<b>ZEP</b>	Material Safety Data Sheet and Safe Handling and Disposal Information			
NFORCER Products Division of Acuity Specialty Products Group, Inc. P.O. Box 1060 Cartersville, GA 30120 -888-805-HELP www.zepcommercial.com		on 1. Chemica duct name		company Identification her & Degreaser Concentrate
		duct Code	HDCIT32/128	
		e of issue	01/21/05	Supersedes 12/10/03
	Tele	ergency ephone nbers	For MSDS Info Compliance Ser	ormation: vices (404) 352-1680
			For a Medical Emergency: INFOTRAC (877) 541-2016 (Toll Free - Calls Recorded)	
			CHEMTREC	ration Emergency: (Toll Free - Calls Recorded)
Printing Date:		pared by	Compliance Services Group Acuity Specialty Products Group 1420 Seaboard Industrial Blvd. Atlanta, GA 30318	
Section 2. Composition, Information on Ing	redien			
Name of Hazardous Ingredients		CAS #	% by Weigh	
D-LIMONENE - orange distillate; citrus terpene; cyclohexene, 1-methyl-4-(1-methylethenyl)-, (R)-		5989-27-5	1 - 5	Not established
DIETHYLENE GLYCOL MONOBUTYL ETHER; 2-(2-butoxyethoxy)-ethanol; butyl carbitol DIPROPYLENE GLYCOL N-BUTYL ETHER; 1-(2- butoxy-1-methoxy)- 2-propanol; glycol ether dpnb		141-43-5	1 - 5	OSHA PEL / ACGIH TLV (United States). TWA: 3 ppm 8 hour(s). OSHA /ACGIH (United States).
		112-34-5	1 - 5	STEL: 6 ppm 15 minute(s). Manufacturer (United States).
			1.0	TWA: 35 ppm 8 hour(s).
		29911-28-2	1 - 5	Not established
Section 3. Hazards Identification				HMIS
Acute Effects Routes of Entry I	Dermal	contact. Eye con	ntact.	Health 1
<ul> <li>Skin Hazardous in case of skin contact (irrit cause skin sensitization. Direct contac characterized by itching, scaling, or re</li> <li>Eyes Hazardous in case of eye contact (irrit</li> </ul>	t may ca ddening	ause irritation an g.	d redness. Skin inf	lammation is <b>Reactivity</b> (
watering, and itching. Inhalation Hazardous in case of inhalation. Avoi	d breath		-	Personal F
inhalation may cause respiratory irritat		rointactinal dist	rhanaac	
Ingestion May be harmful if swallowed. Can canCarcinogenicIngredients: Not listed as cardCarcinogenicIngredients: Not listed as card	-			
Effects Chronic Effects Prolonged or repeated contact toxic to blood, kidneys, lur (CNS) Remeated or prolon	ngs, liv	er, gastrointesti		nervous system
(CNS). Repeated of proton	gou one			

Product Code HDCIT32/128	Material	Safety Data Sheet	Product Name Citrus Cleaner & Degreaser Concentrate		
Section 4. First Aid Measur					
-	for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water east 15 minutes. Get medical attention.				
			water. Get medical attention if irritation develops.		
			ificial respiration. If breathing is difficult, give		
	n. Get medical attention.	not broading, give art	interar respiration. It breathing is difficult, give		
Ingestion Do NO			dical personnel. Never give anything by mouth to ely.		
Section 5. Fire Fighting Me	asures				
	cup: 51.111°C (124°F).	Flammable Limit	s Not determined.		
(Taglial					
Flammability Combus					
		·	of ignition (spark or flame).		
Fire-Fighting Procedures	Use DRY chemic proper protective		y or foam. Fire-fighters should wear		
Section 6. Accidental Relea					
	all ignition sources. Dilute briate waste disposal contain		ip, or absorb with an inert dry material and place ir		
Section 7. Handling and St	-				
			es. Avoid prolonged or repeated contact with skin		
	erve label precautions. Wasl		e ventilation. Do not ingest. Do not reuse produc		
			ightly closed and sealed until ready for use. Avoid		
			$40^{\circ}$ F - $120^{\circ}$ F ( $4.4^{\circ}$ C - $49^{\circ}$ C). Keep out of the reach		
	Personal Protection		Protective Clothing (Pictograms)		
<b>Eyes</b> Safety glasses.					
	ended: Nitrile gloves. Rubbe	er gloves. Neoprene			
gloves. <b>Respiratory</b> Use with adequate	e ventilation. A respirator is	not needed under norr	nal and intended conditions of product use.		
Section 9. Physical and Ch	emical Properties		*		
Physical State Liquid.			Color Amber.		
pH 11.0-12.0			Odor Citrus		
Boiling Point Not determ	ined.	Va	por Pressure Not determined.		
Specific Gravity 1.01 (Wate			apor Density Not determined.		
Solubility Soluble in cold water, hot water.			oration Rate 1 compared to water		
Soluble in t	cold water, not water.		(Consumer) 40.33 (g/l). 0.34 lbs/gal 4.00%		
Section 10. Stability and Re	eactivity				
Stability and Reactivity	The product is stable.				
Incompatibility	Slightly reactive to reacti	ve with oxidizing ager	nts, alkalis. Keep away from heat, sparks and flame.		
Hazardous Polymerization	Will not occur.				
Hazardous Decomposition Products		ese products are carbon oxides (CO, CO <sub>2</sub> ), nitrogen oxides (NO, NO <sub>2</sub> ).			
Section 11. Toxicological II	nformation				
Toxicity to Animals	d-Limonene:				
	ORAL (LD50):	Acute: >5000 mg/kg []	Rat].		
	. ,	Acute: >5000 mg/kg []			
	Monoethanolamine:	-			
		Acute: 1720 mg/kg [R	at.].		
	Diethylene Glycol Mono				
	ORAL (LD50): Acute: 5660 mg/kg [Rat]. 2400 mg/kg [Mouse].				
	DERMAL (LD50):	Acute: 2700 mg/kg [R	abbit].		

Product Code HDCIT32/128	Material Safety Data Sheet	Product Name Citrus Cleaner & Degreaser Concentrate		
Section 12. Ecological li	nformation			
	wailable. vailable.			
Section 13. Disposal Co	nsiderations			
Waste Information	Waste must be disposed of in accordance with regulations.	federal, state and local environmental control		
Waste Stream	Code: D001 Classification: - (Hazardous waste.) Origin: - (RCRA waste.)			
Consult your local or regi				
Section 14. Transport In	formation			
Proper shipping name	Not regulated.			
DOT Classification	Not a DOT controlled material (United States).			
UN number	Not regulated.			
TDG Classification	Not a TDG controlled material.			
Section 15. Regulatory I	nformation			
<b>U.S. Federal Regulation</b>	s SARA 313 toxic chemical notification and release re	eporting:		
	Diethylene Glycol Monobutyl Ether (Certain Glycol Ethers)			
	Clean Water Act (CWA) 311: No products were fou	nd.		
	Clean air act (CAA) 112 regulated toxic substances:	Diethylene Glycol Monobutyl Ether		
State Regulations	California prop. 65: No products were found.			
WHMIS (Canada)	Class B-3: Combustible liquid with a flash point between 37.8°C (100°F) and 93.3°C (200°F). Class D-2B: Material causing other toxic effects (TOXIC).			

## Section 16. Other Information

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.