



Material Safety Data Sheet

EMERGENCY PHONE: 1-800-321-9065

CHEMTREC: 800-424-9300

SECTION 1 IDENTIFICATION

PRODUCT NAME: Whink Rust Flush™

CAS NO: None

SUPPLIER: Whink Products Company

1901 15th Avenue

P.O. Box 230

Eldora, IA 50627

USA

TEL: 001-641-939-2353

Fax: 001-641-939-2485

SECTION 2 COMPOSITION INFORMATION ON HAZARDOUS INGREDIENTS

(As per OSHA Hazardous Communication Standard, CFR29 1910.1200 and Canadian WHMIS Regulations)

INGREDIENTS	CAS NO	WT%	AGGIH		OSHA	VOC
			TLV	STEL	PEL	STEL Reportable
Hydrochloric Acid	7647-01-0	9-12	5 ppm	3 ppm	5 ppm	3 ppm 0%

Other Specific Acids Proprietary Blend CAS# Various

* This product and/or components are listed in the Toxic Substances Control Act (TSCA) Inventory of Chemicals; hence, it may be subject to applicable TSCA provisions and restrictions.

SECTION 3 HAZARDS IDENTIFICATION

Emergency Overview: A water white liquid with a bland or no odor. Mists and liquid are moderately irritating to the eyes, skin and respiratory tract.

Potential Health Effects:

Eye Contact: Exposure to mists, or liquid may cause eye irritation. Symptoms of exposure may include tearing, redness and painful burning sensation. Exposure is not expected to cause corneal damage or visual impairment.

Skin Contact: Exposure to mists, or liquid may cause moderate skin irritation. Symptoms off exposure may include redness, swelling a stinging sensation and burning. No published reports indicate this product is absorbed through the skin.

Inhalation: Exposure to mists may cause irritation to the nose, throat and lungs Symptoms of exposure may include headache, dizziness, burning of the nose and throat.

Ingestion: Aspiration hazard. This product can enter the lungs and cause severe lung damage during swallowing or vomiting. Symptoms of exposure may include burning of the nose, throat and mouth.

SECTION 4 FIRST AID MEASURES

EYE CONTACT: Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open. Get medical attention.

SKIN CONTACT: Flush skin with water, if irritation occurs get medical attention.

INGESTION: Aspiration hazard. If swallowed. Get medical attention immediately. DO NOT induce vomiting or give anything by mouth. If vomited, this material can enter the lungs and cause severe damage. If victim is drowsy or unconscious, lay victim on side with head down. Get medical attention.

INHALATION: If inhaled immediately move to fresh air. If not breathing give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Get medical attention.

SECTION 5 FIRE-FIGHTING MEASURES

GENERAL HAZARD: This is an acid based product and water and is not flammable.

EXTINGUISHING MEDIA: Water fog, CO2 or dry chemicals Use a water spray to cool containers exposed to fire

SPECIAL FIRE FIGHTING PROCEDURES: Usual fire fighting procedures may be used. Self-contained breathing apparatus is recommended, contains hydrochloric acid and could release hydrogen gas which may become flammable.

UNUSUAL FIRE & EXPLOSION HAZARDS: None.

HAZARDOUS COMBUSTION PRODUCTS: When heated to decomposition, it emits toxic hydrogen gas.

SECTION 6 ACCIDENTAL RELEASE MEASURES

LAND SPILL: Large quantities should be picked up with absorbent small quantities should be neutralized to a pH between 6 and 9.

WATER SPILL: Contain the area around the spill and neutralize to a pH between 6 and 9.

SECTION 7 HANDLING AND STORAGE

STORAGE TEMPERATURE: Ambient

STORAGE PRESSURE: Ambient

GENERAL: Store in a cool, dry, well ventilated area away from incompatible materials and products. Wear recommended personal protective equipment when handling this product. Protect eyes, skin and clothing from contact with product. Do not breathe vapors or mists. Use with adequate ventilation. Do not take internally. Wash thoroughly with soap and water after handling this product.

The empty container may be hazardous. It may contain flammable residues and vapors. Do not cut, puncture or weld on or near this container.

SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

CONTROL MEASURES: use local mechanical exhaust capable of maintaining emissions, in the work area, below the ACGIH-TLV, OSHA-PEL or levels that may cause irritation.

RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT:

Respiratory: For exposures above the ACGIH-TLV, OSHA-PEL or levels that may cause irritation, wear a NIOSH approved full facepiece or half mask air-purifying cartridge equipped with a organic vapor cartridge or supplied air.

Eyes: Wear chemical goggles, unless a full facepiece respirator is worn.

Hands: Gloves if irritation is suspected.

Other: Wear a nitrile or PVA apron when handling this product also wear boots.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: Above 212° F	VAPOR PRESSURE: No Data Available
VAPOR DENSITY: No Data Available	EVAPORATION RATE: Same as Water
SPECIFIC GRAVITY (H ₂ O=1): 1.06	MELTING POINT: NA
SOLUBILITY: Liquid.	VOC Content: NA
APPEARANCE: Clear	ODOR: None
FLASH POINT: None	pH (1% Solution): 0.1 to 1.0

SECTION 10 STABILITY AND REACTIVITY

STABILITY: Stable

CONDITIONS TO AVOID: Strong caustic solutions.

HAZARDOUS DECOMPOSITION: Hydrogen Gas.

INCOMPATIBILITY (MATERIAL TO AVOID): Strong caustic agents

HAZARDOUS POLYMERIZATION: Unknown

SENSITIVITY TO STATIC DISCHARGE: None

SECTION 11 TOXICOLOGICAL INFORMATION

Components:	<u>Hydrochloric Acid</u>
Eye contact	No Data Available
Skin Contact:	No Data Available
Oral Rat LD ₅₀ :	3.6 mg/L
Dermal Rabbit LD ₅₀ :	5 ppm
Inhalation Rat LC ₅₀ :	5 ppm
Human Data:	No Data Available
Other Toxicological Data:	Inhalation Rat LD ₅₀ 5 ppm
Carcinogenicity:	Skin Mouse TD ₅₀ 330 gm/kg 86 weeks
Teratogenicity:	No Data Available
Mutagenicity:	No Data Available
Synergistic Products:	None Reported
Target Organs:	Eyes, Skin, Mucus membranes
Medical Conditions	
Aggravated by exposure:	Skin or Respiratory disorders

SECTION 12 ECOLOGICAL INFORMATION

ENVIRONMENTAL FATE: The environmental fate of this product is expected to be: **Land**—biodegrades into carbon dioxide, carbon and water. **Water**—Disperses into water with slight pH change to water. **Air**—Forms water vapor and carbon dioxide. This product is not expected to bioaccumulate.

Unlisted Substance: Yes
 Reportable Quantity: 5,000 pounds
 Characteristic: Corrosive
 RCRA Waste No: Unknown

SARA TITLE III

Section 302 & 303 (40 CFR 355):

Listed Substance Listed
 Reportable Quantity: 5,000 lbs.
 Planning threshold: 5,000 lbs

Section 311 & 312 (40 CFR 370):

Hazard Categories (Product): Fire: N Sudden Release of Pressure: N Reactive: N
 Acute Health: N Chronic Health: N
 Planning Threshold: 5,000 pounds

Section 313 (40CFR 372):

Listed Toxic Chemical: Listed
 Reporting Threshold: 5,000 lbs

U.S. TSCA Status

Listed (40 CFR 710): Yes

State Regulations:

State of California: Safe Drinking Water and Toxins Enforcement Act, 1986 (Proposition 65):

Carcinogen: No
 Reproductive Toxin: No

Other Regulations:

State Right to Know Laws: CA, CT, FL, IL, LA, MA, ME, MN, NJ, PA, RI

Canadian Regulations:

Product Information:

Controlled Product: Yes
 WHMIS Hazard Symbols: Corrosive Liquid: Material Causing other Toxic Effects.
 WHMIS Class & Division: 8.3, D.28

Ingredient Information:

IDL Substances: Listed
 Domestic Substance List: Yes

SECTION 16 OTHER INFORMATION

EPA Registration Number: Not Applicable
Approved Product Uses: Not Applicable

Additional Toxicological Information (Continued from section 11)

Components:

HMIS Rating: Health: 1 Flammability: 0 Reactivity: 0 Personal Protective Index: B

This information relates only to the specific product designated and may not be valid for such product used in combination with any other products or in any other process. The stated MSDS is reliable to the best of the company's knowledge and believed accurate as of the date indicated. However, no representation, warranty or guarantee of any kind, expressed or implied is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use.

Joe Armer

_____ Date: _____
Director of Technical Services