

MATERIAL SAFETY DATA SHEET

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME	MACHINE KLEEN		
PRODUCT CODE	14885	DISTRIBUTOR	Myers Supply, Inc.
ISSUE DATE	03/28/05	STREET ADDRESS	831 Third St.
SUPERCEDES		CITY, STATE ZIP	Hot Springs, AR 71913
		PHONE	(501) 623-7742

EMERGENCY TELEPHONE NUMBER

1-888-627-8740

SECTION 2 – COMPOSITION / INFORMATION ON INGREDIENTS

EXPOSURE LIMITS

HAZARDOUS INGREDIENTS	CAS No.	OSHA PEL/TLV	ACGIH TLV	STEL	OTHER LIMITS
Sodium Hydroxide	1310-73-2	N/A mg/m ³	2mg/m ³	N/A mg/m ³	N/A

SECTION 3 – HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW Causes severe burns to skin, eyes, mucous membranes and gastric mucosa.

POTENTIAL HEALTH EFFECTS

INGESTION	Severe burns to oral and gastric mucosa.
INHALATION	Severe burns to mucous membranes
EYE CONTACT	Severe burns
SKIN CONTACT	Severe burns

SECTION 4 – FIRST AID MEASURES

INGESTION	Drink large quantities of milk or water. DO NOT INDUCE VOMITING. See a physician immediately.
INHALATION	If mists are produced or if respiratory irritation occurs, leave area and do not return until mists are dispersed. See a physician immediately.
EYE CONTACT	Flush with water for 15 minutes. See a physician immediately.
SKIN CONTACT	Flush with large amounts of water, for at least 15 minutes. If irritation persists, see a physician.
NOTE TO PHYSICIAN	Treatment based on judgment of the physician in response to reactions of the patient.

SECTION 5 – FIRE FIGHTING MEASURES

FLASH POINT / METHOD N/A ° F

FLAMMABLE

LIMITS

LEL-N/A UEL-N/A

% VOLATILE N/A

EXTINGUISHING MEDIA

Water mist, dry chemical, CO2, alcohol foam.

SPECIAL FIRE FIGHTING PROCEDURES

Firefighters should wear a self-contained breathing apparatus as in all chemical fires.

FIRE AND EXPLOSION HAZARDS

Concentrate will react with aluminum or zinc to produce hydrogen, which forms explosive mixtures in air.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

RESPONSE

TO SPILLS

Stop leak; dilute material spilled with diluted acetic acid (vinegar) to less than pH 10.

SECTION 7 – HANDLING AND STORAGE

HANDLING

PRECAUTIONS

Wash hands before eating. Keep container tightly closed when not in use.

STORAGE

PRECAUTIONS

Store in a dry, cool place.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTIONS

HYGIENIC PRACTICES

Normal procedures for good hygiene. Observe label precautions. Use personal protection equipment.

ENGINEERING CONTROLS

No special ventilation requirements. **OR**Use general mechanical ventilation to remove vapors at the source. Eyewash station is recommended. **OR**Use local exhaust to remove vapors at the source. Eyewash station recommended.

	RESPIRATOR	Not required
X	GOGGLES / FACE SHIELD	Required: goggles should be chemical splash type
X	APRON	Required
X	GLOVES	Required: PVC, Neoprene, Nitrile acceptable
X	BOOTS	Required

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Reddish-purple opaque liquid	BOILING POINT	220° F
ODOR	NONE	VAPOR PRESSURE	N/A
pH 1%	> 13.0	VAPOR DENSITY	N/A
SPECIFIC GRAVITY	1.475	EVAPORATION RATE (butyl acetate=1)	1
SOLUBILITY IN WATER	N/A		

SECTION 10 – STABILITY AND REACTIVITY

CHEMICAL STABILITY	STABLE	X	UNSTABLE
CONDITIONS TO AVOID	No special precautions beyond standard safe industrial practices.		
INCOMPATIBILITY	Strong acids		
HAZARDOUS PRODUCTS OF DECOMPOSITION	Oxide of carbon		
POLYMERIZATION	WILL NOT OCCUR	X	MAY OCCUR
CONDITIONS TO AVOID	None		

SECTION 11 – TOXICOLOGICAL INFORMATION

CARCINOGENICITY

	THIS PRODUCT CONTAINS A KNOWN OR SUSPECTED CARCINOGEN
X	THIS PRODUCT DOES NOT CONTAIN ANY KNOWN OR ANTICIPATED CARCINOGENS ACCORDING TO THE CRITERIA OF THE NTP ANNUAL REPORT ON CARCINOGENS AND OSHA 29 CFR 1910,Z.

OTHER EFFECTS

ACUTE	Causes severe burns to skin, eyes, mucous membranes and gastric mucosa.
CHRONIC	None Known
ORAL LD/50	Unknown

SECTION 12 – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL	Flush diluted material to sewer.
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SECTION 13 – TRANSPORT INFORMATION

DOT CLASSIFICATION	HAZARDOUS	X	NOT HAZARDOUS
DESCRIPTION	Sodium hydroxide solution, 8, UN1824, PGII		
HM CODE	350		

SECTION 14 – OTHER INFORMATION

HMIS CLASSIFICATION

3	BLUE	HEALTH HAZARD
0	RED	FLAMMABILITY
1	YELLOW	REACTIVITY
ALK	WHITE	SPECIAL HAZARD

Information contained in this MSDS refers only to the specific material designated and does not relate to any process or use involving other materials. This information is based on data believed to be reliable, and the Product is intended to be used in a manner that is customary and reasonably foreseeable. Since actual use and handling are beyond our control, no warranty, express or implied, is made and no liability is assumed by Myers Supply, Inc. in connection with the use of this information.