

Zagers

BRAND

Z 110

EXTRA DUTY CLEANER DEGREASER

Floors
Walls
Concrete
Engines
Tools
Machinery
Desks
Refrigerators



Tables
Stainless Steel
Plastic
Vinyl
Food Processing Equipment
Porcelain

Product Description

A highly concentrated industrial strength extra duty cleaner and degreaser for the removal of heavy grease, oil, carbon, and other industrial soil from concrete, machinery, engines, floors, walls, etc. An extremely powerful cleaner that is non-toxic, non-flammable, and biodegradable.

NOTE: Before using this compound, food products and packaging materials must be removed from the room or carefully protected. After using this compound, surfaces must be thoroughly rinsed with potable water.

This product meets the maximum content requirements for Volatile Organic Compounds (VOCs) as established by state and Federal regulations.

Test:

Active Ingredients:
Color:
Odor:
pH:
Viscosity:
Foam:
Abrasives:
Phosphate Content:
Solubility:
Emulsification:
Detergency:
Rinsability:
Flash Point:
Biodegradability:
Storage/Stability:
Weight Per Gallon:
Freeze / Thaw Stability:

Limit:

23.0 ± 0.5%
Clear
Mild and pleasant
13.0 - 13.5
Water thin
Low
None
None
Complete with water
Excellent
Excellent
Excellent
None (waterbased)
Completely
2 years
8.68 lbs. per gallon
Keep from freezing

Directions For Use

Dilute with water depending on the job requirement. Apply by mop, sprayer, sponge or automatic scrubber. Apply to surface to be cleaned and allow to stand for several minutes. For heavier soil, agitate briskly with a brush or aggressive pad. For normal soil, allow the product to do the work. Wipe clean with a moist rag, sponge or pick up with wet vac or mop. Where applicable; rinse thoroughly with water. Avoid contact with windows or other glass surfaces.

HEAVY GREASE / OIL REMOVAL: Dilute 1 part product to 4 parts water.
GENERAL DEGREASING: Dilute 1 part product to 8 parts water.
INK and CRAYON REMOVAL: Dilute 1 part product to 4 parts water.
CARBON REMOVAL: Dilute 1 part product to 4 parts water.
WHITELINE TIRE CLEANING: Apply full strength.
OVENS, GRILLS, UTENSILS, HOODS: Apply full strength.
PLASTICS and FORMICA: Dilute 1 part product to 4 parts water.

SECTION 1-PRODUCT IDENTIFICATION AND SUPPLIER INFORMATION

Product Name: Z 110**Generic Name:** Extra Duty Cleaner Degreaser**Chemical Family:** Alkaline Detergent Blend**Formula:** Proprietary**Supplier's Name:** Zagers Brand, Inc.**Supplier's Address:** 4320 Gandy Blvd., Tampa, FL 33611**Supplier's Phone #:** (800) 241-4797

SECTION 2-INGREDIENT INFORMATION

CHEMICAL NAME	CAS NO.	WT. %	PEL	TWA-TLV	STEL-TLV
Water	7732-18-5	to 100			
2-Butoxyethanol	111-76-2	10 to 15	25 ppm	25 ppm	N/A
Potassium Hydroxide	1310-58-3	0 to 5	N/A	C2mg/M ³	N/A
Potassium Tall Oil Soap	61790-44-1	0 to 5			
Sodium Silicate	1344-09-8	0 to 5			
Fragrance	N/A	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: 75+ **pH:** 13.0-13.5
Solubility in Water: Complete **Evaporation Rate (Water=1):** <1
Physical Description: Thin clear liquid with characteristic odor.

SECTION 4-FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): N/A
Upper Explosion Limit: N/A **Lower 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. **Incompatibility (Materials to Avoid):** Strong acids.

SECTION 6-STORAGE AND HANDLING INFORMATION

Keep out of reach of children. For use by trained personnel only. Keep container 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: 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: Use in well-ventilated area.

Ventilation Requirements: Provide local exhaust to keep TLV of Section 2 ingredients below acceptable limit.

Protective Gloves: Chemical resistant rubber or neoprene.

Eye Protection: Safety glasses or chemical splash goggles.

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.

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 dispose 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:

No - Fire Hazard
 No - Sudden Release of Pressure Hazard
 No - Reactivity Hazard
 Yes - Immediate (acute) Health Hazard
 No - Delayed (chronic) Health Hazard

Shipping Information:

FOR CONTAINERS > 1 Gallon: Compounds, cleaning liquid, (Potassium Hydroxide), 8, NA-1760, PG III
 FOR 1 GALLON CONTAINERS: Compounds, cleaning liquid, (Potassium Hydroxide), 8, NA-1760, PG III (Limited Quantity)
 FOR CONTAINERS < 1 GALLON: ORM-D

HMS Hazardous Materials Identification System

Health	2
Flammability	0
Reactivity	0
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
111-76-2	2-Butoxyethanol (glycol ether)	10%

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