

MATERIAL SAFETY DATA SHEET

Prepared According to 29 CFR 1910, 1200

N/A (Not Applicable)

N/E (Not Established)

SECTION I - PRODUCT IDENTIFICATION

PRODUCT NAME: KSS DRAIN SOLVE

CHEMICAL FAMILY: A MIXTURE OF CAUSTIC SODA & SODIUM HYPOCHLORITE

DOT SHIPPING NAME:

ORM-D
N/A NONE

TECHNICAL NAME: CONSUMER COMMODITY

SECTION II - HAZARDOUS INGREDIENTS IDENTIFICATION INFORMATION

	%	TLV (UNITS)
SODIUM HYDROXIDE 1310-73-2	<10%	2 MG/M3
SODIUM HYPOCHLORITE 7681-52-9	<35%	N/E

CARCINOGENS: NONE SUSPECTED.
TSCA: ALL COMPONENTS LISTED.

VOC compliant

*SARA TITLE III, SECTION 313 LISTED

HMS HAZARDOUS MATERIALS IDENTIFICATION SYSTEM

HEALTH	2
FLAMMABILITY	0
REACTIVITY	1
PERSONAL PROTECTION	C

HAZARD RATING

4 = EXTREME
3 = HIGH
2 = MODERATE
1 = SLIGHT
0 = INSIGNIFICANT

SECTION III - PHYSICAL DATA

PHYSICAL DESCRIPTION: CLOUDY LIQUID WITH CHLORINE ODOR
BOILING POINT (F): > 200 F
VAPOR PRESSURE: N/E
% VOLATILE: 0%
SOLUBILITY IN WATER: COMPLETE
SPECIFIC GRAVITY: 1.13
EVAPORATION RATE: N/E
pH: 11.0-12.0

SECTION VII - REACTIVITY DATA

STABILITY: UNSTABLE STABLE

INCOMPATIBILITY (Materials to Avoid):
AVOID STRONG ALKALI AND OXIDIZING AGENTS.

HAZARDOUS DECOMPOSITION PRODUCTS:
CO

HAZARDOUS POLYMERIZATION: NO

SECTION IV - FIRE AND EXPLOSIVE HAZARD DATA

FLASH POINT (METHOD USED): NONFLAMMABLE
UPPER EXPLOSIVE LIMIT: N/A LOWER EXPLOSIVE LIMIT: N/A
EXTINGUISHING MEDIA: Use appropriate extinguishing media for the surrounding fire.

SPECIAL FIRE FIGHTING PROCEDURES: Self-contained breathing apparatus and full protective clothing (bunker gear) should be worn when fighting fires involving chemicals.

UNUSUAL FIRE AND EXPLOSING HAZARDS: N/E

SECTION VIII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:
Wear necessary personal protective equipment.
Evacuate all unnecessary and untrained personnel.
Dike area to prevent spreading of materials. Cover drains.
Cover spill with an inert material (clay, sand) and collect into appropriate containers.
Dispose of in accordance with federal, state and local regulations.

EMPTY CONTAINERS DISPOSAL:
Any disposal practices must be in compliance with federal, state and local laws. Any questions regarding disposal should be directed to the proper government agency.

SECTION VI - FIRST AID & HEALTH HAZARD DATA

FIRST AID

EYES: Immediately flush eyes with large amounts of water for at least 15 minutes while holding eyelids apart. Washing eyes within one minute is essential. Seek immediate medical attention.

SKIN: Wash with plenty of water for 15 minutes. Remove contaminated clothing. Seek medical attention if irritation persists.

INGESTION: Give large quantities of water. DO NOT induce vomiting. If vomiting occurs spontaneously, keep head lower than lungs to prevent aspiration of chemical into lungs. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

INHALATION: Remove victim to fresh air. If person is having difficulty in breathing, perform artificial respiration and get immediate medical attention.

EFFECTS OF OVEREXPOSURE (Primary Route of Entry)

2MG/M3 (NAOH)	
EYES:	CORROSIVE. MAY CAUSE SEVERE BURNS AND DAMAGE.
SKIN:	CORROSIVE. MAY CAUSE SEVERE BURNS.
INGESTION:	CORROSIVE. NAUSEA, DISCOMFORT.
INHALATION:	N/E

SECTION IX - SPECIAL PROTECTIVE EQUIPMENT

RESPIRATORY PROTECTION.....NIOSH/MSHA APPROVED IF NEEDED.

PROTECTIVE GLOVES..... IMPERVIOUS

EYE PROTECTION..... SAFETY GLASSES RECOMMENDED

VENTILATION..... ADEQUATE ROOM VENTILATION

OTHER PROTECTIVE EQUIPMENT.. Eyewash and emergency shower should be located in the working area.

Contact Information:

KSS ENTERPRISE
616 EAST VINE STREET
KALAMAZOO, MI

269.349.6637

49001

Emergency Phone: 800-535-5053 INFOTRAC

SECTION V - STORAGE AND HANDLING

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Use sound industrial hygiene practices. Keep container closed when not in use. Wash after handling. Do not eat, drink or smoke around this or any other chemicals. Read labels and material safety data sheets before using. Store container in a dry, cool area.