



Z 129

CHLORINATED DEGREASER

Floors
Meatrooms
Equipment

Cutting Boards
Concrete
Tile & Grout

Product Description

This product is a specially formulated concentrated high foaming chlorinated degreaser for removing stubborn stains and greasy soils from cutting boards, tile and grout, sinks, walls, equipment, etc. May also be used on rubber or vinyl surfaces, but must be rinsed immediately after using.

Test:

Limit:

Color:	Light yellow
Odor:	Chlorine
pH: (Conc.)	13.0 – 13.5
Recommended Dilution:	1:10 – 1:20
Viscosity:	Water thin
Foam:	Moderate
Emulsification:	Excellent
Solubility:	Complete with water
Flashpoint:	None
Storage/Stability:	1 year
Weight per Gallon:	10.6 lbs/gal.
Freeze/Thaw Stability:	Keep from freezing

Directions For Use

NOTE: This product MUST be diluted before use. Failure to do so may result in damage to equipment or certain surfaces. Wear rubber gloves, eye protection and protective clothing before using.

Before using, remove all food products and packaging materials from the area, or carefully protect from contact.

FOR GENERAL CLEANING AND BLEACHING: Dilute 1 part product per 20 parts water. (approx. 6.4 oz. per gal.)

FOR HEAVY DUTY CLEANING AND BLEACHING: Dilute 1 part product per 10 parts water. (approx. 12 oz. per gal.)

Spray or sponge diluted product onto area to be cleaned and allow stains to disappear before rinsing. Scrubbing or brushing may be necessary for heavily soiled or stained cutting surfaces. After using this product, all surfaces in the area must be thoroughly rinsed with potable water.

Gem Supply Co.

800-999-6059

www.gemsupply.net

SECTION 1-PRODUCT IDENTIFICATION AND SUPPLIER INFORMATION

Product Name: Z 129	Supplier's Name: Gem Supply Co.
Generic Name: Chlorinated Meatroom Degreaser	Supplier's Address: Tampa, FL 33611
Chemical Family: Alkaline Detergent Blend	Supplier's Phone #: 800-999-6059
Formula: Proprietary	

SECTION 2-INGREDIENT INFORMATION

CHEMICAL NAME	CAS NO.	WT. %	PEL	TWA-TLV	STEL-TLV
Water	7732-18-5	to 100			
Sodium Hypochlorite	7681-52-9	0 to 5	N/A	C2mg/M ³	N/A
Potassium Hydroxide	1310-58-3	15 to 20	N/A	C2mg/M ³	N/A
Amine Oxide	2605-78-9	0 to 5		N/A	
Sodium Xylene Sulfonate	1300-72-7	0 to 5			

SECTION 3-PHYSICAL DATA

Boiling Point (°F): 210 F.	Specific Gravity: 1.042
Vapor Pressure: 20mm Hg @ 68 F.	Vapor Density (Air=1): >1
% Volatile: 85+	pH: 13.0-13.5
Solubility in Water: Complete	Evaporation Rate (Water=1): <1
Physical Description: Thin clear liquid with chlorine bleach odor.	

SECTION 4-FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): N/A	Lower Explosion Limit: N/A
Upper Explosion Limit: N/A	Extinguishing Media: N/A
Special Firefighting Procedures: Non Flammable	
Unusual Fire and Explosion Hazards: N/A	

SECTION 5-REACTIVITY DATA

Stability: Stable	Hazardous Polymerization: None
Hazards Decomposition Products: Alkaline vapors in a fire. Chlorine gas when in contact with acids. Heat and hydrogen gas generated when in contact with certain organic materials	Incompatibility (Materials to Avoid): Acids, reducing agents, ammonia, organics, heavy metals.

SECTION 6-STORAGE AND HANDLING INFORMATION

DANGER: Corrosive to eyes and skin. May react with organic materials, causing generation of heat and hydrogen gas. Keep out of reach of children. For use by trained personnel only. Keep container tightly closed during storage. For institutional and industrial use only. Avoid contact with eyes, skin and clothing. Wear rubber gloves and eye protection when using. Avoid breathing of vapors or mists. Use in well-ventilated area.

SECTION 7-HEALTH HAZARDS AND FIRST AID

Effects of Overexposure:
Skin: Severe skin irritant. May cause moderate reddening, swelling, and possible skin damage.
Eyes: Severe eye irritant. Liquid and mists may damage eyes, causing corneal damage.
Inhalation: Vapors and mists may be irritating to mucous membranes in the nose, throat, and lungs.
Ingestion: Irritating and corrosive to the mouth and throat. May cause headache, nausea, abdominal pain, vomiting, and diarrhea. Excessive amounts may cause collapse.

First Aid Procedures:

Skin: Flush with water. Seek medical attention if irritation persists.
Eyes: Object is to immediately Flush with large quantities of water, holding eyelids open. Seek medical attention if irritation persists.
Inhalation: Get to fresh air. Seek medical attention if irritation persists.
Ingestion: Do not induce vomiting. Drink large quantities of water. Seek medical attention immediately.

SECTION 8-SPECIAL PROTECTION INFORMATION

Respiratory Protection: NIOSH/MSHA approved chlorine canister when used in confined areas.
Ventilation Requirements: Provide local exhaust to keep TLV of Section 2 ingredients below acceptable limit.
Protective Gloves: Chemical resistant rubber or neoprene.
Eye Protection: Chemical splash goggles or full face shield.
Other Protective Equipment: Eyewash station nearby. Wear protective rubber footwear when using on floor. Wear protective outerwear when spraying or danger of mist contact may occur.

SECTION 9-SPILL OR LEAK PROCEDURES

Steps to be taken in Case Material is Released or Spilled: Floors will become slippery. Avoid walking in product. Keep unessential personnel away. Ventilate area by opening doors, windows, etc. Mop up or otherwise absorb and hold disposal. Avoid discharge to sewer or open waterways. Do not use combustible materials e.g. sawdust to absorb.
Waste Disposal Method: Any method in accordance with local, state and federal laws. Best method is to recycle or reuse for intended purpose. If discarded, this material and containers should be treated as hazardous waste based on the characteristic of corrosivity as defined under federal RCRA regulations (40 CFR 261). Consult local authorities for disposal in public sewer. Do not disposal of into storm drain, stream, river or to ground. Rinse container thoroughly before discarding in trash.

SECTION 10-REGULATORY INFORMATION

SARA Title III - Section 311/312 -Hazard Categories:	Shipping Information:
No - Fire Hazard	FOR CONTAINERS > 1 Gallon: Compounds, cleaning liquid, (Potassium Hydroxide), 8, NA-1760, PG III
No - Sudden Release of Pressure Hazard	FOR 1 GALLON CONTAINERS: Cleaning Compound LQ
Yes - Reactivity Hazard	
Yes - Immediate (acute) Health Hazard	
No - Delayed (chronic) Health Hazard	FOR CONTAINERS < 1 GALLON: Cleaning Compound LQ

HMIS Hazardous Materials Identification System

Health	3
Flammability	0
Reactivity	1
Personal Protection	D

FOR EMERGENCY MEDICAL OR TRANSPORT INFORMATION: CHEM-TEL, Inc. @ 800-255-3924 (24 hours, 7 days per week)

This product contains the following toxic chemical(s) subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372.

CAS#	Chemical Name	Percent by Weight
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This product contains the following chemical(s) which have been established to be either a carcinogen or suspected carcinogen.

CAS#	Chemical Name	Percent by Weight
	None	

SECTION 11-OTHER INFORMATION

This company cannot anticipate all conditions of handling and use of this product. Therefore, this company accepts no responsibility for results obtained by the application of this information, or the safety and suitability of our products either alone or in combination with other products. It is the responsibility of the user to provide a safe workplace, using the health and safety information contained herein as a guide. This company will accept no liability for damages or loss incurred from the improper handling and use of this product