

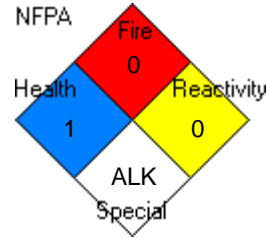
MSDS - Material Safety Data Sheet**Product Name: Cement Cleaner****MSDS No.: 80****I. Basic Information:**

Manufacturer: Royal Chemical
Address: 8679 Freeway Dr.
City, ST Zip: Macedonia, OH 44056

Last Update: 3/3/99

Chemical State: Liquid Gas Solid

Chemical Type: Pure Mixture



1	Health
0	Flammability
0	Reactivity
B	Pers. Protection

II. Ingredients:

CAS No.	Chemical Name	% Range	EHS	NTP	IARC	SARA SUB Z 313	OSHA PEL	ACGIH TLV	Other Limits
0	No hazardous ingredients								

III. Hazardous Identification:**Hazard Category:**

Acute Chronic Fire Pressure Reactive

Hazardous Identification Information:

Can cause severe burns to eyes and skin, Can be fatal if ingested.

IV. First Aid Measures:**Route(s) of Entry:**

Skin, Eyes, and Ingestion

Health Hazards (Acute and Chronic):

Acute: Severe burns to skin and eyes.

Chronic: Can be fatal if Ingested.

Signs and Symptoms:

Severe burns to skin and eyes.

Medical Conditions Generally Aggravated by Exposure:

None Listed

Emergency and First Aid Procedures:

Skin & Eyes: Immediately flush with copious amounts of water, Call a physician and get to an EMERGENCY TREATMENT CENTER.

Ingested: Do not induce vomiting. Give as much water as they will drink. Immediately get to a HOSPITAL EMERGENCY ROOM.

Other Health Warnings:

None Known

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V. Fire Fighting Measures:

Flash Point: NA **Lower Explosive Limit:** NA **Upper Explosive Limit:** NA

Fire Extinguishing Media: Non-Flammable
Use appropriate extinguishing media for surrounding fire.

Special Fire Fighting Procedures:
NA

Unusual Fire and Explosion:
Contact with soft metal, such as aluminum or zinc, under moist conditions, releases flammable hydrogen gas.

VI. Accidental Release Measures:

Steps to be Taken in Case Material is Released or Spilled:
Shovel-up and place in steel drum. Flush area with water.

VII. Handling and Storage:

Precautions to be Taken:
Care as with all caustic alkalines.

Other Precautions:
Never transfer to aluminum or galvanized containers.

VIII. Exposure Controls/Personal Protection:

Ventilation Requirements:
Local exhaust sufficient to maintain TLV
TLV for Sodium Hydroxide is 2mg/m³

Personal Protective Equipment:
Protective Gloves: Rubber or PVC
Eye Protection: Chemical goggles & face shield.
Other Protective Equipment: Rubber boots, aprons, hard hats. Impervious clothing, eye-bath and safety shower should be available.

IX. Physical and Chemical Properties:

Boiling Point: NA **Melting Point:** NA **Evaporation Rate:** NA

Vapor Pressure (mm Hg.): NA **Vapor Density (AIR = 1):** NA

Solubility In Water: 15% in Water

Appearance and Odor: Pink powder with Pine smell

Other Information: None Known

X. Stability and Reactivity:

Stability:
Stable

Incompatibility (Materials to Avoid):

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Soft Metals and Acids.

Decomposition/By Products:

None Known

Hazardous Polymerization:

Will not Occur

XI. Toxicological Information:

NONE KNOWN

XII. Ecological Information:

NONE KNOWN

XIII. Disposal Considerations:

Place in approved container and send to approved hazardous waste disposal site. Follow Local, state, and federal regulations.

XIV. Transport Information:

NONE KNOWN

XV. Regulatory Information:

NONE KNOWN

XVI. Other Information:

The information accumulated herein is believed to be accurate, but is not warranted to be, whether originated from the company or not. Recipients are advised to confirm, in advanced of their need, that the information is current, applicable and suitable and suitable to their circumstances

EMERGENCY TELEPHONE NO. 419-524-5112

Distributed by-G & L Supply 139 N. Diamond St. Mansfield, Oh 44901

The Janton Company 1288 N. High St. Columbus, Oh 43201