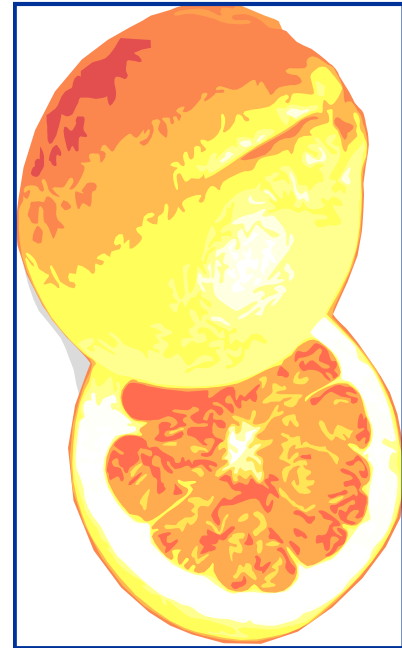


# BIG "O"

## MULTI-PURPOSE ORGANIC SOLVENT

**BIG "O"** is a premium grade, biodegradable solvent based cleaner, degreaser and drain maintainer. **BIG "O"** emulsifies grease, tar, oil adhesives, resin and much more. **BIG "O"** surfactant system lifts, suspends and keeps dirt particles in suspension which allows the suspended particles to easily be flushed away with water. **BIG "O"** eliminates offensive malodors. It is environmentally friendly and safe for cleaning most surfaces. **BIG "O"** eliminates the need for having four or five products on your shelf. It is the only cleaner needed for housekeeping, institutional maintenance, industrial applications, water treatment, transportation, grounds and construction maintenance. **BIG "O"** won't let you down, its one of our most popular items.



FOR USE BY:	FOR USE ON:	FEATURE-BENEFIT:
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Apartments	Asphalt	Concentrated
Automotive	Concrete	Economical
Building Maint.	Chassis	Safe
Factories	Drains	Biodegradable
Food Manufacturing	Engines & Parts	Versatile
Golf Courses	Fleets	Reduces Inventory
Grounds Crews	Heavy Equipment	Pressure Washing
Hospitals	Grease Traps	Non-Abrasive
Hotels/Motels	Ovens & Ranges	Non-Toxic
Housekeeping	Walls & Floors	Non-Toxic
Landfills	Furniture	Non-Hazardous
Maint. Operations	Tile	Non-Corrosive
Municipalities	Kitchens	No VOC
Parks and Rec	Woodwork	Non-Ozone Depleting
Schools	Tires	Will mix with Water
Street Dept.	Stainless Steel	
Highway Dept.	Spray Tanks (Dye)	
Transportation	Paint	
WWTP	Aluminum	
	Titanium	
	Brass/Copper	

### DIRECTIONS:

**General Industrial Degreasing:** Dilute with water 64-1 for general cleaning and less dilution for tough industrial cleaning. Shake well after diluting before applying.

**Tar and Asphalt Remover:** Spray undiluted Big O directly on item to be cleaned and allow to set for 5 minutes. Agitate with brush if necessary and hose off with warm water.

**Drain Maintainer:** Pour 8 oz. of Big O in drains. Allow to stand for one hour and flush with hot tap water.

### TECHNICAL DATA:

Appearance:	Clear, pale orange liquid
Odor:	Citrus
Flashpoint:	115° F
pH, neat:	N/A
Stability:	Store above 40° F

## BIG "O" MULTI-PURPOSE ORGANIC SOLVENT

### CONTACT INFORMATION

**OFFICE:**  
1-888-6PURITY (678-7489)  
FAX  
1-877-9PURITY (978-7489)  
**ADDRESS:**  
114 SOUTHFIELD PKWY  
SUITE 120  
FOREST PARK GA. 30297

# MATERIAL SAFETY DATA SHEET



## HAZARD RATINGS

Health: 1 Flammability: 1  
Reactivity: 0 Personal Protections: B

NOTICE: Judgment may be based on indirect test and technical literature. The OSHA Hazard Communication Standard only requires MSDS's and special labeling for materials defined as "HAZARDOUS"; see 29 CFR 1910.1200 (c). This document may be about a product which is NOT hazardous but is provided as information for our customers.

See references for information.

## SECTION I. PRODUCT IDENTIFICATION

Product Identifier: **Big-O** Product Identification # (PIF): 951  
Product VOC: 100% Emergency Telephone #: 1-800-535-5053  
Manufacturer's Name: Purity Chemicals, Inc. General Information #: 404-363-0767  
114 Southfield Pkwy., Suite 120 Prepared by: Sonya Lockhart  
Forest Park, GA 30297 Date Prepared: February 4, 2005

## SECTION II. HAZARDOUS INGREDIENTS

	CAS #	OSHA/PEL	TLV	STEL	max. %
1. Terpene Hydrocarbon	5989-27-5	NE	NE	NE	85-95

## SECTION III. HEALTH HAZARD INFORMATION

.....Primary Routes of Entry:  Skin  Eyes  Inhalation  Ingestion

*Effects of overexposure:*

- Eye Contact: Liquid and vapor may cause eye irritation with redness, pain and tearing.
- Skin Contact: Causes defatting of the skin which can lead to irritation and dermatitis.
- Inhalation: Vapors may cause irritation to nose, throat, and respiratory tract.
- Ingestion: May cause stomach pain, nausea and vomiting, irritation of mouth and throat.

## SECTION IV. EMERGENCY FIRST AID

*Eyes:* Flush well with water for at least 15 minutes. Seek medical attention.

*Skin:* Wash with soap and water. If irritation develops, seek medical attention.

*Inhalation:* Move to fresh air.

*Ingestion:* Drink lots of water to dilute, **DO NOT INDUCE VOMITING.** Get medical help.

## SECTION V. FIRE & EXPLOSION DATA

Flammability: COMBUSTIBLE LIQUID Flash Point: 115° F Closed Cup  
Means of extinction: Foam, dry chemicals, CO<sub>2</sub>. Upper Flammability Limit (% by volume): 6.1  
Autoignition Temperature: ND Lower Flammability Limit (% by volume): 0.7

Hazardous combustion products: Carbon monoxide, carbon dioxide and smoke.

*Special Fire Fighting Procedures:* Smother to exclude air. Do not use water. Handle as an oil fire.

*Unusual Fire Fighting Hazard:* Combustible liquid, keep away from heat and open flames.

## SECTION VI. REACTIVITY DATA

Chemical stability: Stable

Hazardous polymerization: Will not occur.

Incompatibility with other substances: Strong oxidizing agents and acidic agents including acidic clays, peroxides, halogens, vinyl chloride, and iodine pent fluoride.

Reactivity, and under what conditions? Violently reacts with strong acids to release large amounts of heat.

Hazardous decomposition products: Carbon monoxide, carbon dioxide and smoke.

## SECTION VII. HANDLING & STORAGE

*Storage:* Keep container closed, when not in use. Keep away from heat, flame, or sunlight. Protect from physical damage.

*Handling:* Do not premix with other chemicals. Exercise reasonable care and precaution. Keep out of reach of children.

## SECTION VIII. EXPOSURE CONTROL/PERSONAL PROTECTION

Personal protective equipment: Use rubber gloves and eye protection.

Gloves (specify): Chemical resistant gloves

Respirator (specify): NA

Eye (specify): Chemical resistant eye ware

Footwear (specify): Chemical resistant shoes

Clothing (specify): Normal materials handling clothing.

Other: Always provide adequate ventilation.

## SECTION IX. SPECIAL PRECAUTIONS/ OTHER COMMENTS

Carefully read all instructions on label before handling this product. "FOR INDUSTRIAL USE ONLY"

## SECTION X. PHYSICAL DATA

Boiling point: >212°F

Vapor Density: (Air = 1): heavier than air

Specific Gravity, (water + 1.0): 0.843

pH, Neat: NA

% Volatile/ volume: 95%

Vapor Pressure: 1 mm Hg @ 20°C

Solubility: Dispensible

Evaporation Rate: slower than butyl acetate

*Description/odor:* Clear pale yellow liquid citrus odor.

## SECTION XI. TOXICOLOGICAL INFORMATION

*Effects of acute exposure to product:* Liquid and vapor irritating to eyes, skin and respiratory tract.

*Effects of chronic exposure to product:* Prolonged skin contact may result in defatting of the skin which can lead to dermatitis.

## SECTION XII. ECOLOGICAL INFORMATION

BIODEGRADABLE.....

## SECTION XIII. ACCIDENTAL RELEASE MEASURES/ DISPOSAL INFORMATION

Large spills cannot occur because of packaging. Eliminate all ignition sources. Material should be soaked onto absorbent and shoveled into metal waste containers.

Dispose of contaminated absorbent material in accordance to local, state and federal regulations. Do not release to open, public waters.

## SECTION XIV. TRANSPORT INFORMATION

Combustible liquid, n.o.s., NA1993, PG III

## SECTION XV. REGULATORY INFORMATION

### SARA TITLE III REPORTING REQUIREMENTS

SECTION 302: Not listed

SECTION 311: Immediate Health, Fire Hazard

SECTION 312: Immediate Health, Fire Hazard

SECTION 313: Not listed

CERCLA: Not Reportable.

RCRA: A waste containing this product may have the RCRA hazardous waste no. D001 (Ignitable) (40 CFR 261.22).

**The information contained herein is based on data available to us and is believed to be correct. We make no warranty, however, expressed or implied regarding the accuracy of these data or the results obtained from the use thereof. Regulatory Standards:** DOT TITLE 49, Code of Federal Regulations 172.101: Parts 100 to 177, Revised 10/1/92. 21 PARTS 170 to 199, Revised 4/1/91, 173.310.SUPER FUND AMENDMENTS REAUTHORIZATION ACT OF 1986, TITLE III TOXIC SUBSTANCE CONTROL ACT LIST (TSCA)-INGREDIENTS LISTED. REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES NATIONAL TOXICOLOGICAL PROGRAM (NTP) REPORT OF CARCINOGENS INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC) MONOGRAPHS, OCCUPATIONAL SAFETY & HEALTH REGULATIONS. CODE OF FED. REGS. FOOD & DRUG,