SAFETY DATA SHEET
Klean Strip Concrete and Metal Prep

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Revision: 02/27/2023
Supersedes Revision: 10/19/2022

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Klean Strip Concrete and Metal Prep

Company Name: W. M. Barr
2105 Channel Avenue
Memphis, TN 38113

Web site address: www.wmbarr.com

Emergency Contact: 3E 24 Hour Emergency Contact (800)451-8346

Information: W.M. Barr Customer Service (800)398-3892

Intended Use: Multi-Purpose Solvent

Product Code: GKPA30220

2. HAZARDS IDENTIFICATION

Skin Corrosion/Irritation, Category 1B
Serious Eye Damage/Eye Irritation, Category 1

GHS Signal Word: **Danger**

GHS Hazard Phrases:
H314: Causes severe skin burns and eye damage.
H318: Causes serious eye damage.

GHS Precautionary Phrases:
P260: Do not breathe {dust/fume/gas/mist/vapors/spray}.
P264: Wash {hands} thoroughly after handling.
P280: Wear {protective gloves/protective clothing/eye protection/face protection}.

GHS Response Phrases:
P301+330+331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+361+353: IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310: Immediately call a POISON CENTER or doctor/physician.
P321: Specific treatment {see ... on this label}.
P363: Wash contaminated clothing before reuse.

GHS Storage and Disposal Phrases:
P405: Store locked up.
P501: Dispose of contents/container according to local, state and federal regulations.

OSHA Regulatory Status: This material is classified as hazardous under OSHA regulations.

Potential Health Effects (Acute and Chronic):

INHALATION EFFECTS:
Can cause irritation or corrosive burns to the upper respiratory system, including nose, mouth, and throat. Lung irritation and pulmonary edema can also occur.

SKIN CONTACT EFFECTS:
This product is a skin irritant. May cause burns and irritation.

EYE CONTACT EFFECTS:
This material is an eye irritant. May cause burns or blindness.

INGESTION EFFECTS:
Harmful or fatal if swallowed. Ingestion causes irritation and can cause corrosive burns

to the mouth, throat, and stomach.

CHRONIC EFFECTS:
Long-term exposure may cause upper respiratory disease and irritation of the skin.

TARGET ORGANS: skin, eyes, respiratory system

ROUTES OF ENTRY: skin, inhalation, ingestion, eyes

Medical Conditions Generally Aggravated By Exposure: None Known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration
7664-38-2	Phosphoric acid {Orthophosphoric acid}	10.0 -30.0 %
67-63-0	Isopropyl alcohol {sec-Propyl alcohol; IPA; 2-Propanol}	0.1 -1.0 %
68439-46-3	Alcohols, C9-11, ethoxylated	0.1 -1.0 %

Additional Chemical Information Specific percentage of composition is being withheld as a trade secret.

4. FIRST AID MEASURES

Emergency and First Aid Procedures:

Skin:
Immediately wash skin thoroughly with large amounts of water, while removing clothing. Seek medical attention if irritation develops or persists.

Eyes:
Immediately begin to flush eyes with water, remove any contact lens if present. Continue to flush the eyes for at least 15 minutes. Seek medical attention.

Inhalation:
Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention. Observe for possible delayed reaction.

Ingestion:
If swallowed, do NOT induce vomiting. Drink large amounts of water (or milk if available) to dilute the acid. Seek immediate medical attention. Call a physician, hospital emergency room, or poison control center immediately. Never give anything by mouth to an unconscious person.

Signs and Symptoms Of Exposure: See Potential Health Effects.

5. FIRE FIGHTING MEASURES

Flammability Classification:	Non-Flammable
Flash Pt:	None
Explosive Limits:	LEL: N.D. UEL: N.D.
Autoignition Pt:	N.D.
Suitable Extinguishing Media:	Non-combustible liquid - use extinguishing media for underlying cause of fire.
Unsuitable Extinguishing Media:	None known.
Fire Fighting Instructions:	Self-contained respiratory protection should be provided for fire fighters fighting fires in buildings or confined areas. Storage containers exposed to fire should be kept cool with water spray to prevent pressure build-up. Stay away from heads of containers that have been exposed to intense heat or flame. Stay upwind of fire.
Flammable Properties and Hazards:	
Hazardous Combustion Products:	In a fire phosphoric acid may release phosphorus oxides and/or phosphine from thermal decomposition and hydrogen from reaction with metals.

6. ACCIDENTAL RELEASE MEASURES

Steps To Be Taken In Case Material Is Released Or Spilled:

Isolate the immediate area. Prevent unauthorized entry. Stay upwind, out of low areas, and ventilate closed spaces before entering. Do not touch or walk through spilled material. Stop leak if you can do so without risk. Prevent entry into waterways, sewers, or confined areas. No smoking in spill area.

Small Spill:
Neutralize acid spill with alkali such as soda ash, sodium bicarbonate, limestone or lime. Absorb material with an inert material such as sand, vermiculite, diatomaceous earth or other absorbent material and place in chemical waste container to be disposed at an appropriate waste disposal facility. Adequate ventilation is required for soda ash due to the release of carbon dioxide gas.

Large Spill:
Contain spill with dikes and transfer material to appropriate containers for reclamation or disposal. Clean up remaining material as you would for a small spill.

7. HANDLING AND STORAGE

Precautions To Be Taken in Handling:

Avoid contact with skin and eyes. Avoid inhalation of vapor and ingestion of liquid.

Read carefully all cautions and directions on product label before use. Since empty container retains residue, follow all label warnings even after container is empty. Dispose of empty container according to all applicable local, state, and federal regulations. Do not reuse this container.

A source of clean water for emergency flushing of the eyes or skin should be kept in or near the work area.

Do not mix with any other chemical.

Precautions To Be Taken in Storing:

Store in a closed container in a cool, well ventilated area. Store away from heat sources and out of direct sunlight.

Protect from freezing. Avoid extreme high or low temperatures.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS #	Chemical Name	Jurisdiction	Recommended Exposure Limits	Notations
7664-38-2	Phosphoric acid {Orthophosphoric acid}	ACGIH TLV	TLV: 1 mg/m3 STEL: 3 mg/m3	
		OSHA PELs	PEL: 1 mg/m3	
67-63-0	Isopropyl alcohol {sec-Propyl alcohol; IPA; 2-Propanol}	ACGIH TLV	TLV: 200 ppm STEL: 400 ppm	
		OSHA PELs	PEL: 400 ppm	

Respiratory Equipment (Specify Type): For use in areas with inadequate ventilation or fresh air, wear a properly maintained and properly fitted NIOSH approved respirator.

For OSHA controlled work places and other regular users - Use only with adequate ventilation under engineered air control systems designed to prevent exceeding the appropriate TLV.

A dust mask does not provide protection against vapors.

Eye Protection: Chemical splash goggles or a face shield should be worn to safeguard against potential eye contact, irritation, or injury.

Protective Gloves: Wear gloves with as much resistance to the chemical ingredients as possible. Glove materials such as nitrile, natural rubber, and neoprene will provide protection. Glove selection should be based on chemicals being used and conditions of use. Consult your glove supplier for additional information. Gloves contaminated with product should be discarded and not reused.

Other Protective Clothing: Various application methods can dictate the use of additional protective safety equipment, such as impermeable aprons to minimize exposure.

Engineering Controls (Ventilation etc.): Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

Use only with adequate ventilation to prevent buildup of vapors. Do not use in areas where vapors can accumulate and concentrate, such as basements, bathrooms or small enclosed areas. Whenever possible, use outdoors in an open air area. If using indoors open all windows and doors and maintain a cross ventilation of moving fresh air across the work area. If strong odor is noticed or you experience slight dizziness, headache, nausea or eye-watering -- STOP -- ventilation is inadequate. Leave area immediately and move to fresh air.

Work/Hygienic/Maintenance Practices: Wash hands thoroughly after use and before eating, drinking, or smoking.

Do not eat, drink, or smoke in the work area.

Discard any clothing or other protective equipment that cannot be decontaminated.

Facilities storing or handling this material should be equipped with an emergency eyewash and safety shower.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical States:	[ ] Gas [X] Liquid [ ] Solid
Appearance and Odor:	Clear Blue Green Odorless Liquid Odor threshold not determined.
pH:	1.0 - 2.0
Melting Point:	
Boiling Point:	> 37.70 C
Flash Pt:	None
Evaporation Rate:	< 1 (BuAC=1)
Flammability (solid, gas):	
Explosive Limits:	LEL: N.D. UEL: N.D.
Vapor Pressure (vs. Air or mm Hg):	N.D.
Vapor Density (vs. Air = 1):	> 1
Specific Gravity (Water = 1):	1.127 - 1.167
Density:	9.38 - 9.71 LB/GL
Bulk density:	Not established
Solubility in Water:	Complete
Saturated Vapor Concentration:	N.D.
Octanol/Water Partition Coefficient:	ND
Percent Volatile:	74.6 % by weight.
VOC / Volume:	5.1000 G/L
Autoignition Pt:	N.D.
Decomposition Temperature:	N.D.
Viscosity:	4.2 CPS
Particle Size:	Not established
Heat Value:	Not established
Corrosion Rate:	Not established
a_fld_hdr[9]:	ND = Not Determined. NE = Not Established.
Information with regard to primary physical hazard:	

10. STABILITY AND REACTIVITY

Stability:	Unstable [ ] Stable [X]
Conditions To Avoid - Instability:	
Incompatibility - Materials To Avoid:	Incompatible with bases, aluminum, brass, and bronze.
Hazardous Decomposition or Byproducts:	Thermal decomposition may produce phosphorous oxides and/or phosphine. Hydrogen gas may be formed from reaction with metals.
Possibility of Hazardous	Will occur [ ] Will not occur [X]

Reactions:

Conditions To Avoid -

Hazardous Reactions:

11. TOXICOLOGICAL INFORMATION

Toxicological Information: This product has not been tested as a whole. Refer to section 2 for acute and chronic health effects.

CAS# 7664-38-2:
Standard Draize Test, Skin, Species: Rabbit, 595.0 MG, 24 H, Severe.
Result:
Blood:Other changes.
Biochemical: Metabolism (Intermediary): Other proteins.
- BIOFAX Industrial Bio-Test Laboratories, Inc., Data Sheets., Vol/p/yr: 17-4, 1970

Standard Draize Test, Eyes, Species: Rabbit, 119.0 MG, Severe.
Result:
Blood:Other hemolysis with or withot anemia.
Blood:Other changes.
Biochemical: Metabolism (Intermediary): Other proteins.
- BIOFAX Industrial Bio-Test Laboratories, Inc., Data Sheets., Vol/p/yr: 17-4, 1970

CAS# 67-63-0:
Standard Draize Test, Eyes, Species: Rabbit, 100.0 MG, Severe.
Result:
Specific Developmental Abnormalities: Musculoskeletal system.
Specific Developmental Abnormalities: Other developmental abnormalities.
- American Journal of Ophthalmology., Ophthalmic Pub. Co., 435 N. Michigan Ave., Suite 1415, Chicago, IL 60611, Vol/p/yr: 29,1363, 1946

CAS# 68439-46-3:
Acute toxicity, LD50, Oral, Rat, 1378. MG/KG.
Result:
Behavioral: Somnolence (general depressed activity).
Behavioral: Ataxia.
Gastrointestinal:Hypermotility, diarrhea.
- Journal of the American College of Toxicology., Mary Ann Liebert, Inc., New York, NY, Vol/p/yr: 10(4),427, 1991

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
7664-38-2	Phosphoric acid {Orthophosphoric acid}				
67-63-0	Isopropyl alcohol {sec-Propyl alcohol; IPA; 2-Propanol}		3	A4	
68439-46-3	Alcohols, C9-11, ethoxylated				

12. ECOLOGICAL INFORMATION

General Ecological Information: This product has not been tested as a whole.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method: Dispose in accordance with applicable local, state and federal regulations.

14. TRANSPORT INFORMATION

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Phosphoric acid solution
DOT Hazard Class: 8 CORROSIVE
UN/NA Number: UN1805 **Packing Group:** III

Additional Transport Information:

15. REGULATORY INFORMATION

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
7664-38-2	Phosphoric acid {Orthophosphoric acid}	No	Yes NA	No
67-63-0	Isopropyl alcohol {sec-Propyl alcohol; IPA; 2-Propanol}	No	No	Yes
68439-46-3	Alcohols, C9-11, ethoxylated	No	No	No

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
7664-38-2	Phosphoric acid {Orthophosphoric acid}	TSCA: Inventory
67-63-0	Isopropyl alcohol {sec-Propyl alcohol; IPA; 2-Propanol}	TSCA: Inventory
68439-46-3	Alcohols, C9-11, ethoxylated	TSCA: Inventory

Additional Regulatory Information This product is regulated by the United States Consumer Product Safety Commission and is subject to certain labeling requirements under the Federal Hazardous Substances Act. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS). The product label also includes other important information, including directions for use, and should always be read in its entirety prior to using the product.

16. OTHER INFORMATION

Revision Date:	02/27/2023	**Previous revision:**	10/19/2022
Preparer Name:	W.M. Barr EHS Dept (901)775-0100		

Additional Information About This Product:

Company Policy or Disclaimer:

The information contained herein is presented in good faith and believed to be accurate as of the effective date shown above. This information is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determination of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. Any use of this data and information must be determined by the user to be in accordance with applicable federal, state and local laws and regulations.