

MATERIAL SAFETY DATA SHEET

DYNA-KLEEN CONCENTRATE

Section I



CHEMICALS & EQUIPMENT, INC.

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Telephone Number for Information
(713) 644-1492

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Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity: Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Sodium hydroxide	2mg/m3	2mg/m3		
2-Butoxyethanol	50mg/m3			

Section III — Physical/Chemical Characteristics

Boiling Point	>212 F	Specific Gravity (H ₂ O =1)	1.06
Vapor Pressure (mm Hg.)	<1	Melting Point	N/A
Vapor Density (AIR = 1)	>5	Evaporation Rate (Butyl Acetate = 1)	>5

Solubility in Water: 100%

Appearance and Odor : Green liquid with slight detergent smell

Section IV — Fire and Explosion Hazard Data

Flash Point (Pensky-Marten's Closed cup)	Flammable Limits	LEL	UEL
>212 F		1%	10%

Extinguishing Media: A,B,C, or D

Special Fire Fighting Procedures: None

Unusual Fire and Explosion Hazards: Low level peroxides may have been produced following prolonged storage in hot areas or presence of ultraviolet light.

Section V — Reactivity Data

Stability	Unstable		Conditions to Avoid: none
	Stable	x	

Incompatibility (Materials to Avoid): Strong acids and oxidizers, organic halogens, nitromethane, aluminum, tin, or Zinc.

Hazardous Decomposition or Byproducts:

Hazardous Polymerization	May Occur		Conditions to Avoid: Oxidizers
	Will Not Occur	x	

Section VI — Health Hazard Data

Route(s) of Entry	Inhalation? x	Skin? x	Ingestion? x
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Health Hazards (Acute and Chronic)

EYES : Irritation – stinging, tearing, redness, and swelling of eyes

SKIN: May cause mild irritation. Prolonged or repeated contact may dry the skin. Symptoms include redness, burning, drying, cracking, and skin burns.

INGESTION: Swallowing small amounts of this material is not likely to cause harmful effects. Swallowing large amounts may be harmful.

Get medical attention immediately.

INHALATION: Breathing of vapor or mist is possible. Consult medical professional.

Carcinogenicity NTP? Unknown IARC Monographs? Unknown OSHA Regulated? Unknown

Signs and Symptoms of Exposure: Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: burning and swelling, stomach or intestinal upset (nausea, vomiting, diarrhea), irritation (nose, throat, airways), skin (redness, burning, dryness, and cracking), and inhalation (distress).

Medical Conditions (Generally Aggravated by Exposure): Pre-existing medical conditions/disorders of skin, lungs, and eyes may be aggravated.

Emergency and First Aid Procedures:

SKIN: Wash with soap and large amounts of water. Remove contaminated clothing including shoes, after flushing has began. Get prompt medical attention. Do not reuse until thoroughly cleaned or laundered.

EYES: If symptoms or irritation develop, immediately move to fresh air. Flush eyes gently with large amounts of water for at least 15 minutes while holding eyelids open. Get prompt medical attention.

INHALATION: If symptoms develop, move away from exposure to fresh air. Administer oxygen if breathing is difficult. Administer artificial respiration if breathing has stopped. Keep warm and at rest. Call for prompt medical attention.

INGESTION: Medical attention immediately. If individual is drowsy or unconscious, do not give anything by mouth. Place individual on the left side with head down. Contact Physician or Poison Control for advice about whether to induce vomiting. DO NOT leave person unattended.

Section VII — Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled: SMALL SPILL/LEAK – Contain the spill and absorb the liquid with proper absorbent material. Dispose of contaminated absorbents per local, state and federal regulations.

LARGE SPILL/LEAK: Persons not wearing proper protective equipment should be excluded from area of the spill until clean up has been completed. Stop spill at source, dike area of spill to prevent spreading, pump liquid to a salvage tank. Remaining liquid may be taken up on sand, clay, earth, floor absorbents, or other absorbent materials and shoveled into containers. Dispose of absorbed material in accordance with local, state, and federal regulations.

Waste Disposal Method: Follow local, state, and federal regulations when disposing of this material.

Precautions to Be Taken in Handling and Storing: Containers of this material may be hazardous when emptied. Since empty containers contain product residue (vapor, liquid, and/or solid) all hazardous precautions given in the data sheet must be observed.

Section VIII — Control Measures

Respiratory Protection (Specify Type): Engineering or administrative controls should be implemented to reduce exposure. If exposure occurs above the PEL, an approved organic vapor air purifying respirator is recommended.

Ventilation	Local Exhaust: Recommended	Special
	Mechanical (General): Recommended	Other

Protective Gloves: PVC or Neoprene gloves

Eye Protection: Splash goggles or face shield

Other Protective Clothing or Equipment: Full coverage clothing (long sleeve shirt and pants)
Slicker suit or other chemical protective clothing
PVC boots

Work/Hygiene Practices: Avoid contact with eyes, skin and clothing. Good housekeeping and hygiene practices are recommended.