



PRODUCT SPECIFICATION REPORT

PROD. #0485
699

BIG ORANGE-E™

Citrus Industrial Degreaser, Deodorizer, and Graffiti Remover



DESCRIPTION

An organic, citrus fragranced, non-petroleum cleaner and degreaser. Formulated with biodegradable solvents, surfactants and emulsifiers to replace petroleum or chlorinated solvent-based products.

FEATURES

- Low toxicity
- Excellent solvency
- Pleasant fragrance
- Less hazardous drain cleaner
- Biodegradable
- High flashpoint
- USDA authorized

BENEFITS

- Natural and synthetic citrus-type solvents of less concern than petroleum distillates, chlorinated solvents or butyl cellusolve.
- Cuts grease and similar soils better than most petroleum distillates and chlorinated solvents.
- Leaves a fresh citrus fragrance; no objectionable petroleum solvent odors.
- Contains no caustics, acids, chlorinated hydrocarbons or chlorinated aromatic solvents.
- All ingredients are completely biodegradable.
- 148°F flashpoint; classified as RCRA non hazardous.
- Authorized for use on all surfaces in inedible product processing areas, non-processing areas and/or exterior areas of federally-inspected meat and poultry plants.

APPLICATIONS

Formulated to degrease molds, dies, and other industrial equipment. Effectively emulsifies tar and asphalt, and removes many industrial glues and protective coatings. Good cleaner for unpainted concrete floors, and for removing scuff and rubber tire marks and as a spotter and gum remover for carpets. May damage some plastic and/or painted surfaces. Test on an inconspicuous area before general use.

Cleaning & Maintenance Services
Eating & Drinking Establishments
Health & Allied Services

Hotels & Motels
Meat Packing Plants
Nursing Homes & Hospitals

Operators of Apartment Buildings
Sanitary Services
Schools & Educational Services
Sewage Systems - Waste Treatment Plants

COMPANION PRODUCTS

Zep Concentrated Glass Cleaner, Zep Bowl Shine, Zep Mildew Stain Remover, Zep Quick, Zep Acclaim, Zepynamic-A, Zep Spectra Clear Glasses, Zep Nitrile Gloves

SPECIFICATIONS

Physical Form Thin, citrus solvent-based liquid
Color Clear, orange
Fragrance Citrus
pH (use dilution of 2 oz./gal.) 7.0 - 8.0

Shelf Life 1 year minimum
Density/Specific Gravity 6.7 lbs/gal. - 0.807
Flash Point (TCC) 148°F (65°C)
D.O.T. Shipping Label None

PACKAGING

Quarts
Metal Gallons
Drums

ZEP MANUFACTURING COMPANY

Your One Source for Cleaning and Maintenance Products

1-877-I BUY ZEP
(1-877-428-9937)



An AcuityBrands Company

PRODUCT LABEL

PROD. #0485
699

BIG ORANGE-E™

Citrus Industrial Degreaser, Deodorizer, and Graffiti Remover

PROD. 0485
500D



ZEP MANUFACTURING COMPANY
ATLANTA, GA 30301
A Division of Acuity Specialty Products Group, LLC
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**

PRECAUTION

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

BIG ORANGE-E CITRUS INDUSTRIAL DEGREASER, DEODORIZER AND GRAFFITI REMOVER

- CONTAINS NO CAUSTICS, ACIDS OR PETROLEUM SOLVENTS
- NO CHLORINATED SOLVENTS
- PHOSPHATE FREE
- BIODEGRADABLE
- BLENDED OF BIOLOGICALLY DEGRADABLE ORGANIC DEGREASERS, DETERGENTS, AND EMULSIFIERS DILUTE EASILY WITH WATER

DIRECTIONS

DEGREASER FOR CONCRETE FLOORS AND EQUIPMENT - Floors: Depending on amount of soil, apply undiluted product or prediluted with water (up to 2 oz. per gallon) to soiled area. Scrub as necessary with brush or floor machine. Rinse thoroughly. Pick up with mop and wringer, or wet pick-up vacuum. Greasy Equipment and Parts: Brush, wipe or spray undiluted product onto soiled areas, agitate where necessary. Rinse thoroughly with strong stream of water, preferably high pressure or steam. **NOTE:** May damage some plastic, rubber, and/or painted surfaces. Test on an inconspicuous area before general use.

SEWAGE TREATMENT AND REMEDIATING PLANTS: May be used straight or prediluted with water before use. May be applied directly or set up on automatic drip for constant control.

DRAIN AND GREASE TRAPS: To unclog drains pour 3 oz. of Zep Big Orange-E into drain and allow to stand for one hour. Flush with hot water. To prevent grease buildup once a week pour 2 to 4 oz. Zep Big Orange-E into drains and after one hour flush with water.

CAUTION: DO NOT use Zep Big Orange-E in conjunction with a drain, i.e. (Zep Flo) drain openers.

ODOR CONTROL: For general odor control, dilute 4 oz. of Zep Big Orange-E per gallon of water and spray refuse dumps, wash cans, dumpsters, etc.

GRAFFITI REMOVAL AND CLINGING DEGREASER: Prepare a thickened emulsion by mixing 3 parts Zep Big Orange-E with 1 part cold water. Agitate thoroughly by stirring or shaking to develop a milky, homogeneous, thick liquid. Pour emulsion into trigger pressure sprayer, such as a Zep Model 6400, for small jobs; or Zep Model 9-C or 3P-C for large jobs. Thoroughly coat graffiti with the emulsion. Allow it to remain in contact for 5-10 minutes. Agitate stubborn spots with a stiff brush or nylon scouring pad when necessary, and when no danger of scratching surface exists. Rinse thoroughly with a strong stream of water.

CARPET SPOTTING AND GUM REMOVAL: **Spotting -** Wet carpet surrounding spot, then blot with absorbent towel wetted with product. **Gum Removal -** Using towel wetted with product, wet and rub gum to soften and remove.

NOTE: DO NOT overly wet foam rubber backed carpet as solvent may cause backing to deform and "bubble" carpet.

Can cause severe eye irritation. DO NOT swallow this product. Exposure may aggravate existing skin 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, especially contact lens wearers. The use of natural rubber, nitrile, neoprene, or other resistant gloves is strongly recommended for prolonged use. Use product in well-ventilated areas only; open window/doors and use exhaust fans in enclosed spaces. Remove contaminated clothing promptly and DO NOT rewear until thoroughly cleaned. After handling, wash hands thoroughly with soap and water.

WARNING!

COMBUSTIBLE
CAUSES EYE IRRITATION

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: Wash contaminated skin immediately and thoroughly with soap or mild detergent. Apply a skin cream. Consult a physician if irritation develops.

INHALATION: Move exposed person to fresh air. If irritation persists, get medical attention immediately.

INGESTION: If product is swallowed, DO NOT induce vomiting. If vomiting occurs, keep head below hips to prevent aspiration (breathing) of liquid into the lungs. Get emergency medical attention immediately.

DISPOSAL AND/OR SPILL INFORMATION: As with all cleaning and maintenance procedures, run-off from the cleaning or maintenance process should be directed 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, contact the manufacturer for disposal, absorb product on an inert absorbent material, such as Zep-O-Zorb or Zep Super Sorbent, and deposit in a clearly sealable container for disposal. Rinse area well with water.

COMBUSTIBLE: Keep away from heat, spark, open flame or any source of ignition.

STORAGE: Store in a cool area away from direct sunlight. Keep container tightly closed at all times when not in use to decrease evaporation of volatile solvents.

BIODEGRADABLE: All detergents used in the manufacture of this product are biodegradable.

ZEP MANUFACTURING COMPANY

Your One Source for Cleaning and Maintenance Products

1-877-1 BUY ZEP

(1-877-428-9937)