



# ENVIRO-CHEM Cx™

## Waste Odor Neutralizer

### DESCRIPTION

A concentrated, direct-contact, odor-neutralizing liquid formulated to prevent release of malodors resulting from decomposition of organic substances. Not a mask or perfume, Enviro-Chem Cx actually neutralizes odors at their source and helps prevent the release of new odors.

### FEATURES

- Neutralizes Odors
- Environmentally Compatible
- Enriches Compost
- Concentrated
- Easy to Use

### BENEFITS

- Prevents the creation of new odors, reducing the levels of volatile (airborne) nitrogen and sulfur compounds.
- Will not interfere with the natural decomposition process of solid waste. TCLP testing demonstrated that Enviro-Chem C creates no run-off problems.
- Zep Enviro-Chem Cs reduces the loss of nitrogen to the atmosphere.
- May be diluted with water up to 1:1000, depending on strength of odor and frequency of application.
- Use low pressure equipment adjusted to dispense a wet spray -- anything from a garden sprayer (Zep Model 3P-C) to large spray equipment such as a water truck or crawler tractor with spray booms attached to the blade.

### APPLICATIONS

Apply solutions of Zep Enviro-Chem Cx directly to odor-generating surfaces in landfills (faces, leachate breakout, tipping floors, conveyors), compost windrows, refuse in transfer stations, exhumation sites in landfills, sludge beds of sewage treatment plants, waste lagoons, compactors, or truck wash reclaim pits to remove/eliminate odors. Also effective in controlling odors on concrete floors of transfer stations, in and around compactors, in the tanks of water trucks used to apply dust control agents to roadways, and street sweepers cleaning paved roads around landfills and treatment plants. Particularly useful in the industries of :

Car Washes	Dairy Farms	General Farms
Livestock Farms & Yards	Marine Products	Meat Packing Plants
Mining	Paper Mills	Poultry & Egg Farms
Railroads	Sanitary Services	Sewage Systems - Waste Treatment Plants
Truck Wash	Wood Products	

### COMPANION PRODUCTS

Zep Prevail, Zep 3P-C Sprayer, Zep Mixing Drum, 5-7 Gallon Solvent Pail Pump, Zep Vue Guard Safety Goggles, Zep AF-18 Nitrile Gloves

### SPECIFICATIONS

Physical Form . . . . .Liquid	Flash Point (TCC) . . . . .None to boiling
Color . . . . .Green	Shelf Life . . . . .1 year minimum
Odor . . . . .Slight	Refractive Index . . . . .1.3798 @ 30°C.
pH (Concentrate) . . . . .2.2	D.O.T. Shipping Label . . . . .None
Density-Specific Gravity . . . . .9.0131 lbs./gal. - 1.082	

### PACKAGING

Yellow Gallon  
Drums



PRODUCT LABEL

PROD. #4257  
1194

ENVIRO-CHEM Cx™  
Waste Odor Neutralizer

ZEP ENVIRO-CHEM Cx™  
WASTE ODOR NEUTRALIZER

PROD. #4257  
594A



ZEP MANUFACTURING COMPANY  
ATLANTA, GA 30301  
A Division of Acuity Specialty Products Group, Inc.  
CLEAN ACROSS AMERICA  
AND THROUGHOUT THE WORLD™



BEFORE USING THIS PRODUCT,  
PLEASE READ THIS ENTIRE LABEL.

KEEP OUT OF REACH OF CHILDREN  
FOR INDUSTRIAL AND INSTITUTIONAL  
USE ONLY  
NOT FOR HOUSEHOLD USE OR RESALE

PRECAUCION

AL USUARIO: Si usted no lee inglés, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.  
(TO THE USER: If you cannot read English, do not use this product until the label has been fully explained to you.)

This product is designed exclusively for industrial and institutional use by trained, professional maintenance personnel. Label directions and precautions must be followed exactly. Zep Manufacturing Company will not be responsible for any injury, loss, or damage if product is used in any manner not in compliance with label directions, or if precautions are not observed.

HMS RATINGS

HEALTH	2	4 EXTREME 3 SERIOUS
FLAMMABILITY	2	2 MODERATE 1 SLIGHT
REACTIVITY	0	0 MINIMAL
PERSONAL PROTECTION EQUIPMENT	B	Glasses & Gloves

Zep Enviro-Chem Cx is a contact chemical, as opposed to a masking agent, so it is important to ensure that the product is evenly integrated into the odorous material. Within a given application, individual site conditions may vary. The following directions are intended to serve as a general guideline for product usage. For specific application instructions, please contact the Zep Manufacturing Technical Services Department in Atlanta, Georgia at (404) 352-1413.

DIRECTIONS:

**Water Trucks/Street Sweepers:** Zep Enviro-Chem Cx can be added to the water tanks of these units to help control odors while the units control dust from the site.

**For Use in Pump-up Sprayer:** Dilute 1 part Zep Enviro-Chem Cx with 100 parts water. Set nozzle for coarse, wet spray. To control odors, apply to waste or surface to adequately make contact without wetting completely.

**For Use in Compost:** Dilute 1 gallon of Zep Enviro-Chem Cx with 100 gallons water. Apply this to every 100 cubic yards of compost as the windrows are being formed. Repeat this for the first two window turnings for a total of three applications.

**For Use on Landfill Active Facets:** Dilute 1 gallon of Zep Enviro-Chem Cx with 500 - 1000 gallons water. Spray exposed waste to adequately make contact without wetting completely. In a typical application, 1 gallon of diluted product will treat approximately 100 square feet of landfill surface.

**For Use in Transfer Stations:** Incoming waste- Dilute 1 gallon of Zep Enviro-Chem Cx with 100 - 500 gallons water. Spray to adequately make contact without wetting completely. In a typical application, 1 gallon of diluted product will treat approximately 42 tons of waste.

**Surfaces:** A solution of 1 gallon per 100 gallons of water sprayed or mopped onto concrete floor will effectively eliminate odors from absorbed liquids.

**For Use in Landfill Exhumation:** Dilute 1 gallon of Zep Enviro-Chem Cx with 100 - 500 gallons water. Spray waste as it is being exhumed to adequately make contact without wetting completely. In a typical application, 1 gallon of diluted product will treat approximately 42 tons of exhumed waste.

**For Use in Waste Lagoons:** Retention ponds and lagoons holding liquid wastes can be treated with Zep Enviro-Chem Cx to control odors. The amount needed will vary depending on the type and level of liquid waste. A starting point is 1 quart of Zep Enviro-Chem Cx per 1000 gallons of liquid waste. After initial shock, apply as needed (approximately 1/2 ounce per 1000 gallons).

**Truck Washing Reclaim Pits:** As little as 1 gallon added to a 2000 gallon pit will greatly reduce or eliminate odors from the pit as well as in wash bays.

**Trash Compactors/Dumpsters:** In conjunction with the Zep Watch Dog dispenser, application of a solution of 1 gallon Zep Enviro-Chem Cx per 100 gallons of water will control odors from refuse in the compactor/dumpster. Also, occasional application of this solution to the concrete pad will help control odors from absorbed liquids.

**Equipment Note:** Zep Enviro-Chem Cx, in its undiluted form, is corrosive to metals. DO NOT use metal or metal-lined drum pumps to remove the product from the drum. The use of plastic pumps is advised. Zep Enviro-Chem Cx, once diluted as recommended, is compatible with metals.

WARNING!

CAUSES IRRITATION

Can cause severe skin and eye irritation or inflammation. Inhalation of spray mists or vapors may cause respiratory tract irritation. DO NOT breathe vapors or spray mist. DO NOT swallow this product. Repeated exposure can have cumulative effects. Exposure may aggravate existing skin, eye, or respiratory disorders. Further information on the effects of overexposure is included on the Material Safety Data Sheet, which is available upon request.

Zep advocates limiting exposure to all chemical products. Wear tight-fitting, safety glasses during product use and when eye contact is possible, especially contact lens wearers. Wear nitrile, neoprene, natural rubber, or other resistant gloves. Use product in well-ventilated areas only; open windows/doors and use exhaust fans in enclosed areas. Remove contaminated clothing promptly and DO NOT rewear until thoroughly cleaned. After handling wash hands thoroughly with soap and water.

FIRST AID:

**EYES:** Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.

**SKIN:** Immediately flush contaminated skin with plenty of water for at least 15 minutes. Get medical attention immediately.

**INHALATION:** Move exposed person to fresh air at once. If breathing has stopped, perform artificial respiration. Get medical attention immediately.

**INGESTION:** If this product is swallowed, DO NOT induce vomiting. If affected person is conscious give plenty of water to drink. Get medical attention at once.

**DISPOSAL AND/OR SPILL INFORMATION:** As with all cleaning and maintenance procedures, run-off from the cleaning or maintenance process should be diverted to a collection vessel, or where permitted, to a sanitary sewer (consult local and state regulations) and not allowed to soak into the ground or to enter a storm sewer. If this product is spilled or contaminated and cannot be used, creating the need for disposal, absorb product on an inert absorbent material, such as Zep-O-Zorb, and deposit in a sealable container. Rinse area well with water.

**STORAGE:** Store tightly-closed container in dry area at temperatures between 40° and 120° F. DO NOT store at temperatures below 32° F. Keep this product away from food and food products.

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