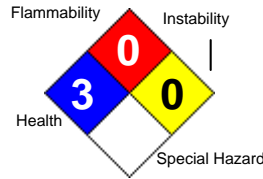


SAFETY DATA SHEET

Klean Strip Phosphoric Prep & Etch

Page: 1

HEALTH		3
FLAMMABILITY		0
PHYSICAL		0
PPE		X



Printed: 05/18/2012
Revision: 05/18/2012
Supersedes Revision: 08/16/2010

1. Product and Company Identification

Product Code: 401.5
Product Name: Klean Strip Phosphoric Prep & Etch
Manufacturer Information
Company Name: W. M. Barr
2105 Channel Avenue
Memphis, TN 38113
Phone Number: (901)775-0100
Emergency Contact: 3E 24 Hour Emergency Contact (800)451-8346
Information: W.M. Barr Customer Service (800)398-3892
Web site address: www.wmbarr.com
Preparer Name: W.M. Barr EHS Dept (901)775-0100
Intended Use: Metal prep & etch for removing rust and paint and stain adhesion.
Synonyms
GKPA30220, QKPA30221

2. Hazards Identification

GHS Classification

GHS Hazard Phrases

No data available.

GHS Precaution Phrases

No data available.

GHS Response Phrases

No data available.

GHS Storage and Disposal Phrases

No data available.

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.

SAFETY DATA SHEET

Klean Strip Phosphoric Prep & Etch

Page: 2
Printed: 05/18/2012
Revision: 05/18/2012
Supercedes Revision: 08/16/2010

TARGET ORGANS: skin, eyes, respiratory system

ROUTES OF ENTRY: skin, inhalation, ingestion, eyes

Medical Conditions Generally Aggravated By Exposure

None Known.

OSHA Regulatory Status:

This material is classified as hazardous under OSHA regulations.

3. Composition/Information on Ingredients

Hazardous Components (Chemical Name)	CAS #	Concentration
1. Phosphoric acid {Orthophosphoric acid}	7664-38-2	35.0 -45.0 %

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: NE

Explosive Limits: LEL: No data. UEL: No data.

Autoignition Pt: No data available.

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

No data available.

Hazardous Combustion Products

In a fire phosphoric acid may release phosphorus oxides and/or phosphine from thermal decomposition and hydrogen from reaction with metals.

SAFETY DATA SHEET

Klean Strip Phosphoric Prep & Etch

Page: 3
Printed: 05/18/2012
Revision: 05/18/2012
Supersedes Revision: 08/16/2010

Suitable Extinguishing Media

Non-combustible liquid - use extinguishing media for underlying cause of fire.

Unsuitable Extinguishing Media

None known.

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

Hazardous Components (Chemical Name)	CAS #	OSHA PEL	ACGIH TWA	Other Limits
1. Phosphoric acid {Orthophosphoric acid}	7664-38-2	PEL: 1 mg/m ³	TLV: 1 mg/m ³ STEL: 3 mg/m ³	No data.

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.

SAFETY DATA SHEET

Klean Strip Phosphoric Prep & Etch

Page: 4
Printed: 05/18/2012
Revision: 05/18/2012
Supercedes Revision: 08/16/2010

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
Melting Point:	No data.
Boiling Point:	210 F - 500 F
Autoignition Pt:	No data.
Flash Pt:	NE
Specific Gravity (Water = 1):	1.25
Density:	10.246 LB/GL at 75 F
Vapor Pressure (vs. Air or mm Hg):	< 1 MM HG at 20 C
Vapor Density (vs. Air = 1):	> 1
Evaporation Rate:	< 1
Solubility in Water:	Complete
Percent Volatile:	53 % by weight.
VOC / Volume:	5.0 G/L

SAFETY DATA SHEET

Klean Strip Phosphoric Prep & Etch

Page: 5
Printed: 05/18/2012
Revision: 05/18/2012
Supercedes Revision: 08/16/2010

pH: < 1

Appearance and Odor

Clear Green Liquid

10. Stability and Reactivity

Stability: Unstable [] Stable [X]

Conditions To Avoid - Instability

No data available.

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 Reactions: Will occur [] Will not occur [X]

Conditions To Avoid - Hazardous Reactions

No data available.

11. Toxicological Information

Toxicological Information

This product has not been tested as a whole. Information below will be for individual ingredients.

Phosphoric Acid:

ACUTE TOXICITY:

LD50 Rat oral 1520 mg/kg

LD50 Rabbit skin 2740 mg/kg

LC50 (guinea pig, mouse, rat, rabbit) 61-1,689 mg/m³

Not found to be toxic to animals by oral and dermal exposure as defined by OSHA. Highly toxic to animals by inhalation as defined by OSHA.

SKIN CORROSION / IRRITATION: Can cause severe skin irritation.

SERIOUS EYE DAMAGE / IRRITATION: Can cause severe eye irritation and damage.

RESPIRATORY OR SKIN SENSITIZATION: Not considered a sensitizer.

ASPIRATION HAZARD: No data.

MUTAGENIC DATA: No data.

IMMUNOTOXICITY: No data.

NEUROTOXICITY: No data.

DEVELOPMENTAL/REPRODUCTIVE: No data.

CARCINOGEN STATUS: Not listed.

Chronic Toxicological Effects

This product has not been tested as a whole.

Hazardous Components (Chemical Name)	CAS #	NTP	IARC	ACGIH	OSHA
1. Phosphoric acid {Orthophosphoric acid}	7664-38-2	n.a.	n.a.	n.a.	n.a.

12. Ecological Information

General Ecological Information

This product has not been tested as a whole. Information below will be for individual ingredients.

Phosphoric Acid:

TOXICITY:

LC50 Fish 3.0-3.5 mg/L 96 hr

SAFETY DATA SHEET

Klean Strip Phosphoric Prep & Etch

Page: 6
Printed: 05/18/2012
Revision: 05/18/2012
Supercedes Revision: 08/16/2010

Moderately toxic to aquatic organisms as defined by USEPA.

PERSISTENCE AND DEGRADABILITY: Phosphoric acid undergoes ionic dissociation in water. While acidity of this material is readily reduced in natural waters, the resulting phosphate may persist indefinitely or incorporate into biological systems.

BIOACCUMULATIVE POTENTIAL: See above.

MOBILITY IN SOIL: No data.

OTHER ADVERSE EFFECTS: No data.

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 Compound Cleaning Liquid

AIR TRANSPORT (ICAO/IATA)

ICAO/IATA Shipping Name Corrosive Liquid, n.o.s. (Contains Phosphoric Acid)

UN Number: 1760

Hazard Class: 8 - CORROSIVE

Packing Group: III

MARINE TRANSPORT (IMDG/IMO)

IMDG/IMO Shipping Name Corrosive Liquid, n.o.s. (Contains Phosphoric Acid)

UN Number: 1760

Hazard Class: 8 - CORROSIVE

Packing Group: III

Additional Transport Information

For D.O.T. information, contact W.M. Barr Technical Services at 1-800-398-3892.

The shipper/supplier may apply one of the following exceptions: Combustible Liquid, Consumer Commodity, Limited Quantity, Viscous Liquid, Does Not Sustain Combustion, or others, as allowed under 49CFR Hazmat Regulations. Please consult 49CFR Subchapter C to ensure that subsequent shipments comply with these exceptions.

15. Regulatory Information

US EPA SARA Title III

Hazardous Components (Chemical Name)	CAS #	Sec.302 (EHS)	Sec.304 RQ	Sec.313 (TRI)	Sec.110
1. Phosphoric acid {Orthophosphoric acid}	7664-38-2	No	Yes 5000 LB	No	No

US EPA CAA, CWA, TSCA

Hazardous Components (Chemical Name)	CAS #	EPA CAA	EPA CWA NPDES	EPA TSCA	CA PROP 65
1. Phosphoric acid {Orthophosphoric acid}	7664-38-2	HAP, ODC ()	No	Inventory	No

EPA Hazard Categories:

This material meets the EPA 'Hazard Categories' defined for SARA Title III Sections 311/312 as indicated:

[X] Yes [] No Acute (immediate) Health Hazard

[] Yes [X] No Chronic (delayed) Health Hazard

[] Yes [X] No Fire Hazard

SAFETY DATA SHEET
Klean Strip Phosphoric Prep & Etch

Page: 7
Printed: 05/18/2012
Revision: 05/18/2012
Supercedes Revision: 08/16/2010

Yes No Sudden Release of Pressure Hazard

Yes No Reactive Hazard

Regulatory Information Statement

All components of this material are listed on the TSCA Inventory or are exempt.

16. Other Information

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.