




Material Safety Data Sheet

NFPA	HMIS	PPE	Transport Symbol						
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Health Hazard	3								
Fire Hazard	1								
Reactivity	1								

Issuing Date 10/06/2008

Revision Date 10/06/2008

Revision Number 2

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name Rust and Iron Stain Remover

Recommended Use Cleaning agent.

Supplier Address

Whink Products Company
PO Box 230
1901 15th Ave., Eldora, IA, 50627
United States of America
Phone: 641.939.2353 Fax: 641.939.2485
Emergency Phone: 800.229.6036 CHEMTREC: 800.424.9300

Company Emergency Phone Number 800.321.9065

2. HAZARDS IDENTIFICATION

Emergency Overview

Severe eye irritation
Risk of serious damage to eyes
Product dust may be irritating to eyes, skin and respiratory system
Harmful if swallowed
Water reactive

Appearance White with Blue Particles

Physical State Solid, Powder

Odor Sulfur

Potential Health Effects

Principle Routes of Exposure Skin contact, Ingestion.

Acute Toxicity

Eyes

Avoid contact with eyes. Risk of serious damage to eyes. May cause burns. Severely irritating to eyes.

Skin

Avoid contact with skin. May cause irritation.

Inhalation

May cause irritation of respiratory tract.

Ingestion

Harmful if swallowed. Ingestion may cause irritation to mucous membranes.

Environmental Hazard

See Section 12 for additional Ecological Information

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Sodium Bisulfate	7681-38-1	10 - 30
Sodium Hydrosulfite	7775-14-6	25 - 45
Sodium Chloride (NaCl)	7647-14-5	25 - 45
Sodium Carbonate	497-19-8	2 - 10
Citric Acid	77-92-9	0.5 - 4
Blue Crystals	NA	1 - 4

4. FIRST AID MEASURES

General Advice	Call 800.229.6036 or emergency medical service. Remove and isolate contaminated clothing and shoes.
Eye Contact	In case of contact with eyes, remove contacts if needed, immediately flush eyes with running water for at least 20 minutes. Get medical attention immediately if irritation persists.
Skin Contact	For minor skin contact, avoid spreading material on unaffected skin. Wash off immediately with plenty of water.
Inhalation	Move victim to fresh air. Apply artificial respiration if victim is not breathing. Administer oxygen if breathing is difficult.
Ingestion	Do not induce vomiting. Rinse mouth. Drink plenty of water. If symptoms persist, call a physician. Clean mouth with water and afterwards drink plenty of water. Never give anything by mouth to an unconscious person. Consult a physician.

5. FIRE-FIGHTING MEASURES

Flammable Properties	Non-combustible, substance itself does not burn but may decompose upon heating to produce corrosive and/or toxic fumes. Produces Sulfur Dioxide upon heating. Containers may rupture due to gas build-up when heated.
Flash Point	Not determined.
Suitable Extinguishing Media	Material will react with water to produce Sulfur Dioxide. Dry chemical, CO ₂ , or sand. Water spray on surrounding fire only. Move containers from fire area if you can do it without risk. Dike fire control water for later disposal; do not scatter the material.
Uniform Fire Code	<ul style="list-style-type: none"> Irritant: Solid COMBUSTIBLE DUST/POWDER
Hazardous Combustion Products	Sulfur Dioxides
Explosion Data	
Sensitivity to mechanical impact	Not sensitive
Sensitivity to static discharge	Not sensitive

Protective Equipment and Precautions for Firefighters In the event of a fire wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode.

National Fire Protection Association (NFPA) Ratings: This information is intended solely for the use of individuals trained in the NFPA system.

Health Hazard 3 Flammability 1 Stability 1 Physical and Chemical Hazards W

6. ACCIDENTAL RELEASE MEASURES

Methods for Containment Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.

Methods for Cleaning Up Use personal protective equipment. Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry. Take up mechanically and collect in suitable container for disposal. Avoid dust formation. Clean contaminated surface thoroughly. Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal. After cleaning, flush away traces with water. Take precautionary measures against static discharges.

Other Information DO NOT GET WATER INSIDE CONTAINERS.

7. HANDLING AND STORAGE

Handling Avoid contact with skin, eyes and clothing. Wear personal protective equipment. Remove and wash contaminated clothing before re-use. Do not breathe vapors/dust. Do not eat, drink or smoke when using this product. Use only in area provided with appropriate exhaust ventilation.

Storage Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children. Keep in properly labeled containers.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Engineering Measures

- Showers
- Eyewash stations
- Ventilation systems

Personal Protective Equipment

Eye/Face Protection Tightly fitting safety goggles. Face-shield.

Skin and Body Protection Wear Chemical Resistant Gloves.

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

Hygiene Measures When using, do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White	Odor	Sulfur.
Odor Threshold	No information available	Physical State	Solid Powder
pH	No information available.	Autoignition Temperature	No information available.
Flash Point	No information available.	Boiling Point/Range	No information available.
Decomposition Temperature	No information available.	Explosion Limits	No information available.
Melting Point/Range	No information available.	Solubility	No information available.
Flammability Limits in Air	No information available.	Vapor Pressure	No data available.
Water Solubility	Appreciable (42g/100cc of water)	VOC Content	Not applicable.
Evaporation Rate	No information available.	Partition Coefficient (n-octanol/water)	No data available.
Vapor Density	No data available.		

10. STABILITY AND REACTIVITY

Stability	Stable under recommended storage conditions
Incompatible Products	Water, acids, alkalis, sodium nitrate, oxidizers, aluminum powder and sodium chlorite.
Conditions to Avoid	Moisture, humidity, heat, flame, ignition sources and incompatibles.
Hazardous Decomposition Products	Emits sulfur oxide gases under fire conditions and in contact with water.
Hazardous Reactions	Reacts violently with water.
Hazardous Polymerization	Hazardous polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

Signs and Symptoms of Overexposure	Eye, Mouth, Nasal and Mucous Membrane irritation. Itching or burning of the skin.		
Acute Effects			
Eyes	May cause severe conjunctiva irritation and corneal damage. May cause burns.		
Skin	May cause irritation and allergic skin reaction.		
Inhalation	May cause irritation of respiratory tract and mucous membranes.		
Ingestion	Harmful if swallowed. Ingestion may cause irritation to gastrointestinal tract.		
Target Organ Effects	None known.		
Chronic Toxicity	Avoid repeated exposure.		
Carcinogenicity	Contains no ingredient listed as a carcinogen.		
Acute Toxicity Values	Oral LD ₅₀ (Rat) = Not Determined	Dermal LD ₅₀ (Rabbit) = Not Determined	Inhalation LC ₅₀ (Rat) = Not Determined

12. ECOLOGICAL INFORMATION

Ecotoxicity

12. ECOLOGICAL INFORMATION

The environmental impact of this product has not been fully investigated

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements

Contaminated Packaging Dispose of in accordance with local regulations

California Hazardous Waste Codes 561

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical Name	California Hazardous Waste Status
Sodium Hydrosulfite	Ignitable
Sodium Carbonate	Corrosive

14. TRANSPORT INFORMATION

DOT

Proper Shipping Name Consumer commodity
Hazard Class ORM-D
Description Consumer commodity, ORM-D

TDG

Proper Shipping Name Corrosive solid, n.o.s.
Hazard Class 8
UN-No UN1759
Packing Group II
Description CORROSIVE SOLID, N.O.S. (Sodium hydrosulfite, Sodium bisulfate), 8, UN1759, PG II

MEX

Proper Shipping Name Corrosive solid, n.o.s.
Hazard Class 8
UN-No UN1759
Packing Group II
Description UN1759 Corrosive solid, n.o.s. (Sodium hydrosulfite, Sodium bisulfate), 8, II

ICAO

UN-No UN1759
Proper Shipping Name Corrosive solid, n.o.s.
Hazard Class 8
Packing Group II
Description Corrosive solid, n.o.s. (Sodium hydrosulfite, Sodium bisulfate), 8, UN1759, PG II

IATA

UN-No UN1759
Proper Shipping Name Corrosive solid, n.o.s.
Hazard Class 8
Packing Group II

14. TRANSPORT INFORMATION

ERG Code	8L
Description	UN1759, Corrosive solid, n.o.s.(Sodium hydrosulfite ,Sodium bisulfate),8,PG II

IMDG/IMO

Proper Shipping Name	Corrosive solid, n.o.s.
Hazard Class	8
Subsidiary Class	+
UN-No	UN1759
Packing Group	II
EmS No.	F-A, S-B
Description	UN1759, Corrosive solid, n.o.s.(Sodium hydrosulfite ,Sodium bisulfate),8(+),PG II

RID

Proper Shipping Name	Corrosive solid, n.o.s.
Hazard Class	8
UN-No	UN1759
Packing Group	II
Classification Code	C10
Description	UN1759 Corrosive solid, n.o.s.(Sodium hydrosulfite ,Sodium bisulfate),8,II,RID
ADR/RID-Labels	8

ADR

Proper Shipping Name	Corrosive solid, n.o.s.
Hazard Class	8
UN-No	UN1759
Packing Group	II
Classification Code	C10
Description	UN1759 Corrosive solid, n.o.s.(Sodium hydrosulfite ,Sodium bisulfate),8,II

ADN

Proper Shipping Name	Corrosive solid, n.o.s.
Hazard Class	8
Packing Group	II
Classification Code	C10
Special Provisions	274
Description	UN1759 Corrosive solid, n.o.s.(Sodium hydrosulfite ,Sodium bisulfate),8,II
Hazard Labels	8
Limited Quantity	LQ23

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15. REGULATORY INFORMATION**International Inventories**

TSCA	Complies
DSL	Does not Comply
EINECS/ELINCS	Complies
ENCS	Does not Comply
CHINA	Does not Comply
KECL	Does not Comply
PICCS	Does not Comply
AICS	Does not Comply

U.S. 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
Sudden Release of Pressure Hazard	No
Reactive Hazard	Yes

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)

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

This product does not contain any substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act Amendments of 1990

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

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15. REGULATORY INFORMATION Cont.

U.S. State Regulations**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Sodium Bisulfate	N/A	X	N/A	N/A	N/A

International Regulations

Mexico - Grade

Slight risk, Grade 1

Canada

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

WHMIS Hazard Class

E Corrosive material

F Dangerously reactive material

D2B Toxic materials



16. OTHER INFORMATION

Revision Date 10/06/2008

Revision Note Second Revision

Prepared By:

Manufacturer's Technical Services Department

Disclaimer

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of MSDS

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