

SAFETY DATA SHEET

Klean Strip Wood Bleach Part A

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Printed: 01/06/2015

Revision: 12/23/2014

Supersedes Revision: 08/10/2010

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Klean Strip Wood Bleach Part A
Company Name: W. M. Barr
2105 Channel Avenue
Memphis, TN 38113
Phone Number: (901)775-0100

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: To be used in conjunction with Wood Bleach Part B to lighten stripped or unfinished wood.

Synonyms: G408, GWB19

2. HAZARDS IDENTIFICATION

Skin Corrosion/Irritation, Category 2
Serious Eye Damage/Eye Irritation, Category 2A
Toxic To Reproduction, Category 2
Target Organ Systemic Toxicity (single exposure), Category 1
Target Organ Systemic Toxicity (repeated exposure), Category 1



GHS Signal Word: **Danger**

GHS Hazard Phrases: H315: Causes skin irritation.
H319: Causes serious eye irritation.
H361: Suspected of damaging fertility or the unborn child.
H370: Causes damage to organs.
H372: Causes damage to organs through prolonged or repeated exposure.

GHS Precaution Phrases: P264: Wash hands thoroughly after handling.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P362+364: Take off contaminated clothing and wash it before reuse.
P201: Obtain special instructions before use.
P202: Do not handle until all safety precautions have been read and understood.
P281: Use personal protective equipment as required.
P260: Do not breathe gas/mist/vapours/spray.
P270: Do not eat, drink or smoke when using this product.

GHS Response Phrases: P302+352: IF ON SKIN: Wash with plenty of soap and water.
P321: Specific treatment see label.
P332+313: If skin irritation occurs, get medical advice/attention.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+313: If eye irritation persists, get medical advice/attention.
P308+313: IF exposed or concerned: Get medical attention/advice.
P314: Get medical attention/advice if you feel unwell.

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

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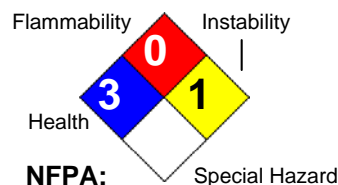
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Hazard Rating System:

HEALTH	*	3
FLAMMABILITY		0
PHYSICAL		1
PPE		X

**HMIS:****OSHA Regulatory Status:**

This material is classified as hazardous under OSHA regulations.

Potential Health Effects (Acute and Chronic):

INHALATION EXPOSURE EFFECTS: May cause irritation of respiratory tract, possibly severe. Can cause severe irritation to the nose and throat and inflammation of the lungs.

SKIN CONTACT EXPOSURE EFFECTS: Causes severe burns. May cause irritation and dermatitis.

EYE CONTACT EXPOSURE EFFECTS: Causes eye damage and severe burns. Has the potential to cause blindness.

INGESTION EXPOSURE EFFECTS: Harmful or fatal if swallowed. May cause nausea; vomiting; irritation and burns of mouth and throat.

ROUTE OF ENTRY: Inhalation, skin, and ingestion

TARGET ORGANS: Respiratory tract, lungs, stomach, eyes

Medical Conditions Generally Aggravated By Exposure: Respiratory System (asthma and other breathing disorders)

3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration
1310-73-2	Sodium hydroxide {Caustic soda; Lye solution}	4.0 %
1303-96-4	Borax {Sodium tetraborate decahydrate; Sodium borate)	2.0 %

4. FIRST AID MEASURES

Emergency and First Aid Procedures:

INHALATION: If user experiences breathing difficulty, move to air free of vapors. Administer oxygen or artificial respiration until medical assistance can be rendered.

SKIN CONTACT: Wash with soap and large quantities of water and seek medical attention if irritation from contact persists.

EYE CONTACT: Flush with large quantities of water for at least 15 minutes and seek immediate medical attention.

INGESTION: Do not induce vomiting. Drink large quantities of water. Never give anything by mouth to an unconscious person. Call your poison control center, hospital emergency room, or physician immediately for instructions.

Signs and Symptoms Of Exposure:

See Potential Health Effects.

Note to Physician:

The absence of visible signs or symptoms of burns does not reliably exclude the presence of actual tissue damage. Probable mucosal damage may contraindicate the use of gastric lavage.

5. FIRE FIGHTING MEASURES

	Non-Flammable
Flash Pt:	No data.
Explosive Limits:	LEL: No data. UEL: No data.
Autoignition Pt:	No data.
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. Stay away from heads of containers that have been exposed to intense heat or flame.
Flammable Properties and Hazards:	No data available.

6. ACCIDENTAL RELEASE MEASURES

Steps To Be Taken In Case Material Is Released Or Spilled:	Keep unnecessary people away; isolate hazard area and deny entry. Stay upwind, out of low areas, and ventilate closed spaces before entering. Small Spills: take up liquid with sand, earth or other noncombustible absorbent material and place in a plastic container where applicable. Large Spills: dike far ahead of spill for later disposal. Wear appropriate personal protective equipment for the conditions of the spill.
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7. HANDLING AND STORAGE

Precautions To Be Taken in Handling:	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. Avoid breathing vapors or mist. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling.
Precautions To Be Taken in Storing:	Never return this solution to the original container. Close container after each use. Avoid storage at extreme high or low temperatures. Protect from freezing.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
1310-73-2	Sodium hydroxide {Caustic soda; Lye solution}	PEL: 2 mg/m3	CEIL: 2 mg/m3	No data.
1303-96-4	Borax {Sodium tetraborate decahydrate; Sodium borate}	No data.	TLV: 5 mg/m3	No data.

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Respiratory Equipment (Specify Type):	For OSHA controlled workplace and other regular users - Use only with adequate ventilation under engineered air controlled systems designed to prevent exceeding appropriate TLV. For occasional use, where engineered air control is not feasible, use properly maintained and properly fitted NIOSH approved respirators. A dust mask does not provide protection against vapors.
Eye Protection:	Chemical splash goggles or a face shield is recommended 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 rubber, neoprene, natural rubber, butyl rubber, and polyvinyl chloride may 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 use of additional protective safety equipment, such as impermeable aprons, etc., to minimize exposure. Discard any clothing or other protective equipment that cannot be decontaminated, such as gloves or shoes.
Engineering Controls (Ventilation etc.):	<p>Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.</p> <p>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.</p>
Work/Hygienic/Maintenance Practices:	<p>Wash hands thoroughly after use and before eating, drinking, or smoking.</p> <p>Do not eat, drink, or smoke in the work area.</p> <p>Discard any clothing or other protective equipment that cannot be decontaminated.</p> <p>Facilities storing or handling this material should be equipped with an emergency eyewash and safety shower.</p>

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical States:	<input type="checkbox"/> Gas	<input checked="" type="checkbox"/> Liquid	<input type="checkbox"/> Solid
Appearance and Odor:	Free and clear to slightly hazy.		
Melting Point:	No data.		
Boiling Point:	212.00 F - 293.00 F		
Autoignition Pt:	No data.		
Flash Pt:	No data.		
Explosive Limits:	LEL: No data.	UEL: No data.	
Specific Gravity (Water = 1):	1.075		
Density:	8.963 LB/GA at 75.0 F		

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Vapor Pressure (vs. Air or mm Hg): 0 MM HG at 20.0 C
Vapor Density (vs. Air = 1): > 1.0
Evaporation Rate: < 1
Solubility in Water: Complete
pH: > 13
Percent Volatile: 91.9 % by weight.
VOC / Volume: <= 0.0000 G/L

10. STABILITY AND REACTIVITY

Stability: Unstable [] Stable [X]
Conditions To Avoid - Instability: No data available.
Incompatibility - Materials To Avoid: Incompatible with acids, halogenated compounds, aluminum, brass, bronze, copper, lead, tin, and zinc.
Hazardous Decomposition Or Byproducts: Contact with certain metals may produce hydrogen gas.
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.

CAS# 1310-73-2:

Standard Draize Test, Skin, Species: Rabbit, 500.0 MG, 24 H, Severe.

Result:

Blood: Change in clotting factors.

Musculoskeletal: Other changes.

- "Sbornik Vysledku Toxikologickeho Vysetreni Latek A Pripravku," , Institut Pro Vychovu Vedoucicn P, Marhold, J.V., Institut Pro Vychovu Vedoucicn, Pracovniku Chemickeho, Prumyclu Praha Czechoslovakia, Vol/p/yr: -,7, 1972

Standard Draize Test, Eyes, Species: Rabbit, 1.000 %, Severe.

Result:

Blood: Other hemolysis with or without anemia.

Blood: Other changes.

Biochemical: Metabolism (Intermediary): Other proteins.

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

CAS# 1303-96-4:

Reproductive Effects:, TDLo, Oral, Rat, 70.00 GM/KG, female 90 day(s) pre-mating.

Result:

Maternal Effects: Ovaries, fallopian tubes.

- Toxicology and Applied Pharmacology, Academic Press, Inc., 1 E. First St., Duluth, MN 55802, Vol/p/yr: 23,351, 1972

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CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
1310-73-2	Sodium hydroxide {Caustic soda; Lye solution}	n.a.	n.a.	n.a.	n.a.
1303-96-4	Borax {Sodium tetraborate decahydrate; Sodium borate}	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 in accordance with applicable local, state and federal regulations.

14. TRANSPORT INFORMATION

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Sodium hydroxide solution

DOT Hazard Class: 8 CORROSIVE

UN/NA Number: UN1824

Packing Group: II



15. REGULATORY INFORMATION

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

<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Acute (immediate) Health Hazard
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Chronic (delayed) Health Hazard
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Fire Hazard
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Sudden Release of Pressure Hazard
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Reactive Hazard

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
1310-73-2	Sodium hydroxide {Caustic soda; Lye solution}	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No
1303-96-4	Borax {Sodium tetraborate decahydrate; Sodium borate}	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No

16. OTHER INFORMATION

Revision Date: 12/23/2014

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

Additional Information About This Product: 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.

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