



Material Safety Data Sheet

IDENTITY (As Used on Label and list) Rust & Iron Stain Remover	HMIS Rating			
	Health 2	Flammability 0	Reactivity 1	Personal Protection Index B

Section I

Manufacturer's Name Whink Products Company	Emergency Telephone Number (800) 229-6036		
Address (Number, Street, City, and ZIP Code) 1901 15 th Avenue	Telephone Number for Information (800) 247-5102		
Eldora, IA 50627	Date Prepared 6-27-00	Supercedes 1-25-99	
	Signature of Preparer (optional) <i>Joe Armer</i>		

Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specify Chemical Identity; Common Name(s))	CAS #	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Sodium Bisulfite	7681-57-4	5 mg/m ³	5 mg/m ³	None	
Sodium Hydrosulfite	7775-14-6	10 mg/m ³	10 mg/m ³	None	

Section III — Physical/Chemical Characteristics

Boiling Point	Decomposes	Specific Gravity	Not available
Vapor Pressure (mm Hg)	Not applicable	Melting Point	No data
Vapor Density (AIR = 1)	Not applicable	Evaporation Rate (Butyl Acetate = 1)	Not applicable
Solubility in Water Appreciable		pH (1%)	6.0 – 7.0
Appearance and Odor White, free flowing granules; characteristic sulfur odor.			

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used) None	Flammable Limits Not applicable	LEL —	UEL —
Extinguishing Media Water. Cool fire exposed containers with water spray.			

Special Fire Fighting Procedure
Wear NIOSH/MSHA approved self-contained breathing apparatus.

Unusual Fire and Explosion Hazards
None

Section V — Reactivity Data

Stability	Unstable	X	Conditions to Avoid Heat (temperatures above 120° F), moisture.
	Stable		
Incompatibility (Materials to Avoid) Strong oxidizers, acids, alkalis.			
Hazardous Decomposition or Byproducts Sulfur dioxide gas, Sodium sulfide.			
Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	

Section VI — Health Hazard Data

Route(s) of Entry:	Inhalation? Yes	Skin? Yes	Ingestion? Yes
Health Hazard (<i>Acute and Chronic</i>) Sodium bisulfite: Oral LD ₅₀ = 2000 mg/kg (rat) Sodium hydrosulfite: Oral LD ₅₀ = 500 mg/kg (rat), skin LD ₅₀ = 10 g/kg (rabbit)			
Carcinogenicity:	NTP? No	IARC Monograph? No	OSHA Regulated? No

Signs and Symptoms of Exposure
 Eye: May cause irritation or burns.
 Skin: May cause mild irritation.
 Ingestion: May cause damage to the mouth, esophagus and stomach tissues.
 Inhalation: May cause damage to upper respiratory tract and lung tissues.

Medical Conditions Generally Aggravated by Exposure
 Pre-existing lung disorders such as asthma and/or persons sensitive to sulfites may be aggravated by exposure to this product.

Emergency and First Aid Procedures
 Ingestion: Do not induce vomiting. Drink large quantities of water or milk. Call physician immediately.
 Eye contact: Remove contact lens, if any. Flush eyes with cold water for 15 minutes. Call physician.
 Skin Contact: Flush with cool water.
 Inhalation: Move to fresh air.

Section VII — Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled
 Contain spill. Place into drums for proper disposal. Dissolve spilled or discarded product in water and dispose of properly. Flush remaining area with water. Use proper safety equipment. Avoid direct discharge into sewers or fresh waters.

Waste Disposal Method
 In accordance with all applicable local, state and federal regulations.
 Precautions to Be Taken in Handling and Storing
 Keep product in original container at all times. Store in a cool, dry place. Close container tightly after each use.

Other Precautions
 Do not mix this product with any other cleaner or chemical. Do not mix in a closed container. Avoid breathing vapors after mixing. Avoid contact with eyes and skin. Use with adequate ventilation.

Section VIII — Control Measures

Respiratory Protection (*Specify Type*)
 For other than normal use, wear NIOSH/MSHA approved half-mask respirator with cartridges for sulfur dioxide gas.

Ventilation	Local Exhaust Recommended	Special
	Mechanical (<i>General</i>)	Other
Protective Gloves Household rubber gloves	Eye Protection Chemical splash goggles if likelihood of splashing exists.	
Other Protective Clothing or Equipment None		
Work/Hygienic Practices Always wash hands with soap and water after handling.		