETY DATA SHEET MARTRON JETBLACK 10A

Section 1: Identification

Product Name: MARTRON JETBLACK 10A
Product Number: MFC-001503

Supplier Name: Martron Inc.
1394-A Walkup Ave.
Monroe, NC 28110
704-289-1934

Website: www.martroninc.com

Emergency Number: CHEMTREC 800-424-9300

Section 2: Hazard(s) Identification

GHS Ratings:

Corrosive to metals	1	Corrosive to metals
Oral toxicity	Acute Tox. 3	Oral>50+<=300mg/kg
Dermal toxicity	Acute Tox. 2	Dermal>50+<=200mg/kg
Inhalation toxicity	Acute Tox. 2	Gases>100+<=500ppm, Vapors>0.5+<=2mg/l, Dusts & mists>0.05+<=0.5mg/l
Skin corrosive	1A	Destruction of dermal tissue: Exposure < 3 min. Observation < 1-hour, visible necrosis in at least one animal
Eye corrosive	1	Serious eye damage: Irreversible damage 21 days after exposure, Draize score: Corneal opacity >= 3, Iritis > 1.5
Respiratory sensitizer	1	Respiratory sensitizer
Skin sensitizer	1	Skin sensitizer
Mutagen	1B	Known to produce heritable mutations in human germ cells Subcategory 1B, Positive results: In vivo heritable germ cell tests in mammals, Human germ cell tests, In vivo somatic mutagenicity tests, combined with some evidence of germ cell mutagenicity
Carcinogen	1A	Known Human Carcinogen Based on human evidence
Reproductive toxin	2	Human or animal evidence possibly with other information
Organ toxin – single exposure	1	Significant toxicity in humans- Reliable, good quality human case studies or epidemiological studies, Presumed significant toxicity in humans- Animal studies with significant and/or severe toxic effects relevant to humans at generally low exposure (guidance)
Organ toxin – repeated exposure	1	Significant toxicity in humans- Reliable, good quality human case studies or epidemiological studies Presumed significant toxicity in humans- Animal studies with significant and/or severe toxic effects relevant to humans at generally low exposure (guidance)
Aquatic toxicity	A1	Acute toxicity <= 1.00 mg/l

GHS Hazards:

H290 May be corrosive to metals.
H301 Toxic if swallowed.
H310 Fatal in contact with skin.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H330 Fatal if inhaled.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H340 May cause genetic defects.
H350 May cause cancer.
H361 Suspected of damaging fertility or the unborn child.
H370 Causes damage to organs.
H372 Causes damage to organs through prolonged or repeated exposure.
H400 Very toxic to aquatic life.

GHS Precautions:

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/vapors/spray.
P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
P262 Do not get in eyes, on skin, or on clothing.
P264 Wash face, hands, and any exposed skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
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.
P281 Use personal protective equipment as required.
P284 Wear respiratory protection.
P285 In case of inadequate ventilation wear respiratory protection.
P310 Immediately call a POISON CENTER or doctor/physician.
P314 Get Medical advice/attention if you feel unwell.
P320 Specific treatment is urgent (see first aid treatment on SDS).
P321 Specific treatment (see first aid treatment on SDS).
P322 Specific measures (see first aid treatment on SDS).
P330 Rinse mouth
P361 Remove/Take off immediately all contaminated clothing.
P363 Wash contaminated clothing before reuse.
P390 Absorb spillage to prevent material damage.
P391 Collect spillage.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P302+P350 IF ON SKIN: Gently wash with soap and water.
P302+P352 IF ON SKIN: Wash with soap and water.
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P304+P341 IF INHALED: If breathing is difficult, 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.
P307+P311 IF exposed: Call a POISON CENTER or doctor/physician.
P308+P313 IF exposed or concerned: Get medical advice/attention.
P333+P313 If skin irritation or a rash occurs: Get medical advice/attention.
P342+P311 If experiencing respiratory symptoms call a POISON CENTER or doctor/physician.
P405 Store locked up.
P406 Store in a corrosive resistant container with a resistant inner liner.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.



Signal Word:
DANGER

Section 3: Composition / Information on Ingredients

Chemical Name/CAS #	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Chromium Trioxide 1333-82-0 30 to 40%			NIOSH: 0.0002 mg/m ³ TWA (as Cr, listed under Chromic acid and Chromates)
Sulfuric Acid 7664-93-9 5 to 10%	1 mg/m ³ TWA	0.2 mg/m ³ TWA (thoracic fraction)	NIOSH: 1 mg/m ³ TWA

Section 4: First Aid Measures

Inhalation:

Rescuers should put on appropriate protective gear. Remove from area of exposure. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Keep victim warm. Get immediate medical attention. To prevent aspiration, keep head below knees.

Eye Contact:

Immediately flush eyes with water. Flush eyes with water for a minimum of 15 minutes, occasionally lifting and lowering upper lids. Get medical attention promptly.

Skin Contact:

Remove contaminated clothing. Wash skin with soap and water. Get medical attention. Wash clothing separately and clean shoes before reuse.

Ingestion

If swallowed, do NOT induce vomiting. Give victim a glass of water. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

Section 5: Firefighting Measures

Extinguishing Media:

Use media suitable for the surrounding fires.

Specific Hazards Arising from the Chemical:

Powerful oxidizer. May react with organic materials rapidly enough to cause ignition. Avoid contact with combustibles. Containers may rupture in a fire. Reacts with most metals, especially when dilute, to give flammable, potentially explosive hydrogen gas

Special Protective Equipment and Precautions for Firefighters:

Special Information:

As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full protective gear.

Section 6: Accidental Release Measures

Steps to be Taken in Case Material is Released or Spilled:

Leaks should be stopped and spills reported to authorities. Neutralize with soda ash, lime or limestone. Flush, or transfer spilled material to waste treatment system.

Reduce hexavalent chrome in product with sodium bisulfite, sodium sulfite, or ferrous sulfate. Neutralize with soda ash, lime or limestone to pH of 7.5. Neutralization causes chrome precipitation. Dispose of solid in an approved

waste landfill. Comply with federal, state, and local regulations.

Section 7: Handling and Storage

Handling Procedures:

Use with adequate ventilation. Avoid breathing dusts, mists, and vapors. Do not get in eyes, on skin, or on clothing. Wear eye protection and protective clothing. Wash thoroughly after handling.

Storage:

Store in cool, dry, well ventilated area away from acids, moisture and water. Keep containers sealed.

Section 8: Exposure Control / Personal Protection

Chemical Name/CAS #	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Chromium Trioxide 1333-82-0			NIOSH: 0.0002 mg/m ³ TWA (as Cr, listed under Chromic acid and Chromates)
Sulfuric Acid 7664-93-9	1 mg/m ³ TWA	0.2 mg/m ³ TWA (thoracic fraction)	NIOSH: 1 mg/m ³ TWA

Engineering Controls:

Provide ventilation sufficient to maintain exposure below the recommended limits.

Respiratory Protection:

A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant the use of a respirator.

Skin Protection:

Wear impervious protective gloves. Wear protective gear as needed - apron, suit, boots.

Eye Protection:

Wear safety glasses with side shields (or goggles) and a face shield.

Other Protective Equipment:

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Hygienic Practices:

Do not eat, drink, or smoke in areas where this material is used. Avoid breathing vapors. Remove contaminated clothing and wash before reuse. Wash thoroughly after handling. Wash hands before eating.

Section 9: Physical and Chemical Properties

Appearance:	Orange Liquid
Odor:	Irritating Acidic Odor
Odor Threshold:	Unknown
Vapor Pressure:	10 @ 20°C
Vapor Density:	Unknown
Density:	Unknown
pH:	1% Solution: 1.6
Melting Point:	Unknown
Freezing Point:	<32°F (0°C)
Solubility:	Completely
Boiling Range:	215°F (102°C)
Flash Point:	Unknown
Evaporation Rate:	Unknown

Flammability: Unknown
Explosive Limits: Unknown
Specific Gravity: 1.170
Auto-ignition Temperature: Unknown
Decomposition Temperature: Unknown
Viscosity: Unknown
Grams VOC Less Water: Unknown

Section 10: Stability and Reactivity

Chemical Stability:
 STABLE

Incompatible Materials:

Organic materials, oils, greases, reducing agents, alkaline solutions, many metals, ammonia gas, hydrogen sulfides, potassium, and sodium, cyanides, carbides.

Conditions to Avoid:

Unknown

Hazardous Decomposition Products:

Oxygen, chromic oxide, sulfur dioxide, sulfur trioxide, hydrogen.

Hazardous Polymerization:

Hazardous polymerization will not occur.

Section 11: Toxicology Information

Mixture Toxicity:

Oral Toxicity LD50: 165mg/kg
 Dermal Toxicity LD50: 183mg/kg
 Inhalation Toxicity LC50: 1mg/L

Component Toxicity:

1333-82-0
 Oral LD50: 50 mg/kg (Rat)
 Dermal LD50: 55 mg/kg (Rabbit)

Routes of Entry:

Inhalation
 Ingestion
 Skin contact
 Eye contact

Effects of Overexposure:

<u>CAS #</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
1333-82-0	Chromium Trioxide	30 – 40%	Chromium trioxide: NIOSH: potential occupational carcinogen (listed under Chromic acid and chromates) OSHA: listed EU REACH: Present
7664-93-9	Sulfuric Acid	5 – 10%	Sulfuric acid: IARC: Human Carcinogen IARC: Human carcinogen OSHA: listed

Section 12: Ecological Information**Component Ecotoxicity**

Chromium Trioxide 96 Hr LC50 Colisa fasciatus: 40 mg/L [static]

Sulfuric Acid 96 Hr LC50 Brachydanio rerio: >500 mg/L [static]

Section 13: Disposal Considerations

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

Section 14: Transportation Information

Refer to Bill of Lading or container label for DOT or other transportation hazard classification, if any.

Section 15: Regulatory Information**CERCLA / SARA Hazardous Substances**

7664-93-9 Sulfuric Acid

DEA List I and II Chemicals

7664-93-9 Sulfuric Acid

SARA 313

7664-93-9 Sulfuric Acid

1333-82-0 Chromium Trioxide

TSCA 8(b) Inventory

7664-93-9 Sulfuric Acid

1333-82-0 Chromium Trioxide

Country**Regulation****All Components Listed****Section 16: Other Information****Date Prepared**

6/5/2018

Disclaimer

The information herein is believed to be correct, but does not claim to be all inclusive and should be used only as a guide. Neither the above-named supplier nor any of its affiliates or subsidiaries assumes 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 chemical reagents must be handled with the recognition that their chemical, physiological, toxicological, and hazardous properties have not been fully investigated or determined. All chemical reagents should be handled only by individuals who are familiar with their potential hazards and who have been fully trained in proper safety, laboratory, and chemical handling procedures. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist. Our Safety Data Sheet (SDS) are based only on data available at the time of shipping and are subject to change without notice as new information is obtained. Avoid long storage periods since the product is subject to degradation with age and may become more dangerous or hazardous. It is the responsibility of the user to request updated Safety Data Sheet (SDS) for products that are stored for extended periods. Disposal of unused product must be undertaken by qualified personnel who are knowledgeable in all applicable regulations and follow all pertinent safety precautions including the use of appropriate protective equipment (e.g. protective goggles, protective clothing, breathing equipment, face mask, fume hood). For proper handling and disposal, always comply with federal, state and local regulations.