BLACK SWAN MFG. CO.

GHS SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION

Manufacturer: Black Swan Mfg. Co. 4540 W. Thomas St. Chicago, IL 60651-3318 Tel.: 800-252-5796 Fax: 773-227-3705 Web Site : www.blackswanmfg.com E-mail : info@blackswanmfg.com	For any Transportation or Medical Chemical Emergencies call: **INFOTRAC** (800) 535-5053 **OR** (352) 323-3500 24 hours per day - 7 days a week
Product Name: Chrome & Tile Cleaner	**Recommended Use:** Used to remove rust, lime and scale from chrome, tile, copper, brass, stainless steel, fiberglass, porcelain, glass, aluminum and plastic.

SECTION 2 – HAZARD(S) IDENTIFICATION

Labels

Corrosive Irritant

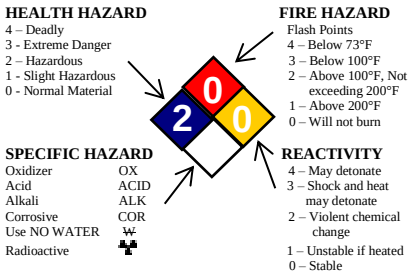
Signal Word

Danger

HMIS

HEALTH	2
FLAMMABILITY	0
REACTIVITY	0

NFPA



GHS Classification

Health

Acute Toxicity: Not Established
Skin Irritation: Not Established
Eye Irritation: Not Established
Skin Sensitization: No

Environmental

Acute Aquatic Toxicity: Not Established
Chronic Aquatic Toxicity: Not Established

Physical

None

Hazardous Statements

H302: Harmful if swallowed
H315: Causes skin irritation
H319: Causes serious eye irritation

Precautionary Statements

P101: If medical advice is needed, have product container or label at hand
P102: Keep out of reach of children
P103: Read label before use
P262: Do not get in eyes, on skin, or on clothing
P264: Wash hands and exposed skin thoroughly after handling
P281: Use personal protective equipment as required

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Chemicals	CAS#	EINECS#	REACH Pre-registration Number	Approx %
PHOSPHORIC ACID	7664-38-2	N/A	N/A	25%

*Unlisted ingredients are not classified as hazardous according to OSHA 1910.1200.

SECTION 4 – FIRST-AID MEASURES

Inhalation: Remove to fresh air. Immediately call for medical advice or assistance if breathing difficulty is severe or continues.
Skin: Immediately flush with cool running water for 15 minutes. Remove contaminated clothing and wash before reuse. If irritation or burn develops and persists, get medical advice or assistance.
Eyes: Immediately flush with cool running water holding eye lids apart. Remove contact lenses if present, and continue flushing for 15 minutes. Get medical assistance.
Ingestion: Rinse mouth with large amounts of water. Drink water, milk or other fluids to dilute. Do not induce vomiting unless directed by medical personnel. Immediately call for medical advice or assistance.

SECTION 5 – FIRE-FIGHTING MEASURES

Fire Hazard: None known.
Combustion Products: None known.
Extinguishing Media: As needed to surround fire.
Unsuitable Extinguishing Media: None known.
Protective Equipment: Self-contained breathing apparatus {(SCBA), MSHA/NIOSH}. Full protective gear.
Special Fire Fighting Procedures: Evacuate enclosed areas, stay upwind. Wear self-contained breathing apparatus and protective clothing to prevent contact.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions: Only knowledgeable and properly protected people should work with a large spill.
Protective Equipment: Wear glasses and rubber gloves.
Emergency Procedures: Remove all sources of ignition and ventilate area. For leaks, stop leak if it can be done safely. Evacuate area and keep unnecessary and unprotected personnel from entering the spill area.
Environmental Precautions: Avoid runoff into storm sewers, ditches and waterways.
Methods for Cleaning Up: **Small Spills** (Less than 2 gallons) – Neutralize area with sodium bicarbonate (baking soda), soda ash, lime, or general alkaline detergent. Flush to drain with excess water flow. **Large Spills** –Recover to drum for later use, treatment or disposal. Recover using acid resistant pump, scoops, absorbent material, or other process as appropriate. Neutralize contaminated area with sodium bicarbonate (baking soda), soda ash, lime, or general alkaline detergent. Flush to drain. Notify local, state, or national authorities if required.

SECTION 7 – HANDLING AND STORAGE

Handling	Storage
Avoid contact with eyes and skin. Use appropriate protective clothing to avoid contact with product. Wash thoroughly after handling.	Store in a cool, dry, well-ventilated area away from incompatible materials. Keep container closed when not in use. Keep from freezing. **Incompatible Materials**: Strong oxidizing or reducing agents, alkaline materials, most metals, especially aluminum, zinc (will generate flammable hydrogen gas), leather, paper and other organic materials.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits

Hazardous Chemicals	ACGIH-TLV	ACGIH-STEL	OSHA-PEL
PHOSPHORIC ACID	1 MG/M^3	N/A	1 MG/M^3

Engineering Controls: A source of running water to flush or wash the eyes and skin in case of contact.
Ventilation: General or local to avoid exposure to irritating mists.
Personal Protective Equipment – Respiratory: NIOSH/MSHA approved respirator where conditions may cause exposure limits to be exceeded from mists of solutions.
Personal Protective Equipment – Skin: Acid resistant, impervious gloves. Full body covering with rubber apron and shoes as needed to prevent contact.
Personal Protective Equipment – Eyes: Glasses, goggles, and/or face shield to prevent eye exposure.

SECTION 9 – PHYSICAL & CHEMICAL PROPERTIES

Appearance:	Clear	**Flash Point**:	212°F	**Vapor Pressure**:	Not Established
Odor:	Pleasantly Scented	**Specific Gravity**:	1.1	**Flammability**:	Not Established
pH:	Not Established	**Solubility (H2O):**	Complete	**Flammability Limits**:	LEL – Not Established
Melting Point:	Not Established	**Evaporation Rate**:	<1		UEL – Not Established
Freezing Point:	Not Established	**Vapor Density**:	<1		
Boiling Point:	Not Established	**VOC**:	0 g/l		

`

SECTION 10 – STABILITY AND REACTIVITY

Stability: Stable.
Hazardous polymerization: Will not occur.
Conditions to avoid: Contact with incompatible materials.
Incompatible materials: Strong oxidizing or reducing agents, alkaline materials, most metals, especially aluminum, zinc (will generate flammable hydrogen gas), leather, paper and other organic materials.
Hazardous decomposition products: Oxides of phosphorus and carbon.

SECTION 11 – TOXICOLOGICAL INFORMATION

	Toxicity	
Hazardous Chemicals	**LD_{50}**	**LC_{50}**
PHOSPHORIC ACID	N/A	N/A

Likely Routes of Exposure: Inhalation, Skin, Eye and Ingestion.
Symptoms and Effect - Inhalation: Lung corrosive. **Skin Contact:** Corrosive and causes severe skin irritation and can cause severe skin burns. May affect behavior (somnolence or excitement) if absorbed through skin. **Eye Contact:** Corrosive. Liquid or vapor causes severe eye irritation and can cause severe eye burns leading to permanent corneal damage or chemical conjunctivitis. **Ingestion:** May be harmful if swallowed. Causes irritation and burns of the gastrointestinal (digestive tract). Causes severe pain, nausea, vomiting, diarrhea, hematemesis, gastrointestinal hemorrhaging and shock. May cause corrosion and permanent tissue destruction of the esophagus and digestive tract. May affect behavior and urinary system, liver, blood.
Long-Term Effect: None known.
Pre-Existing Conditions: None known.

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity: None known.
Persistance & Degradability: None known.
Bioaccumulative Potential: None known.
Mobility in soil: In normal use, emission of Volatile Organic Compounds (VOC's) to the air takes place, typically at a rate of 0g/l.

SECTION 13 – DISPOSAL CONSIDERATION

Dispose of product or container in accordance with federal, state or local regulations.

SECTION 14 – TRANSPORTATION INFORMATION

D.O.T. (U.S.): Not Regulated.

SECTION 15 – REGULATORY INFORMATION

Precautionary Label Information: Corrosive.
Risk Phrases: R34-Causes burns.
Safety Phrases: S26-In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. **S45-**In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

SECTION 16 – OTHER INFORMATION

Information on this form is furnished solely for the purpose of compliance with the Occupational Safety and Health Act and shall not be used for any other purpose. Black Swan Mfg. Co. urges the customers receiving this Material Safety Data Sheet to study it carefully to become aware of the hazards, if any, of the product involved. In the interest of safety, you should notify your employees, agents and contractors of the information on the sheets. **DATE: 01/01/2026**

`