

MSDS - Material Safety Data Sheet**Product Name: Iron & Rust Stain Remover**

MSDS No.: 039120

Part Numbers Covered:039120
039135
039155**I. Basic Information:****Manufacturer:** WILLIAM H. HARVEY COMPANY**Address:** 4334 SOUTH 67TH STREET**City, ST Zip:** OMAHA, NE 68117-1019**Emergency Contact:** CHEMTREC**Emergency Telephone Number:** (800)424-9300**Contact:** Ray Rael / Jason Hertz**Information Telephone Number:** (800)228-9681**Last Update:** 07/15/2002**Expiration Date:****Chemical State:** Liquid Gas Solid**Chemical Type:** Pure Mixture

2	Health
0	Flammability
0	Reactivity
B	Pers. Protection

II. Ingredients: Trade Secret

CAS No.	Chemical Name	% Range	EHS		IARC		SARA		OSHA PEL	ACGIH TLV	Other Limits
			NTP		SUB Z	313					
141537	SODIUM FORMATE							NI	NI	NI	
7775146	SODIUM HYDROSULFITE							NI	NI	NI	
7681574	SODIUM PYROSULFITE							NI	NI	NI	
7772987	SODIUM THIOSULFATE							NI	NI	NI	

III. Hazardous Identification:**Hazard Category:**
 Acute
 Chronic
 Fire
 Pressure
 Reactive
Hazardous Identification Information:

Signs and symptoms of exposure: Eyes: This material may cause eye irritation. Skin: Slight redness may develop on hand or forearms if individual has a history of dermal allergic reaction. Dermatitis and skin sensitization can develop after repeated and/or prolonged contact with the human skin. Skin absorption: systemically toxic concentrations will probably not be absorbed through the skin in humans. Inhalation: Dusts may be irritating to the nose, throat and respiratory tract. Symptoms may include coughing and breathing difficulty. Ingestion: may cause diarrhea, nausea, anaphylactic shock, acute asthma attacks or loss of consciousness following ingestion.

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IV. First Aid Measures:

Route(s) of Entry:

Eye, skin, inhalation and ingestion

Health Hazards (Acute and Chronic):

N/I

Signs and Symptoms:

N/I

Medical Conditions Generally Aggravated by Exposure:

Estimated lethal dose to humans by ingestions is 10 grams

Emergency and First Aid Procedures:

Emergency and first aid procedures call 1-303-623-5716

Eyes: Flush immediately with water for at least 15 minutes. If irritation persists have eyes examined and treated by medical personnel.

Skin: If irritation exists, remove contaminated clothing and foot wear. Wash material from the skin with plenty of soap and water. Wash clothing and footwear before reuse. If skin irritation occurs, seek medical attention.

Inhalation: Place patient in fresh air. If not breathing, CPR. If breathing is difficult, or irritation develops, seek medical attention.

Ingestion: Don't give anything to an unconscious or convulsing person. If patient is conscious and alert, give two or more glasses of water or milk to drink. If available, give one tablespoon of syrup or ipecac to induce vomiting. If vomiting has not occurred in 20 minutes, the same dosage of syrup of ipecac may be administered only one more time. Otherwise, induce vomiting by touching the back of the throat with finger. Call Poison Control Center

Other Health Warnings:

N/I

V. Fire Fighting Measures:

Flash Point: NI

Lower Explosive Limit: NI

Upper Explosive Limit: NI

F.P. Method:

Fire Extinguishing Media: Water spray, carbon dioxides or dry chemical powder

Special Fire Fighting Procedures:

Wear a niso/MSHA approved self contained breathing apparatus and full protective clothing. Evacuate residents who are downwind of fire. Prevent unauthorized entry to fire area. Dike area to prevent runoff and contamination of water sources.

Persons who have been exposed to contamination smoke should be immediately relieved from duty and checked for symptoms of poisoning. These should not be mistaken for heat exhaustions or smoke inhalations. See health hazard data for symptoms of poisoning, first aid procedures and notes to physician. Flood material with water and contain all runoff. Sand or dry chemical will not stop decomposition reactions.

Unusual Fire and Explosion:

Thermal decomposition products may be hazardous. These include the toxic and corrosive fumes of sulfur dioxide and soxim oxide. Contact with small amounts of water or moist air will cause a chemical decomposition reaction. The heat generated is sufficient to ignite combustible material. If fire code requires sprinklered storage, protect by covering with plastic. Immediately remove and inspect containers which are accidentally wetted.

VI. Accidental Release Measures:

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

Contain and collect. On small spills, use chemical absorbent and sweep up. Discard unreacted material is hazardous waste because of the reactivity with moisture. Keep out of ground and surface waters.

Dispose of this product or its residues in accordance with all local, state and federal requirements.

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VII. Handling and Storage:

Precautions to be Taken:

NA

Other Precautions:

NA

VIII. Exposure Controls/Personal Protection:

Ventilation Requirements:

Normal room ventilations

Personal Protective Equipment:

If need is detemrined, use safety glassed or face shield. Wear glove to protect hands when exposure is likely. Wear clothing to cover exposed areas. Respiratory protection is not required for recommended use. For large quantity handling use NIOSH/MSHA approved respirator with acide gas cartirde and dust prefilter.

IX. Physical and Chemical Properties:

Boiling Point: NI

Melting Point: NI

Evaporation Rate (Butyl Acetate = 1): NI

Vapor Pressure (mm Hg.): NI

Specific Gravity (H2O = 1): 1.40000

Vapor Density (AIR = 1): NI

Solubility In Water: Insoluable

Appearance and Odor: White powder with sulfur odor

Other Information: NI

X. Stability and Reactivity:

Stability:

Stable

Incompatibility (Materials to Avoid):

Mineral acids, oxidizing agents, water

Decomposition/By Products:

Sulfur dioxide, sodium oxide. In catastrophic circumstances hydrogen sulfide and mercptans are present

Hazardous Polymerization:

Will not occur

XI. Toxicological Information:

NI

XII. Ecological Information:

N/I

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XIII. Disposal Considerations:

N/I

XIV. Transport Information:

DOT Proper shipping name: n/a

DOT label: n/a

Dot Number: N/a

Un Number: n/a

IMCO Class: n/a

Dot Hazard classification: N/A

XV. Regulatory Information:

N/I

XVI. Other Information:

N/I

N/I