

Material Safety Data Sheet **KLEEN ALL BOIL OUT SOLUTION** Page 1 of 5

Section I - Product and Company Identification

Product Name:	KLEEN ALL BOIL OUT SOLUTION		MSDS#: KID060204-KAB	
Chemical Name:	N/A	MSDS Approval Date:	06/02/2004	MSDS Prepared by: BSQ
Family:	Made of specialty cleaning and wax dispersing agents		Manufacturer: KEYSTONE INDUSTRIES 616 Hollywood Ave. Cherry Hill, NJ 08002	
Product Use:	Boil Out Solution		Emergency Phone Numbers: (800) 535 - 5053	
Product#:	1014102, 1014103		Information Contacts: (856)-663-4700	

Section II - Composition/Information on Ingredients

Chemical Identity	CAS Numbers	EINECS#	INCI Name	Exposure OSHA TWA/STEL	Limits ACGIH TWA/STEL	Carcinogen IARC/NTP/OSHA	%
No hazardous components							
N/E - None Established	N/DA - No Data Available						
N/R - Not Reviewed	N/A - Not Available						

Hazard Symbols: n/da
Risk Phrases: n/da
Safety Phrases: S24/25

Section III - Hazards Identification

EMERGENCY OVERVIEW

This information is based on findings from related or similar materials.

- This product is basically non-hazardous.
- May cause slight irritation to eyes or nasal/respiratory passages upon exposure.
- May cause gastrointestinal irritation if ingested.

Potential Health Effects, Signs and Symptoms of Exposure:

Primary Route of Entry: Inhalation and skin

Eye: Direct contact may cause a stinging sensation.
Skin: Prolonged contact can cause drying, chapping.
Ingestion: Considered non-toxic. (LD50 greater than 20,000 mg/kg). Can cause nausea, diarrhea, and abdominal cramps.
Inhalation: May cause mild irritation to eyes and respiratory tract.
Sub-Chronic Effects: N/A

NOTE: Refer to Section 11, Toxicological Information for Details

Section IV - First Aid Measures

First Aid for Eye: If symptoms develop move individual away from exposure and into fresh air. Flush eyes for 15 min. with clean water while holding eyelids apart. If symptoms persist, seek medical attention.

First Aid for Skin: First aid is not normally required, however, it is good practice for exposed areas to be washed with soap and water.

First Aid for Inhalation: Remove individual to fresh air.

First Aid for Ingestion: Do not induce vomiting. Keep person warm, quiet and get medical attention. Aspiration of material into the lungs due to vomiting can cause chemical pneumonitis, which can be fatal.

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Section V - Fire Fighting Measures

Flash Point (°F/°C)	Flammable Limit (vol%)	Auto-ignition Temperature (vol%)
>212°F/100°C Setaflash	No Data	No Data

Method:

Extinguishing Media:	NONE
Fire Fighting Instructions:	NONE
Unusual Hazards:	None. Containers may rupture from exposure to extreme heat and spilled liquid will be slippery on the floor.

Section VI - Accidental Release Measures

Spill or Release Procedures	<p>Small spills: Absorb liquid with vermiculite or other spill absorbent material.</p> <p>Large spills: Persons not wearing protective equipment should be evacuated from area of spill until clean-up has been completed. Stop spill at source, dike area of spill to prevent spreading, pump liquid to salvage tank, remaining liquid may be absorbed by sand, clay, earth, floor absorbent, or other absorbent material and shoveled into containers.</p> <p>Prevent run off to sewers, streams or other bodies of water. If run-off occurs, notify proper authorities as required.</p>
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Section VII - Handling and Storage

Handling	<p>Observe precautions found on the label. Wash face and hands thoroughly with soap and water if handling excess amounts of product and before eating, drinking or smoking.</p> <p>Follow general good industry standards.</p>
Storage	<p>For laboratory or office use only. Keep out of the reach of children.</p> <p>Store in a cool, well-ventilated area. Keep containers closed when not in use. Avoid heat and direct sunlight.</p>
Explosion Hazard	N/A

Section VIII - Exposure Controls / Personal Protective Equipment

Engineering Controls	Provide sufficient ventilation to maintain exposure below 5 mg/m ³ .
Personal Protective Equipment	
General	Wash hands and face after using. Good Industrial Hygiene should be followed.
Eye/ Face Protection	Chemical splash goggles in compliance with OSHA regulation are advised.
Skin Protection	Wear resistant gloves such as Neoprene.
Respiratory Protection	If work place exposure limits of product exceeds recommendation, use NIOSH approved respirators.

Section IX - Physical and Chemical Properties

Appearance	Odor & Odor Threshold	pH	Specific Gravity	Viscosity	% Volatile
Clear, slightly viscous, pale yellow liquid	Slight odor	Neutral	(H ₂ O=1) : 1.1	N/DA	N/DA

Boiling Point/ Freezing Point	Decomposition Temperature	Octanol/Water Partitioning Coefficient Log Po/w	Vapor Pressure:	Vapor Density	Evaporation Rate	Ignition	Solubility In Water (20°C)

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215°F	N/DA	N/DA	(mm Hg)@ 20°C: N/A	(Air=1): N/A	(Ether=1): <1	N/DA	Complete
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Flash Point (°F/°C)	Flammable Limit (vol%)	Auto-ignition Temperature (vol%)
>212°F/100°C Setaflash	No Data	No Data

Section X - Stability and Reactivity

Stability Normally Stable	Incompatibility (Materials to Avoid): Strong oxidizing agents
Hazardous Decomposition Products: NONE	Hazardous Polymerization: Will not occur
Conditions to Avoid: NONE	

Section XI - Toxicological Information

Acute Oral Toxicity N/DA	Acute Dermal Toxicity N/DA	Acute Inhalation Toxicity N/DA	Irritation - skin N/DA	Irritation - Eye N/DA
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Sensitization N/DA	Mutagenicity N/DA	Sub-chronic Toxicity N/DA
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Section XII - Ecological Information

Ecotoxicological Information

Acute Toxicity to Fish N/DA	Acute Toxicity to Invertebrates N/DA	Acute Toxicity to Algae N/DA	Bioconcentration N/DA	Toxicity to Sewage Bacteria N/DA
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Chemical Fate Information

Biodegradability	N/DA
Chemical Oxygen Demand	N/DA

Section XIII - Disposable Considerations

Non-contaminated, properly inhibited product is not a RCRA hazardous waste. It is the generators responsibility to determine what isclassified as a hazardous waste. Comply with all federal, state, and local regulations.
Material may be incinerated or use biological treatment in accordance with federal, state, and local regulations.

Section XIV - Transport Information

DOT (49 CFR 172)	
Proper Shipping Name:	Non-Regulated Material
Identification Number:	N/A
Marine Pollutant:	No
Special Provisions:	None
Emergency Response Guidebook (ERG) #:	N/A
IATA (DGR):	
Proper Shipping Name:	Non-Regulated Material
Class or Division:	N/A
UN or ID Number:	N/A
Packaging Instructions:	None
Emergency Response Guidance (ICAO)#:	N/A
IMO (IMDG):	
Proper Shipping Name:	Non-Regulated Material
Class or Division:	N/A
UN or ID Number:	N/A

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Special Provisions & Stowage/Segregation:	None
Emergency Schedule (EmS)#:	N/A
Other Information:	Flash point >149°C

Section XV - Regulatory Information

US Federal Regulations

Clean Air Act: HAP/ODS	This product contains the following hazardous air pollutants (HAP's), as defined by the U. S. Clean Air Act: <ul style="list-style-type: none"> NONE This product does not contain any Class1 or Class 2 ODS.
Clean Water Act: Priority Pollutant/Hazardous Substance	The following ingredients are listed as hazardous pollutants under the CWA: <ul style="list-style-type: none"> NONE None of the ingredients are listed as primary pollutants nor are they listed as toxic pollutants.
FDA: Food Packaging Status	This product has not been cleared by the FDA for use in food packaging and / or other applications as an indirect food additive.
Occupational Safety and Health Act	This product is not considered to be a hazardous chemical under the OSHA Hazard Communication Standard.
RCRA	This product is not considered to be a hazardous waste under RCRA (40 CFR 261).
SARA Title III: Section 302	This product contains the following chemicals which are regulated under Section 302 as extremely hazardous substances: <ul style="list-style-type: none"> NONE
SARA Title III: Section 304	This product contains chemicals regulated under Section 304 as extremely hazardous chemicals for emergency release notification ("CERCLA" List): <ul style="list-style-type: none"> NONE
SARA Title III: Section 311-312:	This product is not considered hazardous under the OSHA Hazard Communication Standard and is regulated under Section 311-312 (40 CFR 370).
SARA Title III: Section 313:	This product contains no chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.
TSCA Section 8(b): Inventory:	This product contains chemicals listed on the TSCA inventory or otherwise complies with TSCA premanufacture notification requirements.

State Regulations

CA Right-to-Know Law:	NONE
MA Right-to-Know Law:	NONE
NJ Right-to-Know Law:	NONE
PA Right-to-Know Law:	NONE
FL Right-to-Know Law:	NONE
MN Right-to-Know Law:	NONE

International Regulations

CDSL: Canadian Inventory (on Canadian Transitional List)	DI Water CAS# 7732-18-5 is on the DSL list. WHMIS = n/da
EINECS: European Inventory:	Kleen ALL Boil Out Solution:

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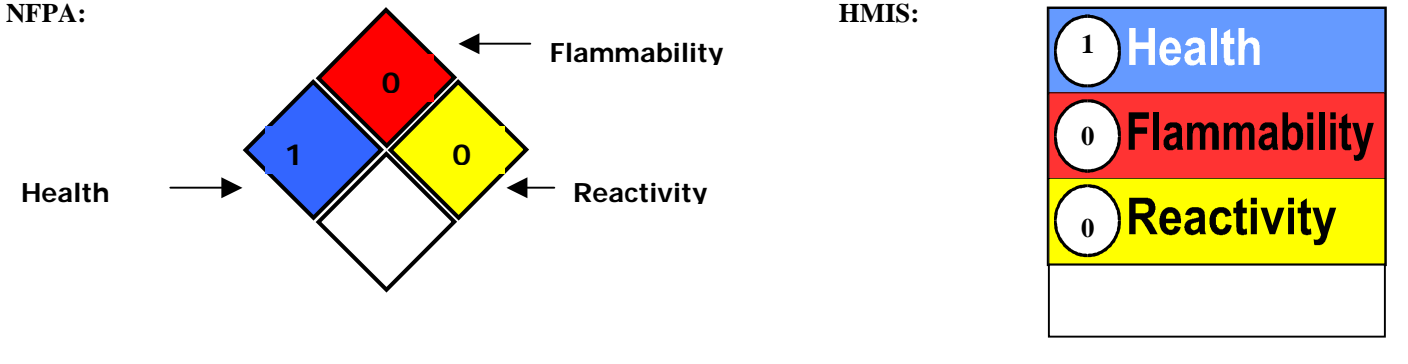
	<ul style="list-style-type: none"> HAZARD SYMBOLS: n/da RISK PHRASES: n/da SAFETY PHRASES: S24/25: avoid contact with skin and eyes
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Section XVI - Other Information

Hazard Rating System (Pictograms)

NFPA:

HMIS:



The diagram shows the NFPA hazard diamond and the HMIS pictogram. The NFPA diamond has four quadrants: Health (blue, 1), Flammability (red, 0), Reactivity (yellow, 0), and an empty white quadrant. The HMIS pictogram is a vertical stack of three colored boxes: Health (blue, 1), Flammability (red, 0), and Reactivity (yellow, 0).

Approval Date: 06/02/2004
Supersedes Date:

Product Number - 1014102, 1014013

Revised Sections since Last Version: Section 1, part numbers added

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