

SAFETY DATA SHEET

Kleen Break

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION:

DISTRIBUTOR: Kleen Solutions, Inc.
1360 West Crowell Lane
Halsey, OR 97348
INFORMATION PHONE: (866) 77-KLEEN / (866) 775-5336

USES: Laundry Alkaline Builder
and water softener

Restrictions: None Known

For Medical and Chemical Emergencies **CHEMTREC 1-800-424-9300**

PRODUCT NAME: Kleen Break
PRODUCT NUMBER: KS- 541
DATE PREPARED: 06/21/07
LAST REVISION: 09/26/2022

PURE: LIQUID:

MIXTURE: SOLID:

2. HAZARDOUS IDENTIFICATION:

EMERGENCY OVERVIEW: Corrosive

GHS CLASSIFICATION: Skin: (Category 2) Eyes: (Category 1) Acute Toxicity Oral: (Category 4)

GHS Label elements, including precautionary statements

SIGNAL WORD: **Danger**

PICTOGRAM:



HAZARD STATEMENT(S):

H302: Harmful if swallowed
H315: Causes skin irritation
H318: Causes serious eye damage

PRECAUTIONARY STATEMENT(S):

P262 Do not get in eyes, on skin, or on clothing.
P280: Wear protective gloves/protective clothing/eye protection
P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353: IF ON SKIN (or hair): Remove/Take off Immediately all contaminated clothing. Rinse SKIN with water/shower.
P304+P340: IF INHALED: Remove victim to fresh air and Keep at rest in a position comfortable for breathing.
P305 +P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333+P313 IF SKIN: irritation or rash occurs: Get medical advice/attention.
P337+P313: IF eye irritation persists: Get medical advice/attention.

POTENTIAL HEALTH EFFECTS

EYE CONTACT: Can cause severe eye irritation or damage.

INHALATION: Irritating to the nose, throat, and respiratory tract.

INGESTION: Swallowing this product can be irritation and may cause damage to the gastrointestinal tract.

SKIN CONTACT: May cause irritation. Prolonged contact may cause reddening and defatting of skin tissue.

SIGNS AND SYMPTOMS OF EXPOSURE: Irritation, pain, coughing, redness of skin.

3. COMPOSITION/INFORMATION ON INGREDIENTS:

Chemical Name	CAS #	Range Wt
SODIUM HYDROXIDE	1310-73-2	1 – 5%
ALCOHOL ETHOXYLATE	68439-46-3	1 – 5 %
DODECYLBENZENESULFONIC ACID	27176-81-0	1 – 2 %
POTASSIUM HYDROXIDE	1310583	5-10%

4. FIRST AID MEASURES:

EYE CONTACT: Immediately flush eyes with water for at least 15 minutes. Hold eyelids open while flushing the eyes. Get medical attention.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

INGESTION: If swallowed, dilute with water and get medical attention. Never give anything by mouth to an unconscious or convulsing person.

SKIN CONTACT: Wash with soap and water. Change contaminated clothing. Get medical attention if irritation develops or persists.

AGGRAVATED MEDICAL CONDITIONS: Pre-existing skin or respiratory conditions. Repeated overexposure may cause kidney and liver exposure.

SUPPLEMENTAL HEALTH INFORMATION: The effects of long-term, low-level exposure 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.

5. FIRE FIGHTING MEASURES:

EXTINGUISHING MEDIA: Water fog, dry chemical foam or carbon dioxide. Use extinguishing media appropriate for surrounding fire.

SPECIAL FIRE FIGHTING PROCEDURES: Wear full protective clothing and a NIOSH-approved self-contained breathing apparatus with full face piece operated in a pressure positive mode.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Will not burn

COMBUSTION PRODUCTS: N/A

6. ACCIDENTAL RELEASE MEASURES:

STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED OR RELEASED: Small spills: Mop up, wipe up or soak up immediately. Remove to out of doors. Large spills: Evacuate area. Contain liquid; transfer to closed poly containers. Keep out of water supply.

7. HANDLING AND STORAGE:

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Protect from freezing. Follow all SDS/label precautions even after container is emptied because it may retain product residues.

OTHER PRECAUTIONS: For industrial use only. Keep away from children. Keep containers closed while not in use.

8. EXPOSURE CONTROL/PERSONAL PROTECTION:

EXPOSURE GUIDELINES:

Chemical Name	OSHA PEL	OSHA STEL	ACGIH TLV	ACGIH STEL
SODIUM HYDROXIDE	2mg/m ³	n/a	2 mg/M ³	n/a
ALCOHOL ETHOXYLATE	n/a	n/a	n/a	n/a
DODECYLBENZENESULFONIC ACID	400ppm / 980mg/m ³	500ppm/1225mg/m ³	200ppm	400ppm
POTASSIUM HYDROXIDE	2mg/m ³	n/a	2mg/m ³	n/a

PERSONAL PROTECTIVE EQUIPMENT

RESPIRATORY PROTECTION: Wear a NIOSH/MSHA approved respirator appropriate for vapor concentration at point of use.

PROTECTIVE GLOVES: Rubber or other impervious material with gauntlets.

VENTILATION: Local exhaust sufficient to keep exposure below TLV.

WORK / HYGENIC PRACTICES: Use good personal hygiene when handling this product. Wash hands after use, before smoking, or using the toilet.

ENGINEERING CONTROLS: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

EYE PROTECTION: If splashing is probable safety glasses with side shields (or goggles)

OTHER PROTECTIVE EQUIP: Boots, apron, lab coat or coveralls of impervious material, safety shower, eyewash.

9. PHYSICAL AND CHEMICAL PROPERTIES:

INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES:

a) Appearance: Blue Liquid	k) Vapor pressure: No data available.
B) Odor: Slight odor	l) Vapor density: No data available.
d) pH: 12.5	m) Relative density (Specific Gravity): 1.10
e) Melting point/freezing point: No data available.	n) Water solubility: Complete
f) Initial boiling point and boiling range: 210 deg F	p) Auto-ignition temperature: Not applicable
g) Flash point: Not applicable Method Used: Not applicable	r) Viscosity: No data available.
h) Evaporation rate: >1.	-) Pounds Per Gallon: 9.17
j) Upper/lower flammability or explosive limits: Not applicable	OTHER: No other data is available for this product. . . .

10. STABILITY AND REACTIVITY:

STABLE: Stable

INCOMPATIBILITY: Strong acidic and strong oxidizing compounds

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Oxides of carbon.

HAZARDOUS POLYMERIZATION: Will Not Occur

CONDITIONS TO AVOID: None Known

11. TOXICOLOGICAL INFORMATION: No data available

12. ECOLOGICAL INFORMATION: No data available

13. DISPOSAL CONSIDERATIONS: Dilute with large amounts of water, neutralize with dilute acid, and dispose to municipal or industrial waste treatment facility in accordance with Local, State, and Federal Regulations

14. TRANSPORT INFORMATION:

Regulation	UN No.	Proper Shipping Name	Transport Hazard Class(es)	Packing Group
US DOT	3266	Corrosive Liquid, Basic, Inorganic, n.o.s. (Potassium Hydroxide, Sodium hydroxide)	8	II

ERG No.: 154

15. REGULATORY INFORMATION: No data available.

16. OTHER INFORMATION:

HMS INFORMATION: HEALTH: 2 FLAMMABILITY: 0 PHYSICAL HAZARD: 0 PROTECTIVE: C
NFPA INFORMATION: TOXICITY: 2 FIRE: 0 REACTIVITY: 0

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