

SAFETY DATA SHEET

LOW ODOR DYE STRIPPER

SECTION 1: Product Identification

Product name: Low Odor Dye Stripper
Chemical family: Reducing Agent
Common or Trade name: Color Remover
Manufacturer: Chem Max Corp.
Address: 6479 Norton Center Drive
Norton Shores MI 49441
Phone: 800-858-7237

SECTION 2: Hazards Identification

Acute Toxicity - Oral	Category 4
Eye Damage -	Category 1
Self-heating substances and mixtures -	Category 1
Label Elements -	Danger

Harmful if swallowed.
Causes serious eye damage.
Self-heating, may catch fire.

Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling.
Do not eat, drink or smoke when using this product.
Keep cool. Protect from sunlight.
Wear protective gloves/protective clothing/eye protection/face protection.

IF SWALLOWED: Get medical attention if you feel unwell. Rinse mouth.

Causes serious eye damage

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Get immediate medical attention.

Precautionary Statements - Storage

Do not get wet/avoid water.
Store away from other materials.
Dispose of contents and container in accordance with Local, State and Federal regulations.

SECTION 3: Composition/Information on Ingredients

<u>Name:</u>	<u>CAS #</u>	<u>Weight %</u>
Sodium Metabisulfite	7681-57-4	50 – 90
Sodium Dithionite	7775-14-6	20 – 40
Sodium Sulfite	7757-83-7	5 – 10
Sodium Acid Carbonate	144-55-8	5 - 10
Sodium Bromide	7647-15-6	1 - 5
Sodium Carbonate	497-19-8	1 - 5

The exact percentage of weight of mixture has been withheld as a trade secret.

SECTION 4: First Aid Measures

Skin:	Immediately wash skin with plenty of soap and water. Remove contaminated clothing and launder before reuse. Get medical attention if irritation persists.
Eyes:	Flush eyes immediately with water for at least 15 minutes. Remove contact lenses if present after the first 5 minutes if you can do so easily and continue flushing. Get immediate medical attention.
Inhalation:	Promptly remove to fresh air. Get immediate medical attention if signs of suffocation, irritation or other symptoms develop.
Ingestion:	If conscious, immediately rinse mouth with water and give 1 glass of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get immediate medical attention.
Most important symptoms/effects, acute and delayed:	May irritate the skin. May cause irritation and/or burns to the eyes. Harmful if swallowed or inhaled. May cause severe and possibly fatal allergic reactions if inhaled or swallowed by some asthmatics and other 'sulfite-sensitive' individuals. Reacts with acids to form toxic and irritating sulfur dioxide gas. Releases sulfur dioxide if heated above 150c.
Indication of immediate medical attention and special treatment:	Treat symptomatically. Note potential for anaphylactic shock with allergic individuals.

SECTION 5: Fire Fighting Measures

Extinguishing media

Suitable extinguishing media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media:	Caution: use of water spray when fighting fire may be inefficient.
Specific hazards arising from the chemical:	Flammable.
<u>Explosion data</u>	
Sensitivity to Mechanical impact:	None.
Sensitivity to Static Discharge:	None.
Protective equipment and precautions for firefighters:	Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire and/or explosion do not breath fumes.

SECTION 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Personal precautions:	Remove all sources of ignition. Evacuate personnel to safe areas. Ensure adequate ventilation, especially in confined areas. Use personal protective equipment as required.
For emergency responders:	Use personal protection recommended in Section 8. use personal protective equipment as required.
Environmental Precautions:	Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. See Section 12 for additional ecological information.

Methods and material for containment and cleaning up

Methods for containment:	Prevent further leakage or spillage if safe to do so. Promptly sweep up material with minimum dusting and shovel into an empty container with a cover. Rinse spill area with plenty of water.
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SECTION 7: Handling and Storage

Precautions for safe handling: (See Section 8 for recommended personal protective equipment.)
 Avoid contact with skin, eyes and clothing. Do not breathe dust. DO not eat or drink in the work area. Use normal personal hygiene and housekeeping. Keep away from water, ice, acids, heat and oxidizing agents.
 Ensure adequate ventilation, especially in confined areas. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity).

Conditions for safe storage, including any incompatibilities

Storage Conditions: Keep tightly closed in a dry and cool place. Keep in properly labeled containers. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity).

Incompatible materials: None known based on information supplied.

SECTION 8: Exposure Control/Personal Protection

Exposure Guidelines

<u>Ingredient Name</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>OTHER LIMIT</u>
Sodium Metabisulfite	5mg/m ³ TWA	None	None

Other Exposure Limits for potential Decomposition Products:

Sulfur dioxide: OSHA TWA = 5ppm
ACGIH STEL = 0.25ppm

Appropriate Engineering Controls:

Local exhaust if dusty conditions exist or if there is a release of sulfur dioxide gas. Do not use in unventilated spaces, e.g., the holds of fishing boats, walk-in coolers or confined spaces.

Incompatibilities:

Oxidizers: may cause strong exothermic reactions.

Acids, water and ice: releases sulfur dioxide gas which is toxic, corrosive and potentially deadly. Water and/or ice speeds the production of sulfur dioxide gas.

Individual protection measures, such as personal protective equipment

General Hygiene Considerations: Wear impervious gloves.
When using do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing is recommended.

Eye/face protection: Wear chemical safety goggles.

Respiratory Protection: Where required, use a HIOSH-approved respirator for dust, mist and/or sulfur dioxide gas, as conditions indicate. Some exposure may require a NIOSH-approved self-contained breathing apparatus or supplied-air respirator. Equipment selection depends on contaminant type and concentration. Select in accordance with 29 CFR 1910.134 and good industrial hygiene practice.

Additional recommendations: Eyewash and safety shower are recommended.

SECTION 9: Physical and Chemical Properties

Appearance:	Fine, white granular material.
Physical State:	Solid.
Odor:	Pungent sulfur dioxide odor.
Odor Threshold:	Not determined.
Relative Density (water = 1.0):	Not determined.
Solubility in Water (weigh %):	Not determined.
PH:	Not determined.
Initial Boiling Point/Range:	Not determined.
Melting/Freezing Point:	Begins to rapidly decompose above 300°.
Vapor Pressure:	Not applicable.
Vapor Density (air = 1.0):	Not applicable.
Evaporation Rate:	Not applicable.
% Volatiles:	Not applicable.
Partition Coefficient (N-Octanol/Water):	Not determined.
Viscosity:	Not applicable.
Flash Point:	131°F.
Flash Point Method:	Not determined.
Auto ignition Temperature:	131°F.
Upper Flame Limit (volume % in air):	Not determined.
Lower Flame Limit (Volume % in air):	Not determined.
Decomposition Temperature:	300°F.
Flammability (Solid, Gas)	Flammable.

SECTION 10: Stability and Reactivity

REACTIVITY:

Not normally reactive.

CHEMICAL STABILITY:

Normally stable.

POSSIBILITY OF HAZARDOUS REACTIONS:

Reacts with acids to form toxic and irritating sulfur dioxide gas.

CONDITIONS TO AVOID:

Avoid elevated temperatures. Avoid high humidity (above 80% RH) Temperatures above 300°F cause the rapid evolution of toxic and corrosive sulfur dioxide gas

INCOMPATIBLE MATERIALS:

None known.

HAZARDOUS DECOMPOSITION PRODUCTS:

Sulfur dioxide and sodium sulfide residue. Sodium sulfide is flammable, a dangerous fire risk, a strong irritant to skin and tissue, and is incompatible with acids.

SECTION 11: Toxicological Information

Potential Health Hazards

Acute Effects of Exposure:

- Skin:** Repeated or prolonged contact with dust may cause irritation. Contact with solutions will cause skin irritation and possibly burns.
- Eyes:** Dust or mist may irritate or burn the eyes. Solutions will irritate or burn. Permanent eye injury is possible.
- Inhalation:** Inhalation of dust or mist can irritate the respiratory tract. May cause severe or deadly allergic reactions in some asthmatics and sulfite-sensitive individuals. Possible signs and symptoms of allergic reactions include bronchoconstriction, sweating, flushing, hives, rapid heart rate, decreased blood pressure, and anaphylaxis. Contact with acids, water and/or ice, release sulfur dioxide gas which may be harmful or deadly if inhaled.
- Ingestion:** May irritate the gastrointestinal tract. May cause severe or deadly allergic reactions in some asthmatics and sulfite-sensitive individuals. Very large doses may cause violent colic, diarrhea, depression and even death.

Chronic Effects: None known.

Ingredients found on one of the three OSHA designated carcinogen lists are listed below.

<u>Ingredient Name</u>	<u>CAS</u>	<u>NTP Status</u>	<u>IARC Status</u>	<u>OSHA List</u>
Sodium Sulfite	7757-83-7	-	Group 3	-

Numerical Measures of Toxicity:

Immediate (Acute) Effects:

Sodium metabisulfite – LD₅₀ (oral, rat) = 1131 – 3200 mg/kg

Delayed (Sub chronic and Chronic) Effects:

Sodium metabisulfite is not mutagenic in microbial systems or in rat bone marrow meta phase assay or dominant lethal test in rats. A 2 year feeding study in rats was negative for carcinogenicity. In a three generation feeding study in rats, no adverse effects on reproduction was observed.

Other Data:

None

SECTION 12: Ecological Information

Ecotoxicity:

The following ecotoxicity data is available for Sodium metabisulfite:

Daphnia EC50 48h	89 mg/L
Fish LC50 96h	32 mg/L
Algae EC50 72h	48 mg/L

Persistence and Degradability:

Chemical Oxygen Demand (COD) 168 mg/g

Bio accumulative Potential:

No data available

Mobility in Soil:

No data available

Other Adverse Effects:

No data available

SECTION 13: Disposal Considerations

RCRA

Is the unused product a RCRA hazardous waste if discarded? NO

Other disposal considerations:

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

SECTION 14: Transport Information

Note: Store in a closed container. Keep container upright.

DOT

UN/ID	UN1384
Proper shipping name	Sodium Dithionite
Hazard Class	4.2
Packing Group	II
Special Provisions	A19, A20, IB6, IP2, T3, TP33
Description	UN1384, Sodium Dithionite, 4.2, II
Emergency Response Guide Number	135

IATA

UN/ID	UN1384
Proper shipping name	Sodium hydrosulphite
Hazard Class	4.2
Packing Group	II
ERG Code	4L
Description	UN1384, Sodium hydrosulphite, 4.2, II

IMDG

UN/ID	UN1384
Proper shipping name	Sodium dithionite
Hazard Class	4.2
Packing Group	II
EmS-No	F-A, S-J
Description	UN1384, Sodium dithionite, 4.2, II

SECTION 15: Regulatory Information:

International Inventories

TSCA:	Complies
DSL/NDSL:	Complies
EINECS/ELINCS:	Complies
ENCS:	Complies
IECSC:	Complies
KECL:	Complies
PICCS:	Complies
AICS:	Complies

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 Re authorization 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	Yes
Sudden release of pressure hazard	No
Reactive 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)

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 Re authorization Act (SARA) (40CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

FIFRA

Not applicable

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

SECTION 16: Other Information

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