

MATERIAL SAFETY DATA SHEET

Mark V Products

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Product Number: Wheel Brite
**For Chemical Emergency, Call Chemtrec
1-800-424-9300**

HEALTH HAZARD	3 - Serious
FLAMMABILITY HAZARD	0 - Minimal
REACTIVITY HAZARD	1 - Slight
PERSONAL PROTECTION	D + u

SECTION 1 - IDENTIFICATION

Product Name: WHEEL BRITE
Product Type: Acid-based chrome and aluminum cleaner
Description: A thin, clear liquid with an acid odor.

SECTION II - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENT	CAS NUMBER	PEL
Sulfuric Acid	7664-93-9	1mg/m ³
Hydrofluoric Acid	7664-39-3	3 ppm
Phosphoric Acid	7664-38-2	1 ppm
Surfactant Blend	Mixture	None Est.

SECTION III - PHYSICAL DATA

Appearance: A thin clear liquid
Boiling Point: 212^o F
Water Solubility (%): 100

Specific Gravity: 1.09
% Volatile by volume: N/A
pH: 1

SECTION IV - FIRE AND EXPLOSION DATA

Flash Point (method): > 200^o F (TCC)
Extinguishing Media: CO2, foam, water fog, water spray.
NFPA Classification: IIIB
NFPA Symbol Codes: Flammability 0, Health 2, Reactivity 1
Fire Fighting Procedures: Wear approved SCBA with full facepiece operated in positive pressure demand mode.

SECTION V - REACTIVITY DATA

Stability: Material is Stable
Hazardous Polymerization: Hazardous Polymerization is not expected to occur
Incompatibility: Avoid contact with strong alkaline solutions, oxidizers, powdered metals & organic materials.
Hazardous Decomposition: Combustion may emit toxic, corrosive fumes of Hydrogen Fluoride, Sulfur Dioxide & Fluorine Gas.

SECTION VI - HEALTH DATA

Routes of Entry: Inhalation, skin absorption, ingestion
Listed Carcinogen: Not listed by IARC, NTP or OSHA
Medical Conditions Aggravated: Pre-existing conditions of the skin & respiratory system.
Inhalation: Excessive inhalation of vapors and mist can cause severe tissue damage, even death.
Ingestion: Can cause gastrointestinal burns, vomiting, diarrhea and death.
Aspiration of material into lungs may cause chemical pneumonitis.
Eyes: May cause severe irritation, redness, tearing, blurred vision and blindness.
Skin: May cause severe irritation, redness, dryness and tissue damage.

SECTION VII - FIRST AID

Inhalation: Remove to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, give artificial respiration. Get immediate medical attention. Victim should be examined by a physician and held under observation for 24 hours.
Ingestion: Do NOT induce vomiting. If conscious, give large quantities of water. Follow with Milk of Magnesia. Keep person warm and quiet. Get emergency medical treatment.
Eyes: Immediately flush with large amounts of water for at least 25 minutes, holding eyelids apart and away from eyeballs. Get immediate medical attention. If a physician is not immediately available, apply one or two drops of 0.5% Pontocaine Hydrochloride solution followed by a second irrigation for 15 minutes. Irrigation with dilute (1%) Calcium Gluconate in normal saline for 1 - 2 hours may prevent or lessen corneal damage.
Skin contact: Immediately rinse with water using a hose or safety shower. Remove contaminated clothing. Treat affected area with a solution of iced 0.13% Zephiran Chloride.

NOTES TO PHYSICIAN: Treat inhalation as chemical pneumonia. Monitor for hypocalcemia. 2.5% Calcium Gluconate in normal saline by nebulizer or by IPPB with 100% oxygen may decrease pulmonary damage. Bronchodilators may also be administered.

For burns of large skin areas, (> 25 square inches), for ingestion and for significant inhalation exposure, severe systemic effects may occur. Monitor and correct for hypocalcemia, cardiac arrhythmias, hypomagnesemia and hyperkalemia. In some cases renal dialysis may be indicated. For certain burns, especially of the digits, use of intra-arterial calcium Gluconate may be indicated.

SECTION VIII - EMPLOYEE PROTECTION

Respiratory Protection: Wear NIOSH approved acid gas cartridge respirator.
Protective Clothing: Nitrile gloves, chemical resistant apron (rubber or plastic) and chemical splash goggles.
Additional Measures: Do not place product in unmarked container. Keep away from children. Slippery when spilled.

SECTION IX - SPILL AND DISPOSAL DATA

Spill: Dike to prevent spillage into stream or storm drain system. Recover all material possible. Absorb remaining material with vermiculite or other absorbent material.
Waste Disposal: Follow Federal, State and local guidelines.
Handling & Storage: Store in a cool, well ventilated area. Avoid freezing or over heating. Wash hands with soap and water before smoking or eating.

SECTION X - OTHER REGULATORY INFORMATION

Shipping Name: Corrosive Liquids, Poisonous, n.o.s. (Hydrofluoric acid and Sulfuric Acid) 8
UN Listing: 2922
Packing Group: III
Constituent: Hydrofluoric Acid, Sulfuric Acid

SECTION XI - PRECAUTIONARY STATEMENTS

WARNING: This information contained in this MSDS is based on the data available to us from sources we believe to be reliable. No warranty or guaranty expressed or implied is made regarding the accuracy of this data or the results obtained from the reliance on this data. The manufacturer assumes no responsibility for injury from the use of this product. Be safe: Read this safety information and forward it to all persons who may be exposed to this product.