



MARTRON INC. SAFETY DATA SHEET MARTRON CUBLACK 80

Section 1: PRODUCT and COMPANY IDENTIFICATION

Product Identifier

Product Name MARTRON CUBLACK 80
Product Code MFC-006031

Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Recommended Use Refer to the *Martron Inc.* Technical Data Bulletin for this product.
For Industrial Use Only.

Details of the Supplier

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

Website

www.martroninc.com

Emergency Number

ChemTrec: 800-424-9300

Section 2: HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

Regulation (EC) No 1272/2008

Acute oral toxicity	Category 4
Skin corrosion/irritation	Category 1
Serious eye damage/eye irritation	Category 1

Classification according to 67/548/EEC

Full text of R-phrases: see Section 16

The preparation is classified as dangerous in accordance with Directive 1999/45/EC

Hazard Symbols

C - Corrosive

R-Code(s)

Xn; R22 - C; R35

Label Elements



Signal Word

DANGER

Hazard Statements

H302 - Harmful if swallowed.

H314 - Causes severe skin burns and eye damage.

Precautionary Statements - EU (§28, 1272/2008)

P280 - Wear protective gloves/protective clothing/eye protection/face protection
 P260 - Do not breathe dust/fume/gas/mist/vapors/spray.
 P321 - Specific treatment (see Section 4).
 P303 + P361 + P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
 P280 - Wear eye protection/face protection.
 P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P310 - Immediately call a POISON CENTER or doctor/physician.

Precautionary Statements

P270 - Do not eat, drink or smoke when using this product.
 P301 + P312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
 P330 - Rinse mouth.
 P260 - Do not breathe dust/fume/gas/mist/vapors/spray.
 P264 - Wash face, hands and any exposed skin thoroughly after handling.
 P301 + P330 + P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
 P303 + P361 + P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower P363 - Wash contaminated clothing before reuse.
 P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 P321 - Specific treatment (see supplemental first aid instructions on this label).
 P405 - Store locked up.
 P501 - Dispose of contents/container to an approved waste disposal plant.
 P280 - Wear protective gloves/protective clothing/eye. protection/face protection.
 P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P310 - Immediately call a POISON CENTER or doctor/physician.

Other Hazards

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

Mixture

Chemical Nature

Aqueous alkaline solution.

Chemical Name	EC #	CAS #	Weight - %	Classification According to Directive 67/548/EEC or 1999/45/EC	Classification According to Regulation (EC) No. 1272/2008 [CLP]	REACH Registration Number
Sodium Tetra Sulfide	Present	12034-39-8	10-20	-	No data available	No data available

Full Text of R-Phrases See Section 16
Full Text of H- and EUH-Phrases See Section 16

Section 4: FIRST AID MEASURES

Description of First Aid Measures

General Advice

Immediate medical attention is required.

Inhalation

Remove victim to fresh air. If not breathing give artificial respiration. If breathing is difficult give oxygen. Get medical attention.

Skin Contact

Immediately remove contaminated clothing and shoes. Flush skin thoroughly with cool water for at least 15

minutes. Wash skin with soap and water. Wash clothing. If irritation persists, get medical attention.

Eye Contact

Immediately flush eyes in a directed stream of water for at least 15 minutes while lifting the upper and lower eyelids intermittently to ensure complete irrigation. Get medical attention immediately.

Ingestion

If conscious and alert, rinse mouth with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Obtain medical advice immediately.

Self-Protection of the First Aider

Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. Use personal protective equipment as required. Avoid contact with skin, eyes or clothing.

Most Important Symptoms and Effects, Both Acute and Delayed**Symptoms**

Causes severe skin burns and eye damage. Will result in irritation of respiratory tract. Overexposure to hydrogen sulfide gas may cause memory loss, paralysis, nerve damage or death.

Indication of Any Immediate Medical Attention and Special Treatment Needed**Note to Physicians**

Treat symptomatically. In case of intense pain, inject an I.M. morphometric analgesic drug before taking patient to hospital. See medical references for applicable antidotes.

Section 5: FIREFIGHTING MEASURES**Extinguishing Media****Suitable Extinguishing Media**

Use extinguishing material suitable for surrounding fire. Water spray, foam, dry chemical or carbon dioxide.

Unsuitable Extinguishing Media

No information available.

Special Hazards Arising from the Substance or Mixture

Contact with active metals may produce flammable hydrogen gas. Keep product and empty container away from heat and sources of ignition. Direct contact with water can generate heat. If involved in a fire, product may generate irritating and toxic gases.

Advice for Firefighters

Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece when fighting chemical fires. Move containers from fire area if it can be done without risk.

Section 6: ACCIDENTAL RELEASE MEASURES**Personal Precautions, Protective Equipment and Emergency Procedures****Personal Precautions**

Use personal protective equipment as required. Evacuate personnel to safe areas. Avoid contact with skin, eyes or clothing. Keep people away from and upwind of spill/leak.

For Emergency Responders

Use personal protection recommended in Section 8.

Environmental Precautions

Do not allow into any sewer, on the ground or into any body of water. Should not be released into the environment. Prevent product from entering drains.

Methods and Material for Containment and Cleanup**Methods for Containment**

Prevent entry into waterways, sewers, basements or confined areas. Prevent further leakage or spillage if safe.

Methods for Cleanup

Ventilate area. Wear protective equipment. Absorb spill with inert absorbent and place in a DOT-approved waste container. Prevent runoff from entering surface water. Comply with all regulations on spill reporting.

Reference to Other Sections**Other Information**

See Section 12: Ecological Information.

Section 7: HANDLING and STORAGE**Precautions for Safe Handling****Advice on Safe Handling**

Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Use only with adequate ventilation. Add product slowly to avoid splashing.

General Hygiene Considerations

Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product.

Conditions for Safe Storage, Including Any Incompatibilities**Storage Conditions**

Keep containers tightly closed in a cool, well-ventilated place. Keep in properly labeled containers. Protect from direct sunlight.

Specific End Use(s)**Risk Management Measures**

The information required is contained in this Safety Data Sheet.

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**Exposure Guidelines**

No information available.

Engineering Controls

Showers. Eyewash stations. A system of local and/or general exhaust is recommended to keep employee exposures below the airborne exposure limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area.

Personal Protective Equipment (PPE)**Eye/Face Protection**

Tight sealing safety goggles. It is generally recognized that contact lenses should not be worn when working with chemicals because contact lenses may contribute to the severity of an eye injury. If a splashing hazard exists, a face shield is recommended.

Skin Protection

Wear chemical resistant gloves such as butyl rubber, natural rubber, neoprene or nitrile. Suitable protective clothing. Protective shoes or boots.

Respiratory Protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

General Hygiene Considerations

Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product.

Section 9: PHYSICAL and CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State	Liquid
Appearance	Red-brown
Odor	Hydrogen sulfide "rotten egg" odor
Odor Threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	Approx. 11.5	
Melting Point/Freezing Point	Not established	
Boiling Point/Boiling Range	Not established	
Flash Point	Not Applicable	
Evaporation Rate	Not established	
Flammability (solid, gas)	Not applicable	
Flammability Limits in Air		
Upper Flammability Limit	Not Applicable	
Lower Flammability Limit	Not applicable	
Vapor Pressure	Not established	
Vapor Density	Not established	
Specific Gravity	1.13 - 1.15	
Water Solubility	Completely Soluble	
Solubility(ies)	No information available	
Partition Coefficient (n-octanol/water)	Not applicable	
Auto-Ignition Temperature	Not applicable	
Decomposition Temperature	Not established	
Kinematic Viscosity	No information available	
Dynamic Viscosity	No information available	
 <u>Other Information</u>		
VOC Content (%)	Not applicable	

Section 10: STABILITY and REACTIVITY

Reactivity

Stable at normal temperatures and pressure.

Chemical Stability

Stable under normal conditions.

Possibility of Hazardous Reactions

Hazardous Polymerization

Hazardous polymerization does not occur.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to Avoid

Avoid storage with incompatible materials, freezing temperatures and excessive heat. In humid or damp conditions, product will react with moisture in air to produce toxic hydrogen sulfide gas.

Incompatible Materials

Acids. Oxidizing materials. carbon dioxide. Non-ferrous metals (aluminum, copper, zinc).

Hazardous Decomposition Products

Reacts with acids to emit toxic hydrogen sulfide gas. Thermal decomposition may generate oxides of sulfur, smoke and fumes.

Section 11: TOXICOLOGICAL INFORMATION**Acute Toxicity****Product Information****Inhalation**

Causes irritation and possible burns to the respiratory tract. Symptoms may include coughing and shortness of breath. Sodium sulfide and hydrogen sulfide can paralyze the sense of smell.

Eye Contact

Corrosive to the eyes and may cause severe damage including blindness

Skin Contact

Causes severe irritation, redness, pain and possible serious burns.

Ingestion

Ingestion may cause discomfort or pain, nausea and possible vomiting. Ingestion causes burns of the upper digestive and respiratory tracts.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Sodium Tetra Sulfide	128 - 130 mg/kg (Rat)	590 - 1650 mg/kg (Rabbit)	

Chronic Toxicity

Overexposure to hydrogen sulfide gas may cause memory loss, paralysis, nerve damage or death.

Carcinogenicity

This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP

Target Organ Effects

Eyes, Skin, Respiratory system

Section 12: ECOLOGICAL INFORMATION**Toxicity****Persistence and Degradability**

No information available.

Bio-Accumulative Potential

No information available.

Mobility in Soil

No information available.

Results of PBT and vPvB Assessment

No information available.

Other Adverse Effects

No information available

Section 13: DISPOSAL CONSIDERATIONS**Waste Treatment Methods****Waste from Residues/Unused Products**

Consult appropriate federal, state and local regulatory agencies to ascertain proper disposal procedures. Do not discharge into waterways or sewer systems. Disposal will depend on the nature of waste material.

Contaminated Packaging

Since empty containers retain product residues, all labeled hazardous precautions must be observed. Do not

repackage product. Do not reuse container.

Waste Codes/Waste Designations According to EWC/AVV

Waste codes should be assigned by the user based on the application for which the product was used.

Section 14: TRANSPORT INFORMATION

DOT (US)

Proper Shipping Name	Corrosive liquid, basic, inorganic, N.O.S., (Sodium Tetra Sulfide)
Hazard Class	8
UN/ID Number	UN3266
Packing Group	PG II
Marine Pollutant	No
Emergency Response Guide Number	154

IMDG

UN/ID Number	UN3266
Proper Shipping Name	Corrosive liquid, basic, inorganic, N.O.S., (Sodium Tetra Sulfide)
Hazard Class	8
Packing Group	PG II
Marine Pollutant	No

IATA

UN/ID Number	UN3266
Proper Shipping Name	Corrosive liquid, basic, inorganic, N.O.S., (Sodium Tetra Sulfide)
Hazard Class	8
Packing group	PG II

Section 15: REGULATORY INFORMATION

International Inventories

All of the components in this product are on or exempt from the following inventories: U.S.A. (TSCA), Canada (DSL/NDSL), Europe (EINECS/ELINCS/NLP), Japan (ENCS), China (IECSC), Korea (ECL), Philippines (PICCS), Australia (AICS)

International Inventory Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	No
Reactive Hazard	No
Sudden Release of Pressure Hazard	No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CAA (Clean Air Act), Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product does not contain any substances which are listed hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act.

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

US State Regulations**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

US State Right-to-Know Regulations

No information available

International Regulations**Mexico - Grade**

No information available.

CANADA

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the Safety Data Sheet (SDS) contains all the information required by the CPR.

Section 16: OTHER INFORMATION**Full Text of R-Phrases Referred to Under Sections 2 and 3**

R25 - Toxic if swallowed
R21 - Harmful in contact with skin
R22 - Harmful if swallowed
R35 - Causes severe burns

Full Text of H-Statements Referred to Under Sections 2 and 3

H302 - Harmful if swallowed
H314 - Causes severe skin burns and eye damage

Issue Date

11-Nov-2014

Revision Date and Note

Not Applicable

This Safety Data Sheet (SDS) complies with the requirements of Regulation (EC) No. 1907/2006

Disclaimer

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