

Safety Data Sheet

Issue Date 08/16/2002



SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name #89 Brick & Tile Cleaner

Other means of identification

SDS # / Grade: - CP - 1512

Recommended Use of the Chemical and Restrictions on Use

Relevant identified use(s) - Brick and Concrete Cleaner, removes excess mortar from like surfaces.

Details of the Supplier of the Safety Data Sheet

Supplier Perk Products & Chemical Co.
42 Industry Street
Nashville, TN 37210
www.Perk-Products.com

Emergency telephone number

Company Phone: (615) 242-6157
Emergency Phone: (800) 424-9300 – CHEMTREC

SECTION 2: HAZARDS IDENTIFICATION

Classification

Corrosive to Metals	Category 1
Skin Corrosion	Category 1C, B
Serious Eye Damage	Category 1

Signal Word

DANGER

Hazard Statements

Corrosive to metals.
Serious eye damage.



Appearance: Transparent Pink liquid

Physical State: Liquid

Odor: Moderate aromatic

Precautionary Statements - Prevention

Keep only in original container. Do not breathe vapors, mist, or spray. Wash thoroughly after handling. Wear protective gloves, eye protection, and face protection.

Precautionary Statements - Response

If exposed or concerned: Seek medical advice/attention

IF IN EYES: Flush with clean water for at least 10-15 minutes. Call a physician.

IF ON SKIN: Wash thoroughly with soap and water. If irritation develops, seek medical attention.

IF INDUCED INTERNALLY: Do not induce vomiting. Call a physician or poison control center immediately.

IF INHALED: Move to fresh air and avoid breathing fumes. Contact a physician if breathing becomes difficult.

Precautionary Statements – Storage

Store locked up

Store in corrosive resistant container with a resistant inner liner.

Precautionary Statements – Disposal

Dispose of contents/container according to Federal, State/Provincial and local governmental regulations.

Classification complies with OSHA Hazard Communication Standard (29 CFR 1910.1200) and is consistent with the provisions of the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

See Section 11 for additional toxicological information.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Phosphoric Acid	7664-38-2	30 – 60
Hydrochloric Acid	7647-01-0	30 – 60
T-Det N 9.5	9016-45-9	<30

SECTION 4: FIRST AID MEASURES

First Aid Measures**Eye Contact**

IF IN EYES: In case of eye contact, rinse immediately with plenty of water for 15 minutes, and seek immediate medical attention.

Skin Contact

Remove contaminated clothing and footwear. For skin contact, flush with large amounts of water. Seek immediate medical attention. If irritation persists, repeat flushing and get medical attention. Discard any shoes or clothing items that cannot be decontaminated.

Inhalation

Immediately move to fresh air. Seek medical attention if symptoms develop or persist.

Ingestion

Immediate medical treatment necessary. DO NOT induce unless directed to do so by medical personnel. Give one to two glasses of water or milk. Never give anything by mouth to a victim who is unconscious or is having convulsions.

Most Important Symptoms and Effects, both Acute and Delayed**Symptoms**

See section 11 for symptoms.

Note to Physicians

Treat symptomatically and supportively.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media Use media appropriate for surrounding material.

Unusual Fire or Explosion Hazards This product is an aqueous mixture which will not burn.

Hazardous Combustion Products Irritating and toxic gases or fumes may be released during a fire. Upon combustion, oxides of chlorine may be released.

Protective Equipment and Precautions for Firefighters

Wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions Use personal protective equipment as required. Remove all sources of ignition. Avoid breathing vapors. Ventilate affected area.

Environmental Precautions Prevent further leakage or spillage if safe to do so. Wear suitable protective clothing, gloves and eye/face protection.

Methods and Material for Containment and Cleaning Up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up Absorb spill with inert material. Shovel material into appropriate container for disposal. Dispose of according to Federal, State and local governmental regulations. Ventilate area.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling

Advice on Safe Handling Avoid contact with eyes, skin and clothing. Do not breathe gas/fumes/vapor/spray. Wash thoroughly after handling. Provide adequate ventilation. Do not take internally. For industrial use only.

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place away from incompatible materials. Manufacturer recommends storing above 4.4 °C (40°F). Thaw and mix thoroughly if frozen.

SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Phosphoric Acid	3 mg/m3 STEL	-	-
Hydrochloric Acid	2 ppm Ceiling	5 ppm (7 mg/m3) Ceiling	-

Appropriate Engineering Controls

Engineering Controls Provide local and general exhaust ventilation to effectively remove and prevent buildup of any vapors or mists generated from the handling of this product.

Eye/Face Protection Wear chemical goggles; face shield (if splashing is possible)

Skin and Body Protection Chemical resistant, impermeable gloves. Use protective clothing chemically resistant to this material.

Respiratory Protection

If ventilation is not sufficient to effectively prevent buildup of aerosols, mists or vapors, appropriate NIOSH/MSHA respiratory protection must be provided.

General Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practice.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State	Liquid	Odor	Moderate to sharp
Appearance	Transparent pink liquid	Odor Threshold	Not determined
Color	Colorless		

<u>Property</u>	<u>Values</u>
pH	< 2
Vapor Pressure	Not Determined
Boiling Point/ Range	> 100°C (> 212°F)
Melting Point / Range	Not Determined
Vapor Density	Not Determined
Specific Gravity	1.1 – 1.4
Water Solubility	Complete
Solubility in Other Solvents	Not Determined
Flash Point	Not Applicable
Flammable/Explosive Limits	Not Applicable
Partition Coefficient	Not Determined
Autoignition Temperature	Not Determined
Decomposition Temperature	Not Determined
Kinematic Viscosity	Not Determined
Dynamic Viscosity	Not Determined
Explosive Properties	Not Determined
Oxidizing Properties	Not Determined
VOC Content	Not Applicable

SECTION 10: STABILITY AND REACTIVITY

Stability

Stable under normal conditions.

Hazardous Reactions

None under normal processing.

Hazardous Decomposition Products

Irritating and toxic gases or fumes may be released during a fire. Upon combustion, oxides of chlorine may be released.

Conditions to Avoid

Store away from incompatible materials.

Incompatible Materials

Alkalis. Do not mix with chlorates.

Reactivity

This product may react with strong alkalis.

SECTION 11: TOXICOLOGICAL INFORMATION

Relevant Routes of Exposure Skin, Inhalation, Eyes

Potential Health Effects/Symptoms

Eye Contact	This product is severely irritating to the eyes and may cause irreversible damage including burns and blindness.
Skin Contact	Corrosive to the skin. Contact with the skin or mucous membranes may cause severe irritation and burns.

Inhalation Mists, vapors or liquid may cause severe irritation or burns. Inhalation of mists or vapors may produce upper airway edema, wheezing, pulmonary edema, pneumonitis and respiratory failure.

Ingestion This product may be fatal if it is swallowed. This product may product corrosive damage to the gastrointestinal tract if it is swallowed.

Component Information

Chemical Name	Oral LD50	Immediate and Delayed Health Effects
Phosphoric Acid 7664-38-2	Oral LD50 (RAT) = 1,530 mg/kg Dermal LD50 (RABBIT) = 2,740 mg/kg	Irritant, Corrosive
Hydrochloric Acid 7647-01-0	Oral LD50 (RABBIT) = 900 mg/kg Inhalation LC50 (RAT, 1h) = 3124 ppm	Irritant, Corrosive, Kidney
T-Det N 9.5 9016-45-9	Non Hazardous N/A	Non Hazardous N/A

Hazardous Components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Phosphoric Acid 7664-38-2	No	No	No
Hydrochloric Acid 7647-01-0	No	No	No

SECTION 12: ECOLOGICAL INFORMATION

Ecological Information No data available. Because of the low pH of this product, it would be expected to produce significant ecotoxicity upon exposure to aquatic organisms and aquatic systems.

SECTION 13: DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal: Dispose of according to Federal, State and local governmental regulations. This chemical contains phosphates.

Hazardous Waste Number: This product, if discarded directly, would be a characteristic RCRA corrosive waste (D002).

SECTION 14: TRANSPORTATION INFORMATION

Note Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances. This may be non-regulated in non-bulk packages for DOT ground only per 49 CFR 173.150(f)

This transport information provided in this section only applies to the material/formulation itself, and is not specific to any package/configuration.

DOT

UN/ID No	UN1789
Proper Shipping Name	Phosphoric/Hydrochloric acid solution
Hazard Class	8
Packing Group	III

IATA

UN/ID No UN1789
Proper Shipping Name Phosphoric/Hydrochloric acid solution
Hazard Class 8
Packing Group III

IMDG

UN/ID No UN1789
Proper Shipping Name Phosphoric/Hydrochloric acid solution
Hazard Class 8
Packing Group III

SECTION 15: REGULATORY INFORMATION

United States Regulatory Information

TSCA 8 (b) Inventory Status: All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.

TSCA 12 (b) Export Notification: None above reporting de minimis

CERCLA/SARA Section 302 EHS: Hydrochloric Acid (CAS# 7647-01-0)
CERCLA/SARA Section 311/312: Immediate health
CERCLA/SARA Section 313: This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know act of 1986 (40 CFR 372). Hydrochloric Acid (CAS# 7647-01-0).

CERCLA Reportable Quantity: Hydrochloric Acid (CAS# 7647-01-0) 5,000lbs (2,270 kg)
 Phosphoric Acid (CAS# 7664-38-2) 5,000lbs (2,270 kg)

California Proposition 65: This product contains a chemical known in the State of California to cause cancer. This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

Canada Regulatory Information

CEPA DSL/NDL Status: All components are listed on or are exempt from listing on the Canadian Domestic Substances List.

SECTION 16: OTHER INFORMATION

Issue Date 16-Aug-2002
Last Revision Date 12-June-2015

Disclaimer/Statement of Liability:

The information in this Safety Data Sheet 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 a warranty or quality specification. Perk Products Co. makes no warranty expressed or implied concerning this material except that it conforms to the description of this SDS. Neither Perk Products & Chemical Co, Inc., nor the seller shall be held responsible in any manner for personal injury or property damage, or other types of loss resulting from the handling, storage, or use of this product. The buyer assumes all risk.

End of Safety Data Sheet