

# SAFETY DATA SHEET

## Klean Strip TSP Substitute

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Printed: 04/22/2015

Revision: 04/21/2015

Supersedes Revision: 02/11/2013

### 1. PRODUCT AND COMPANY IDENTIFICATION

<b>Product Name:</b>	Klean Strip TSP Substitute	
<b>Company Name:</b>	W. M. Barr 2105 Channel Avenue Memphis, TN 38113	<b>Phone Number:</b> (901)775-0100
<b>Web site address:</b>	www.wmbarr.com	
<b>Emergency Contact:</b>	3E 24 Hour Emergency Contact	(800)451-8346
<b>Information:</b>	W.M. Barr Customer Service	(800)398-3892
<b>Intended Use:</b>	Cleaning and Surface Preparation	
<b>Synonyms:</b>	QKTP94348, QKTP06	
<b>Additional Information</b>	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.	

### 2. HAZARDS IDENTIFICATION

**Skin Corrosion/Irritation, Category 1A-1C****Serious Eye Damage/Eye Irritation, Category 1**

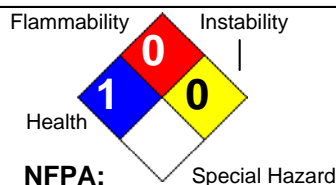
<b>GHS Signal Word:</b>	<b>Danger</b>
<b>GHS Hazard Phrases:</b>	H314: Causes severe skin burns and eye damage. H318: Causes serious eye damage.
<b>GHS Precaution Phrases:</b>	P260: Do not breathe {dust/fume/gas/mist/vapors/spray}. P264: Wash {hands} thoroughly after handling. P280: Wear {protective gloves/protective clothing/eye protection/face protection}.
<b>GHS Response Phrases:</b>	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.
<b>GHS Storage and Disposal Phrases:</b>	P405: Store locked up. P501: Dispose of contents/container to {...}.

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**Hazard Rating System:**

HEALTH	-	1
FLAMMABILITY	0	0
PHYSICAL	0	0
PPE	X	



**HMIS:**

**OSHA Regulatory Status:**

This material is classified as hazardous under OSHA regulations.

**Potential Health Effects (Acute and Chronic):**

**INHALATION ACUTE EXPOSURE EFFECTS:**

May cause dizziness; headache; irritation of the upper respiratory tract; nausea and vomiting.

**SKIN CONTACT ACUTE EXPOSURE EFFECTS:**

May cause irritation, itching, redness; swelling; inflammation; discomfort or pain. May cause more severe effects on covered skin.

**EYE CONTACT ACUTE EXPOSURE EFFECTS:**

This material is an eye irritant. May cause irritation; redness and swelling of the conjunctiva; excess blinking and tear production.

**INGESTION ACUTE EXPOSURE EFFECTS:**

Slightly toxic if ingested.

**CHRONIC EXPOSURE EFFECTS:**

Effects on animals have been reported to include the blood (hemolysis) and secondary effects on the kidney and liver. May cause skin and eye irritation.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration	RTECS #
112-34-5	Diethylene glycol monobutyl ether {2-(2-Butoxyethoxy)ethanol {(a glycol ether)}	< 5.0 %	KJ9100000

**Additional Chemical Information**

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

### 4. FIRST AID MEASURES

**Emergency and First Aid Procedures:**

**Skin:**

Remove contaminated clothing. Immediately wash skin thoroughly with large amounts of water and mild soap, if available. Seek medical attention if irritation develops or persists.

**Eyes:**

Immediately begin to flush eyes with water, remove any contact lens. 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.

**Ingestion:**

If swallowed, do NOT induce vomiting. Seek immediate medical attention. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

**Signs and Symptoms Of**

See Potential Health Effects.

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Exposure:

### 5. FIRE FIGHTING MEASURES

<b>Flash Pt:</b>	No data.	
<b>Explosive Limits:</b>	LEL: No data.	UEL: No data.
<b>Autoignition Pt:</b>	No data.	
<b>Suitable Extinguishing Media:</b>	Carbon dioxide, dry powder, or foam.	
<b>Unsuitable Extinguishing Media:</b>	None known.	
<b>Fire Fighting Instructions:</b>	Use NIOSH/MSHA approved positive pressure self-contained breathing apparatus when any material is involved in a fire.	
<b>Flammable Properties and Hazards:</b>	Flashpoint: No flash to boiling. Will not burn.	

### 6. ACCIDENTAL RELEASE MEASURES

<b>Steps To Be Taken In Case Material Is Released Or Spilled:</b>	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. A vapor suppressing foam may be used to reduce vapors. Absorb or cover with dry earth, sand, or other non-combustible material and transfer to compatible containers. For large spills, dike ahead of the spill.
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### 7. HANDLING AND STORAGE

<b>Precautions To Be Taken in Handling:</b>	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 regulations. Do not reuse this container.
<b>Precautions To Be Taken in Storing:</b>	Keep container tightly closed when not in use. Store in a cool, dry place. Do not store near flames or at elevated temperatures.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
112-34-5	Diethylene glycol monobutyl ether {2-(2-Butoxyethoxy)ethanol {(a glycol ether)}	No data.	No data.	No data.

**Respiratory Equipment (Specify Type):** A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

If the work area is not properly ventilated to keep airborne levels below their exposure limits, you must use a properly fitted and maintained NIOSH approved respirator for organic vapors. A dust mask does not provide protection against vapors.

**Eye Protection:** Safety glasses, chemical goggles, or face shields are recommended to safeguard against potential eye contact, irritation, or injury. Contact lenses should not be worn while working with chemicals.

**Protective Gloves:** Nitrile, neoprene, natural rubber

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

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<b>Engineering Controls (Ventilation etc.):</b>	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.
<b>Work/Hygienic/Maintenance Practices:</b>	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.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical States:</b>	[ ] Gas [ X ] Liquid [ ] Solid
<b>Appearance and Odor:</b>	Appearance: Green, Free and Clear
<b>Melting Point:</b>	~ 32.00 F
<b>Boiling Point:</b>	~ 212.00 F
<b>Autoignition Pt:</b>	No data.
<b>Flash Pt:</b>	No data.
<b>Explosive Limits:</b>	LEL: No data. UEL: No data.
<b>Specific Gravity (Water = 1):</b>	.9902 - 1.0202
<b>Density:</b>	8.259 - 8.508 LB/GL
<b>Vapor Pressure (vs. Air or mm Hg):</b>	17.9 MM HG at 68.0 F
<b>Vapor Density (vs. Air = 1):</b>	< air
<b>Evaporation Rate:</b>	> 1 (BuAC=1)
<b>Solubility in Water:</b>	Complete
<b>Viscosity:</b>	5 CPS
<b>pH:</b>	12.2 - 13.0
<b>Percent Volatile:</b>	97.07 % by weight.
<b>VOC / Volume:</b>	< 0.5000 % WT

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Unstable [ ] Stable [ X ]
<b>Conditions To Avoid - Instability:</b>	No data available.
<b>Incompatibility - Materials To Avoid:</b>	Strong oxidizers and acids.
<b>Hazardous Decomposition Or Byproducts:</b>	Carbon dioxide and carbon monoxide
<b>Possibility of Hazardous Reactions:</b>	Will occur [ ] Will not occur [ X ]
<b>Conditions To Avoid - Hazardous Reactions:</b>	No data available.

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### 11. TOXICOLOGICAL INFORMATION

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

CAS# 112-34-5:

**Chronic Toxicological Effects:**

Standard Draize Test, Eyes, Species: Rabbit, 20.00 MG, Severe.

Result:

Behavioral: Anticonvulsant.

- American Journal of Ophthalmology., Ophthalmic Pub. Co., 435 N. Michigan Ave., Suite 1415, Chicago, IL 60611, Vol/p/yr: 29,1363, 1946

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
112-34-5	Diethylene glycol monobutyl ether {2-(2-Butoxyethoxy)ethanol {(a glycol ether)}	n.a.	n.a.	n.a.	n.a.

### 12. ECOLOGICAL INFORMATION

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

### 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Method:** Dispose of in accordance with local, state, and federal laws.

### 14. TRANSPORT INFORMATION

**LAND TRANSPORT (US DOT):**

**DOT Proper Shipping Name:** Compound Cleaning Liquid

**DOT Hazard Class:**

**UN/NA Number:**

**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)
112-34-5	Diethylene glycol monobutyl ether {2-(2-Butoxyethoxy)ethanol {(a glycol ether)}	No	No	Yes-Cat. N230

**This material meets the EPA**  Yes  No Acute (immediate) Health Hazard

**'Hazard Categories' defined**  Yes  No Chronic (delayed) Health Hazard

**for SARA Title III Sections**  Yes  No Fire Hazard

**311/312 as indicated:**  Yes  No Sudden Release of Pressure Hazard

Yes  No Reactive Hazard

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
112-34-5	Diethylene glycol monobutyl ether {2-(2-Butoxyethoxy)ethanol {(a glycol ether)}	CAA HAP,ODC: HAP; CWA NPDES: No; TSCA: Yes - Inventory, 4 Test; CA PROP.65: No

## 16. OTHER INFORMATION

**Revision Date:** 04/21/2015

**Preparer Name:** W.M. Barr EHS Dept (901)775-0100

**Additional Information About** No data available.

**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.