

MATERIAL SAFETY DATA SHEET

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 Date Prepared: March 15, 1995
 MSDS Number : 00000065

Drain Opener # 235223050 3/2/95 N/A

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PO/Code Number : 3050
 Product Identifier : Drain Opener 3050 3/2/95 N/A
 General Use : Drain Opener
 Product Description: Clear Liquid Odorless
 Trade Name/Chemical Family/Synonyms:
 Drain opener, Sodium Hydroxide, Alkalies

MANUFACTURER:
 United Chemical and Supply
 2021 Washington
 Kansas City, Mo 64108
 816-474-4024

EMERGENCY TELEPHONE NUMBERS:
 Health 816-474-4024
 Transportation N/A- -
 CHEMTREC 800-424-9300

2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Wt. %	CAS Registry #
Sodium Hydroxide	15-20	1310-73-2

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200):

Component	Hazard	EXPOSURE LIMITS 8 hrs.TWA (ppm)			
		OSHA STEL	OSHA PEL	ACGIH TLV	Supplier
Sodium Hydroxide	CORROSIVE	NOT EST.	1 2 MG/M3 C*2	2 MG/M3 C*1	*

N/A

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Burns, frequently deep ulceration and unlimited scarring.

POTENTIAL HEALTH EFFECTS

INHALATION:

N/A

EYE CONTACT:

N/A

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3. HAZARDS IDENTIFICATION, Continued

POTENTIAL HEALTH EFFECTS

SKIN CONTACT:

Burns, frequently deep ulceration and unlimited scarring.

INGESTION:

N/A

CHRONIC:

N/A

TARGET ORGANS:

N/A

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

N/a

4. FIRST AID MEASURES

INHALATION:

Remove to fresh air

EYE CONTACT:

Flush with large quantities of water for 15 monutes. Get medical attention.

SKIN CONTACT:

Wash with soap and water. Get medical attention.

INGESTION:

Give large quantities of water, if available: 1 part vinegar to 1 part water or fruit juice. Do not induce vomiting.

NOTES TO PHYSICIAN:

N/A

5. FIRE FIGHTING MEASURES

Flashpoint(°F) and Method : N/A

Autoignition Temperature(°F) : N/A

FLAMMABLE LIMITS

Ingredient: N/A

UEL: N/A

LEL: N/A

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5. FIRE FIGHTING MEASURES, Continued

GENERAL HAZARD

Dissolves in water forming strong alkaline solutions. Reacts with aluminum to form explosive hydrogen gas.

FIRE FIGHTING INSTRUCTIONS:

Firefighters should be equipped with appropriate protective apparel.

FIRE FIGHTING EQUIPMENT:

Does not burn or support combustion

EXTINGUISHING MEDIA:

Foam: *	Alcohol Foam: *	CO2: *
Dry Chemical: *	Water: *	Other: *

HAZARDOUS COMBUSTION PRODUCTS:

N/A

NATIONAL FIRE PROTECTION ASSOCIATION:

NFPA Hazard Rating:	0-Insignificant	1-Slight	2-Moderate	3-High
	4-Extreme	U-Unknown	*-No Information	

Health : *
Flammability : *
Reactivity : *

SPECIAL INFORMATION:

N/A

6. ACCIDENTAL RELEASE MEASURES

LAND SPILL

Containerize material followed by flushing with large quantities of water and dilute acid.

WATER SPILL

N/A

7. HANDLING AND STORAGE

STORAGE TEMPERATURE (°F): N/A

STORAGE PRESSURE: N/A

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7. HANDLING AND STORAGE, Continued

When handling wear goggles face shield and rubber gloves. Keep container closed when not in use. Avoid contact with strong acids

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS:
Provide local exhaust

PERSONAL PROTECTION:

RESPIRATOR:

NIOSH approved respirator for dust and mists.

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PROTECTIVE CLOTHING:

Rubber boots and apron, eye bath and safety shower. Chemical Safety goggles. Rubber, pvc or neoprene gloves.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Vapor Pressure (mmHg) : 1.54 pH : N/A
Specific Gravity (Water=1) : > water Odor : Orderless
Solubility in Water : Complete
Freezing Point : N/A
Evaporation Rate (BuAc=1) : N/A
Viscosity : N/A
Boiling Point (°F) : N/A
Appearance : Clear
Physical State : Liquid
Vapor Density (Air=1) : N/A
Percent Volatile by Vol : N/A

10. STABILITY AND REACTIVITY

GENERAL:

Stable. Avoid contact with strong acids.

INCOMPATIBLE MATERIALS AND CONDITIONS TO AVOID:

Aluminum, tin, zinc and other alloys, acids

HAZARDOUS DECOMPOSITION PRODUCTS:

None

11. TOXICOLOGICAL INFORMATION

N/A

CARCINOGENIC INFORMATION: Not carcinogenic

CAS #: N/A %Wt.: N/a

IARC: * NTP: * OSHA: * ACGIH: * Other: *

12. ECOLOGICAL INFORMATION

N/A

13. DISPOSAL CONSIDERATION

RCRA Hazard Class: N/A

Follow regulations regarding health and pollution.

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14. TRANSPORT INFORMATION

DOT (Department of Transportation)
Proper Shipping Name : N/A
Hazard Class : N/a
Identification Number : N/A

15. REGULATORY INFORMATION

TSCA (Toxic Substance Control Act):
N/A

CERCLA
(Comprehensive Environmental Response Compensation, and Liability Act):
N/A

SARA TITLE III (Superfund Amendments and Reauthorization Act):
311/312 Hazard Categories:
N/A

313 Reportable Ingredients:
N/A

CALIFORNIA PROPOSITION 65:
N/A

16. OTHER INFORMATION

N/A

REFERENCES
N/A

N/A : Not Available

N/D : Not Determined

N/E : Not Established

* - Where no corresponding data was contained in manufacturer's MSDS,
additional research is required and is available upon request.

THE INFORMATION RELATES TO THIS SPECIFIC MATERIAL. IT MAY NOT BE
VALID FOR THIS MATERIAL IF USED IN COMBINATION WITH ANY OTHER
MATERIALS OR IN ANY PROCESS. IT IS THE USER'S RESPONSIBILITY
TO SATISFY ONESELF AS TO THE SUITABILITY AND COMPLETENESS OF
THIS INFORMATION FOR HIS OWN PARTICULAR USE.
