



MARTRON INC SAFETY DATA SHEET MARTRON MSA 20 ANTI-OX

1. IDENTIFICATION OF THE SUBSTANCE

Product Name: MARTRON MSA 20 ANTI-OX
Product Number: MFC-007031
Product Type and Use: Tin and Tin: Lead Plating Bath Additive

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

Website: www.martroninc.com

Emergency Number: CHEMTREC 800-424-9300

2. HAZARD IDENTIFICATION

Classification:
Skin irritation, Category 3
Serious eye damage/irritation, Category 2B
Hazardous to the aquatic environment, Acute Category 3

Symbol:
No Symbol

Signal Word:
WARNING

Hazard Statements:
Causes eye irritation.
Cause mild skin irritation.
Harmful to aquatic life.

Precautionary Statements:
Keep container tightly closed.
Wear protective gloves and eye/face protection.
Avoid release to environment.
Wash thoroughly after use.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Identity	CAS #	Max. Conc. (wt. %)
Hydroquinone	123-31-9	2.5 – 10%

4. FIRST AID MEASURES

Contact with Eyes:
Flush with clean water for 15 minutes. Contact a Physician. Washing eyes within 1 minute after contact is essential to achieve maximum effectiveness.

Contact with Skin:
Immediately wash skin with soap and plenty of water for 15 minutes. Remove contaminated clothing and do not re-use until laundered.

Inhalation:

Remove victim to fresh air. Seek medical attention. If breathing has stopped, start artificial respirations. If breathing difficult, give oxygen.

Swallowing:

Do not induce vomiting. Give large amounts of milk and/or water. Seek medical attention if symptoms persist.

5. FIREFIGHTING MEASURES

Suitable Extinguishing Media:

Water Fog, Dry Chemical, Foam, and CO₂

Unsuitable Extinguishing Media:

High flow water jet

Specific Hazards in Case of Fire:

None Known

Protective Equipment/Precautions:

Positive pressure, self-contained respiratory protection and protective clothing should be worn by firefighters in areas where product is stored.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:

Depending on the extent of release, consider the need for firefighters/emergency responders with adequate personal protective equipment for cleaning up. Do not eat, drink or smoke while cleaning up. See section 8 for personal protective equipment. See section 7 for handling instructions.

Environmental Precautions:

Prevent spills from entering storm sewers or drains and contact with soil.

Methods/Materials for Containment and Cleanup:

Contain spill. Cover with an absorbent material (treated sawdust, diatomaceous earth, sand). Shovel up and dispose of at an appropriate waste facility in accordance with current applicable laws and regulations.

7. HANDLING and STORAGE

Safe Handling Procedures:

Avoid contact with eyes. Avoid prolonged or repeated skin contact. Avoid breathing mists or vapors.

Safe Storage Procedures w/Incompatibles:

Keep container tightly closed when not in use. Keep material away from direct sunlight. Material darkens with age. Protect from freezing. If material freezes, move to warm area and allow material to thaw. Mix well prior to use to insure uniform composition of material.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits:

Component Name	CAS #	OSHA (PEL)	ACGIH (TLV)	STEL	Ceiling
		mg/m ³	mg/m ³	mg/m ³	mg/m ³
Hydroquinone	123-31-9	2.0	Not Listed	Not Listed	Not Listed

Ventilation:

Exhaust ventilation to maintain air contamination below TLV. Mechanical ventilation recommended.

Respiratory Protection:

Use appropriate NIOSH approved respiratory equipment for dust and mists.

Eye Protection:

Face shield, chemical splash goggles

Skin Protection:

Rubber or other suitable material

9. PHYSICAL and CHEMICAL PROPERTIES

Physical State:	Liquid
Color:	Light brown to dark brown
Odor:	Odorless
Relative Density:	1.004 – 1.014 g/ml @ 68°F (20°C)
pH:	2.0 – 3.0
Melting Point:	Not available
Freezing Point:	32°F (0°C)
Initial Boiling Point:	Not available
Flash Point:	Not applicable
Evaporation Rate:	Slower than ether
Flammability (solid, gas):	Not applicable
Explosive Limits:	Not applicable
Vapor Pressure:	Not available
Vapor Density:	Heavier than air
Solubility:	Complete
Partition Coefficient:	Not available
Auto-ignition Temp:	Not available
Decomposition Temp:	Not available

10. STABILITY and REACTIVITY**Chemical Stability:**

Stable

Possibility of Hazardous Reaction:

Will not occur

Conditions to Avoid:

Freezing Temperatures, Direct sunlight

Materials to Avoid:

Aluminum, Strong bases, Strong oxidizers

Hazardous Decomposition:

Oxides of Carbon, Phenol

11. TOXICOLOGICAL INFORMATION**Signs/Symptoms of Overexposure:**

Eye and nasal irritation. Prolonged exposure may cause irritation to the respiratory and digestive tracts.

Acute Effects:**Eye Contact:**

Mild irritant. Prolonged or repeated contact may cause irritation and redness.

Skin Contact:

Mild irritant. Prolonged or repeated exposure may cause irritation, redness, and Dermatitis.

Inhalation:

Inhalation of liquids or airborne concentrations of mists or vapors may be irritating to the mucous membranes of the respiratory tract.

Ingestion:

Industrial chemicals should never be taken internally. Irritating to the mucous membranes of the digestive tract.

Chronic Effects:

None known

Medical Conditions Aggravated by Exposure:

None known

Acute Toxicity Values:

Oral LD ₅₀ (Rat)	5,922 mg/kg	Based on ATE _{mix} Calculations
Dermal LD ₅₀ (Rabbit)	Not Known	
Inhalation LC ₅₀ (Rat)	Not Known	

12. ECOLOGICAL INFORMATION**Persistence and Degradability:**

The total of the organic components contained in the product is not classified as readily biodegradable' (OECD-301 A-F). However, this product is expected to be inherently biodegradable.

Bio-Accumulative Potential:

There is no evidence to suggest bioaccumulation will occur.

Mobility:

Accidental spillage may lead to penetration on the soil and groundwater. However, there is no evidence that this would cause adverse ecological effects

Ecological Toxicity Values:

LC ₅₀ (Fish)	1 mg/l (Rainbow Trout, 96hr)	Based on ATE _{mix} Calculations
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13. DISPOSAL CONSIDERATIONS**Waste Disposal:**

Dispose of in accordance with Federal, State and Local regulations.

Recommended European Waste Code (EWC)

06.13.99

14. TRANSPORT INFORMATION**U. S. DOT (Land)****Proper Shipping Name:****Hazard Class:****UN/NA Number:****Packing Group:****Labels Required:****Marine Pollutant:****Department of Transportation**

Environmentally hazardous substance, liquid, N.O.S., (Contains Hydroquinone)

9

UN3082

III

Class 9 Miscellaneous

Not Applicable

I.A.T.A./I.C.A.O. (Air)**Proper Shipping Name:****Hazard Class:****UN/NA Number:****Packing Group:****Labels Required:****Marine Pollutant:****International Air Transportation Authority/International Civil Aviation Organization**

Environmentally hazardous substance, liquid, N.O.S., (Contains Hydroquinone)

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UN3082

III

Class 9 Miscellaneous

Not Applicable

I.M.D.G. (Sea)**Proper Shipping Name:****Hazard Class:****UN/NA Number:****Packing Group:****Labels Required:****Marine Pollutant:****International Maritime Organization**

Environmentally hazardous substance, liquid, N.O.S., (Contains Hydroquinone)

9

UN3082

III

Class 9 Miscellaneous

Not Applicable

15. REGULATORY INFORMATION

U.S. Federal Regulations:**CERCLA Act of 1980:**

This material does not have a reportable quantity. Follow instructions for cleanup and disposal in Sections 6 & 13.

TCSA Inventory:

All components of this product are included on the TSCA inventory.

Clean Water Act (CWA):

This material is not listed as a hazardous substance under the Clean Water Act.

Clean Air Act (CAA):

This material is not listed as a hazardous substance under the Clean Air Act.

Superfund Amendments and Reauthorization Act (SARA) Title III Information:**SARA Section 311/312 (40CFR 370) Hazard Categories:**

Immediate Hazard:	Yes
Delayed Hazard:	No
Fire Hazard:	No
Pressure Hazard:	No
Reactivity Hazard:	No

SARA Section 313**(40CFR 372) Reportable Toxic Chemical(s):**

Component	CAS Number	Maximum %	Carcinogen Status
Hydroquinone	123-31-9	2.5 – 10%	Group 3 (IARC Monograph 15, Suppl. 7,71)

State Regulations:

Component	CAS Number	Maximum %	State Codes
Hydroquinone	123-31-9	2.5 – 10%	CA (3), DE, ID, IL, MA (HAP), MA (2,4,6 *E *F6 F9), MNO (APO), NJ, NY, PA (E), WA, WI (A)

International Regulations:**Canadian Environmental Protection Act:**

All the components of this product are included on the Canadian Domestic Substance List (DSL)

Canadian (WHMIS) Workplace Hazardous Materials Information System:**Class:**

Not Applicable

Description:

Not controlled under WHMIS

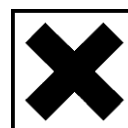
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.

European Inventory of Existing Chemicals (EINECS):

All of the components of this product are included on EINECS

EU Classification:

Dangerous to Environment



Xi Irritant

EU Risk (R) and Safety (S) Phrases:

R36/37/38: Irritating eyes, respiratory system and skin.

R51: Toxic to aquatic organisms.

S7: Keep container tightly closed.

S18: Handle and open with care.

S61: Avoid release to the environment. Refer to special instructions/safety data sheet.

S20/21: When using do not eat, drink or smoke.

S24/25: Avoid contact with skin and eyes.

S36/37/39: Wear suitable protective clothing, gloves and eye/face protection.

16. OTHER INFORMATION**National Fire Protection Assoc. (NFPA) Rating:**

This information is intended solely for the use of individuals trained in the NFPA System.

Health: 2
Flammability: 0
Reactivity: 0

Hazardous Material Identification System (HMIS) Rating:

This information is intended for the use as a compliance aid for the OSHA Hazard Communication Standard (29CFR 1910.1200).

Health: 2
Flammability: 0
Reactivity: 0
Personal Protection: C <Safety Glasses, Gloves, Synthetic Apron>

Safety Data Sheet (SDS) Preparation Date:

April 5, 2017

Disclaimer:

The information presented herein has been compiled from sources considered to be dependable and is accurate to the best of the seller's knowledge. However, seller makes no warranty whatsoever, expresses, implied, or of merchantability regarding the accuracy of such data or the results to be obtained from the use thereof. Seller assumes no responsibility for injury or to third persons or for any damage to any property and buyer assumes all such risks.