

**TE-KA TEAK WOOD CLEANER PART B**

This product appears in the following stock number(s):

3024C 3024U 3026C 3026U 3028C 3028U

Last revised: 09/28/05

Printed: 9/29/2005

**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION****Tradename:** TE-KA TEAK WOOD CLEANER PART B**General use:** A two component product. Carefully read MSDSs for both Part A & B.**Chemical family:** Aqueous mineral acid**MANUFACTURER**ITW Philadelphia Resins  
130 Commerce Dr.  
Montgomeryville, PA 18936**EMERGENCY INFORMATION****Emergency telephone number****(CHEMTREC): (800) 424-9300****Other Calls: (215) 855-8450****2. COMPOSITION/INFORMATION ON INGREDIENTS****HAZARDOUS CONSTITUENTS****Exposure limits**

Constituent	Abbr.	CAS No.	Weight percent	ACGIH TLV	OSHA PEL	Other Limits
Phosphoric Acid		7664382	20-30	1 mg/m <sup>3</sup>	1mg/m <sup>3</sup>	1 mg/m <sup>3</sup> (Canada)

"TLV" means the Threshold Limit Value exposure (eight-hour, time-weighted average, unless otherwise noted) established by the American Conference of Governmental Industrial Hygienists. "STEL" indicates a short-term exposure limit. "PEL" indicates the OSHA Permissible Exposure Limit. "n/e" indicates that no exposure limit has been established. An asterisk (\*) indicates a substance whose identity is a trade secret of our supplier and unknown to us.

**3. HAZARDS IDENTIFICATION****Emergency Overview**

Appearance, form, odor: Light green liquid with slight odor.

**WARNING! CONTAINS PHOSPHORIC ACID. CAUSES SEVERE EYE, SKIN AND RESPIRATORY TRACT IRRITATION. AVOID CONTACT WITH EYES, SKIN AND CLOTHING. USE IN WELL VENTILATED AREA. FIRST AID: INGESTION - RINSE MOUTH WITH WATER. GIVE A GLASS OF MILK. DO NOT INDUCE VOMITING. EYES - FLUSH WITH WATER FOR AT LEAST 15 MINUTES AND GET SEEK MEDICAL ATTENTION. SKIN - WASH THOROUGHLY WITH SOAP AND WATER. KEEP OUT OF REACH OF CHILDREN.**

**Potential health effects**

**Primary routes of exposure:**  Skin contact  Skin absorption  Eye contact  Inhalation  Ingestion

**Symptoms of acute overexposure:**

**Skin:** Corrosive. May cause skin irritation and burns. Burning sensation may not be immediate, delaying the awareness that contact has occurred.

**Eyes:** Corrosive. May cause burns and permanent eye damage.

**Inhalation:**

Respiratory irritant. Can irritate the nose, throat and mucous membranes. Symptoms include headache, nausea, vomiting, and dizziness.

**Ingestion:**

May cause burns in the mouth, throat and esophagus. Causing pains in the stomach, difficulty breathing, nausea, vomiting, diarrhea and convulsions. In severe cases collapse and death may occur.

**Effects of chronic overexposure:**

Slightly toxic with repeated inhalation or ingestion. May cause upper respiratory disease. Dermatitis may occur from prolonged or repeated skin contact.

**Carcinogenicity -- OSHA regulated:** No

**ACGIH:** No

**National Toxicology Program:** No

**International Agency for Research on Cancer:**No

**Cancer-suspect constituent(s) :** None

**Medical conditions which may be aggravated by exposure:**

Skin, eye and respiratory disorders.

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**4. FIRST AID MEASURES****First aid for eyes:**

Immediately flush with large amounts of water for at least 15 minutes. See a physician.

**First aid for skin:**

Immediately remove contaminated clothing and wash with soap and water. If irritation persists, obtain medical attention.

**First aid for inhalation:**

Remove patient to fresh air. Administer oxygen if breathing is difficult. Get medical attention.

**First aid for ingestion:**

Do NOT induce vomiting. Give patient 2-3 liters of water followed by one glass of milk. Do not give anything by mouth to an unconscious person. Prevent aspiration of vomit. Immediately consult physician.

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**5. FIRE FIGHTING MEASURES****Extinguishing media:**

Water

Carbon dioxide

Dry chemical

Foam

Alcohol foam

**Flash Point (°F):** n/a

**Method:** n/a

**Explosive limits in air (percent) -- Lower:** n/a

**Upper:** n/a

**Special firefighting procedures:**

Not combustible. Extinguish fire using agent suitable for surrounding fire.

**Unusual fire and explosion hazards:**

Evolves flammable/explosive hydrogen gas on contact with most metals.

**Hazardous products of combustion:**

Toxic fumes of phosphorous oxides during thermal decomposition. Small amounts of oxides of carbon

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**6. ACCIDENTAL RELEASE MEASURES****Spill control:**

Eliminate all ignition sources. Ventilate area. Wear appropriate protective equipment and approved respirator.

**Containment:**

Dike and contain spill with absorbent material.

**Cleanup:**

Contain spill with absorbent material. Sprinkle hydrated lime or soda ash on spill area. Scrape up and remove. Put into proper containers for disposal.

**Special procedures:**

Prevent material from contacting any water sources or sewers leading to surface water.

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**7. HANDLING AND STORAGE****Handling precautions:**

Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after using and particularly before eating, drinking, smoking, applying cosmetics, or using toilet facilities.

Laundry contaminated clothing and protective gear before reuse. Discard contaminated leather articles. Oxides of phosphorous are formed during thermal decomposition. Use caution when mixing with base.

**Storage:**

Store in a cool, dry place with adequate ventilation. Keep away from open flame and high temperatures, alkalis and most metals. Do not store in direct sunlight. Store above freezing point. Keep containers closed when not in use.

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**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Engineering controls****Ventilation :**

Local exhaust ventilation is preferred although good general mechanical ventilation is usually adequate for most industrial applications. Local exhaust is recommended for confined areas. Sufficient ventilation should be used to keep concentrations below the established TLVs.

**Other engineering controls :**

Have emergency shower and eye wash available.

**Personal protective equipment****Eye and face protection:**

Chemical safety goggles or face shield.

**Skin protection:**

Chemical resistant rubber gloves and other protective gear as required to prevent skin contact.

**Respiratory protection:**

Avoid breathing of vapor or spray mist. Use NIOSH approved organic vapor/acid/P100 cartridge mask if vapor/mist is generated.

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Specific gravity:</b>	1.5	<b>Boiling point (°F):</b>	212
<b>Melting point (°F):</b>	n/d	<b>Vapor density (air = 1):</b>	> 1
<b>Vapor pressure (mmHg):</b>	2 at 68 °F	<b>Evaporation rate (butyl acetate = 1):</b>	< 1
<b>VOC (grams/liter):</b>	0	<b>Solubility in water:</b>	Completely
<b>Percent volatile by volume:</b>	0	<b>pH (5% solution or slurry in water):</b>	1.5 - 2.0
<b>Percent solids by weight:</b>	100		

**10. STABILITY AND REACTIVITY**

This material is chemically stable. Hazardous polymerization will not occur.

**Conditions to avoid :**

Direct sunlight. Excess heat, or freezing temperatures.

**Incompatible materials:**

Alkaline mat'l (base, lye, caustic); nitromethane. Fluorides, silicides, carbides, strong oxidizing & reducing agents. Metals. Sulfides, phosphides, cyanides, acetylides, sulfites.

**Hazardous products of decomposition:**

Toxic fumes of phosphorous oxides during thermal decomposition. Small amounts of oxides of carbon

**Conditions under which hazardous polymerization may occur:**

None

**11. TOXICOLOGICAL INFORMATION**

**Acute oral effects:** LD50 (rat): Not available.

**Acute dermal effects:** LD50 (rabbit): Not available.

Not corrosive per DOT test criteria (49 CFR).

**Acute inhalation effects:** LC50 (rat): Not available.

Exposure: 0 hours.

**Eye irritation:**

Not available.

**Subchronic effects:**

Not available.

**Carcinogenicity, teratogenicity, and mutagenicity:**

Not available.

**Other chronic effects:**

Not available.

**Toxicological information on hazardous chemical constituents of this product:**

Constituent	Oral LD50 (rat)	Dermal LD50 (rabbit)	Inhalation LC50 4hr, (rat)
Phosphoric Acid	1530 mg/kg	2740 mg/kg	n/d

'n/d' = 'not determined'

**12 ECOLOGICAL INFORMATION****Ecotoxicity:**

No data available.

**Mobility and persistence:**

No data available.

**Environmental fate:**

No data available.

**13. DISPOSAL CONSIDERATIONS**

Please see also Section 15, Regulatory Information.

**Waste management recommendations:**

Dispose of in accordance with applicable federal, state, and local regulations.

**14. TRANSPORT INFORMATION**

**Proper shipping name:** Non-regulated  
**Technical name :** N/A  
**Hazard class :** N/A  
**UN number:** N/A  
**Packing group:** N/A  
**Emergency Response Guide no.:** N/A  
**IMDG page number:** N/A  
**Other:** Not corrosive per 49 CFR test criteria.

**15. REGULATORY INFORMATION****U.S. Federal Regulations****TSCA**

All ingredients of this product are listed, or are exempt from listing, on the TSCA inventory.

**The following RCRA code(s) applies to this material if it becomes waste:**

D002

**Regulatory status of hazardous chemical constituents of this product:**

Constituent	Extremely Hazardous*	Toxic Chemical**	CERCLA RQ (lbs)	TSCA 12B Export Notification
Phosphoric Acid	No	No	5000.0	Not required

\*Consult the appropriate regulations for emergency planning and release reporting requirements for substances on the SARA Section 301 Extremely Hazardous Substance list.

\*\*Substances for which the "Toxic Chemical" column is marked "Yes" are on the SARA Section 313 list of Toxic Chemicals, for which release reporting may be required. For specific requirements, consult the appropriate regulations.

**For purposes of SARA Section 312 hazardous materials inventory reporting, the following hazard classes apply to this material:** - Immediate health hazard -- Delayed health hazard -

**Canadian regulations****WHMIS hazard class(es) :** D2B

**16. OTHER INFORMATION**

**Hazardous Materials  
Identification System (HMIS)  
ratings:**

**Health****2\*****Flammability****0****Reactivity****0**

The information and recommendations in this document are based on the best information available to us at the time of preparation, but we make no other warranty, express or implied, as to its correctness or completeness, or as to the results of reliance on this document.

**TE-KA TEAK CLEANER PART A**

This product appears in the following stock number(s):

3024C 3024U 3026C 3026U 3028C 3028U

Last revised: 09/27/05

Printed: 9/29/2005

**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION****Tradename:** TE-KA TEAK CLEANER PART A**General use:** A two component product. Carefully read MSDSs for both Part A & B.**Chemical family:** Aqueous Caustic Solution**MANUFACTURER**ITW Philadelphia Resins  
130 Commerce Dr.  
Montgomeryville, PA 18936**EMERGENCY INFORMATION****Emergency telephone number****(CHEMTREC): (800) 424-9300****Other Calls: (215) 855-8450****2. COMPOSITION/INFORMATION ON INGREDIENTS****HAZARDOUS CONSTITUENTS****Exposure limits**

Constituent	Abbr.	CAS No.	Weight percent	ACGIH TLV	OSHA PEL	Other Limits
Sodium Hydroxide		1310732	5-10		2mg/m <sup>3</sup>	n/e

"TLV" means the Threshold Limit Value exposure (eight-hour, time-weighted average, unless otherwise noted) established by the American Conference of Governmental Industrial Hygienists. "STEL" indicates a short-term exposure limit. "PEL" indicates the OSHA Permissible Exposure Limit. "n/e" indicates that no exposure limit has been established. An asterisk (\*) indicates a substance whose identity is a trade secret of our supplier and unknown to us.

**3. HAZARDS IDENTIFICATION****Emergency Overview**

Appearance, form, odor: Clear liquid with mild odor.

**DANGER! EXTREMELY CORROSIVE. CONTAINS SODIUM HYDROXIDE. CAUSES SEVERE EYE AND SKIN BURNS. RESPIRATORY TRACT IRRITANT. AVOID CONTACT WITH EYES, SKIN AND CLOTHING. DO NOT TAKE INTERNALLY. FIRST AID: INGESTION - RINSE MOUTH WITH WATER. GIVE A GLASS OF MILK. DO NOT INDUCE VOMITING. EYES - FLUSH WITH WATER FOR AT LEAST 15 MINUTES AND GET SEEK MEDICAL ATTENTION. SKIN - WASH THOROUGHLY WITH SOAP AND WATER. KEEP OUT OF REACH OF CHILDREN.**

**Potential health effects**

**Primary routes of exposure:**  Skin contact  Skin absorption  Eye contact  Inhalation  Ingestion

**Symptoms of acute overexposure:**

**Skin:** Corrosive action causes burns and frequently deep ulceration with subsequent scarring. Prolonged contact destroys tissue. Can cause irritant dermatitis.

**Eyes:** Causes severe burns; small quantities can result in permanent damage and/or loss of vision.

**Inhalation:**

Inhalation of mists can cause damage to the upper respiratory tract and to lung tissue depending upon the severity of exposure. Effects can range from mild irritation of mucous membranes to severe pneumonitis and destruction of lung tissue.

**Ingestion:**

Can cause serious damage to the mucous membranes or other tissues with which contact is made, and may be fatal.

**Effects of chronic overexposure:**

The effect of long-term, low-level exposures to this product have not been determined. Safe handling of this material on a long-term basis should emphasize the avoidance of all effects from repetitive acute exposures.

**Carcinogenicity -- OSHA regulated: No****ACGIH: No****National Toxicology Program: No****International Agency for Research on Cancer: No****Cancer-suspect constituent(s) : None****Medical conditions which may be aggravated by exposure:**

None known

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**4. FIRST AID MEASURES****First aid for eyes:**

Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open. Rinse continuously with water while on way to get medical attention.

**First aid for skin:**

Remove contaminated clothing and contaminant. Wash with soap and water. Continue washing with water until slick skin feeling is gone. Get immediate medical attention.

**First aid for inhalation:**

Remove victim to fresh air and provide oxygen if breathing is difficult. Give artificial respiration if not breathing. Get immediate medical attention.

**First aid for ingestion:**

Do NOT induce vomiting. If conscious drink large quantities of water or acidic beverage (tomato juice, orange juice, carbonated soft drinks). Do not give anything by mouth to an unconscious person. Prevent aspiration of vomit. If vomiting occurs give additional water. Get immediate medical attention.

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**5. FIRE FIGHTING MEASURES****Extinguishing media:** Water Carbon dioxide Dry chemical Foam Alcohol foam**Flash Point (°F):** None**Method:****Explosive limits in air (percent) -- Lower:** N/A**Upper:** N/A**Special firefighting procedures:**

Use appropriate extinguishing media for surrounding fire.

**Unusual fire and explosion hazards:**

Contact with some metals, particularly magnesium, aluminum and galvanized zinc can rapidly generate hydrogen (explosive).

**Hazardous products of combustion:**

**6. ACCIDENTAL RELEASE MEASURES****Spill control:**

Avoid personal contact. Eliminate ignition sources. Ventilate area. Wear protective equipment.

**Containment:**

Use absorbent material

**Cleanup:**

Neutralize with dilute acid. Absorb material on an inert absorbent material and place in a properly labeled container for disposal.

**Special procedures:**

Do not allow this material to be released to sewers or waterways.

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**7. HANDLING AND STORAGE****Handling precautions:**

Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after using and particularly before eating, drinking, smoking, applying cosmetics, or using toilet facilities. Avoid breathing vapors and mists. Launder contaminated clothing and protective gear before reuse. Discard contaminated leather articles. Use caution when mixing with acids. Do not add to warm or hot water. Hazardous carbon monoxide can form upon contact with food and beverage products in enclosed vessels and can cause death.

**Storage:**

Store in a cool, dry place with adequate ventilation. Keep away from open flame and high temperatures. Do not store in direct sunlight. Store above freezing point. Keep containers closed when not in use.

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**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Engineering controls****Ventilation :**

General exhaust should be sufficient under most uses. Local exhaust when dusts or mists are generated. Sufficient ventilation should be used to keep concentrations below the established TLVs.

**Other engineering controls :**

Have emergency showers and eye wash available.

**Personal protective equipment****Eye and face protection:**

Chemical goggles or face shield.

**Skin protection:**

Nitrile, neoprene, or natural rubber gloves and other protective gear as required to prevent skin contact.

**Respiratory protection:**

None required for normal use. If mists are generated use a NIOSH approved filter respirator (P100).

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Specific gravity:</b>	2.1	<b>Boiling point (°F):</b>	212
<b>Melting point (°F):</b>	n/d	<b>Vapor density (air = 1):</b>	>1
<b>Vapor pressure (mmHg):</b>	n/d at 0 °F	<b>Evaporation rate (butyl acetate = 1):</b>	slower than ether
<b>VOC (grams/liter):</b>	n/d	<b>Solubility in water:</b>	complete
<b>Percent volatile by volume:</b>	90	<b>pH (5% solution or slurry in water):</b>	> 12
<b>Percent solids by weight:</b>	10		

## 10. STABILITY AND REACTIVITY

This material is chemically stable. Hazardous polymerization will not occur.

### Conditions to avoid :

Reaction with various food sugars may form carbon monoxide.

### Incompatible materials:

Organic mat'ls & acids may cause violent reactions. Contact with magnesium, aluminum, zinc (galvanized), tin, chromium, brass & bronze generates hydrogen gas. Water. Carbon dioxide

### Hazardous products of decomposition:

When heated to decomposition it emits toxic fumes of Na<sub>2</sub>O.

### Conditions under which hazardous polymerization may occur:

none

## 11. TOXICOLOGICAL INFORMATION

**Acute oral effects:** LD50 (rat): Not available.

**Acute dermal effects:** LD50 (rabbit): Not available.

**Acute inhalation effects:** LC50 (rat): Not available.

Exposure: hours.

### Eye irritation:

Not available.

### Subchronic effects:

Not available.

### Carcinogenicity, teratogenicity, and mutagenicity:

Not available.

### Other chronic effects:

Not available.

**Toxicological information on hazardous chemical constituents of this product:**

Constituent	Oral LD50 (rat)	Dermal LD50 (rabbit)	Inhalation LC50 4hr, (rat)
Sodium Hydroxide	500 mg/kg	n/d	n/d

'n/d' = 'not determined'

**12 ECOLOGICAL INFORMATION****Ecotoxicity:**

Not available.

**Mobility and persistence:**

Not available.

**Environmental fate:**

Not available.

**13. DISPOSAL CONSIDERATIONS**

Please see also Section 15, Regulatory Information.

**Waste management recommendations:**

Dispose of in accordance with all federal, state and local regulations.

**14. TRANSPORT INFORMATION****Proper shipping name:** Sodium hydroxide solution**Technical name :** N/A**Hazard class :** 8**UN number:** 1824**Packing group:** II**Emergency Response Guide no.:** 154**IMDG page number:** N/A**Other:****15. REGULATORY INFORMATION****U.S. Federal Regulations****TSCA**

All ingredients of this product are listed, or are exempt from listing, on the TSCA inventory.

**The following RCRA code(s) applies to this material if it becomes waste:**

D002

**Regulatory status of hazardous chemical constituents of this product:**

Constituent	Extremely Hazardous*	Toxic Chemical**	CERCLA RQ (lbs)	TSCA 12B Export Notification
Sodium Hydroxide	No	No	1000.0	Not required

\*Consult the appropriate regulations for emergency planning and release reporting requirements for substances on the SARA Section 301 Extremely Hazardous Substance list.

\*\*Substances for which the "Toxic Chemical" column is marked "Yes" are on the SARA Section 313 list of Toxic Chemicals, for which release reporting may be required. For specific requirements, consult the appropriate regulations.

**For purposes of SARA Section 312 hazardous materials inventory reporting, the following hazard classes apply to this material:** - Immediate health hazard -- Reactivity hazard -

**Canadian regulations**

**WHMIS hazard class(es):** E

All components of this product are on the Domestic Substances List.

**16. OTHER INFORMATION**

<b>Hazardous Materials Identification System (HMIS) ratings:</b>	<b>Health</b>	<b>Flammability</b>	<b>Reactivity</b>
	<b>3</b>	<b>0</b>	<b>1</b>

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