

Chemical Name: Orange Away

Manufacturer: Total Solutions

Container size: 15oz.

Location: VLA

Disposal: Place empty container in trash.

MATERIAL SAFETY DATA SHEET

Bio Chem, Inc. P.O. Box 521925 SLC, UT84152 - USA

GENERAL INFORMATION NUMBER: 1-800-653-9795



REVISION DATE: September 23, 2002 DATE OF ISSUE: October 16, 2002

\mathbf{O}	I - Product Identification									
PROD CHEM NFPA	nge Degreaser OUCT CODE: 0378 MICAL FORMULATION: Citrus ba HAZARD IDENTIFICATION SY RD RATING: 4 - Extreme;	STEM: HEALTH: 1		FLAMMABILITY: 2 - Moderate; 1 - Slight;				REACTIVITY: (0 - Insignificant		
		II - Ha	azardous Ingr	edients						
	Values reported as TWA unless noted. APPROX OSHA ACGIH EPA 40 CFR:									
	SUBSTANCE	<u>%</u>	PEL	TLV	<u>302</u>	<u>355</u>	372	<u>CAS #</u>		
Poly (oxyethylene) nonylphenol		1.00-5.00	N/E	N/E	Ν	Ν	Ν	9016-45-9		
Ethoxylated octyl phenol		1.00-10.0	N/E	N/E	Ν	Ν	Ν	9036-19-5		
d-Lim	onene	85.0-95.0	N/E	N/E	Y	Ν	Ν	5989-27-5		
	355: SARA TITLE III / List of Extr 372: SARA TITLE III / List of Toxi	•			-					
	572. SHICK ITTEL III / EISt OF TOX	II	I - Physical D	ata						
BOII	LING POINT (°F): N/E	II	Ť	ata IFIC GRAVITY	Y (WATH	E R = 1):	0.845			
		II	SPEC)		
VAPO	LING POINT (°F): N/E	II	SPEC VOC	IFIC GRAVITY	by weig	ht): 85.0)0-90.00			
VAPO VAPO	LING POINT (°F): N/E OR PRESSURE (mm Hg): N/D	II	SPEC VOC	IFIC GRAVITY CONTENT (% ORATION RA	by weig	ht): 85.0)0-90.00			
VAPO VAPO SOLV	LING POINT (°F): N/E OR PRESSURE (mm Hg): N/D OR DENSITY (AIR = 1): N/E		SPEC VOC EVAP pH: N	IFIC GRAVITY CONTENT (% ORATION RA	by weig	ht): 85.0)0-90.00			
VAPO VAPO SOLU	LING POINT (°F): N/E OR PRESSURE (mm Hg): N/D OR DENSITY (AIR = 1): N/E UBILITY IN WATER: Emulsifies	ter-white liquid;	SPEC VOC EVAP pH: N	IFIC GRAVITY CONTENT (% ORATION RA /A	by weig TE (WA'	ht): 85.0)0-90.00			

V - Reactivity Data

STABILITY: Stable **INCOMPATIBILITY:** Strong oxidizing agents.

CONDITIONS TO AVOID: None

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may yield oxides of carbon.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: None

VI - Health Hazard Data

ROUTES OF ENTRY INHALATION: EYE CONTACT: X SKIN CONTACT: X INGESTION: X INGREDIENTS THAT ARE CONSIDERED BY OSHA, NTP, IARC TO BE SUSPE CTED HUMAN CARCINOGENS: None EFFECTS OF OVEREXPOSURE

IF IN EYES: Moderate to severe irritation, redness and possible tearing.

IF ON SKIN: Irritation, chapping and dermatitis, with prolonged or repeated exposure. Contains a possible sensitizer.

IF SWALLOWE D: Nausea, cramps, diarrhea. Small amounts of this product aspirated into the respiratory system during ingestion or vomiting may cause mild to severe pulmonary injury, possibly progressing to death.

IF INHALED: Irritation of the respiratory tract, coughing and headache.

EMERGENCY AND FIRST AID PROCEDURES

IF IN EYES: Flush eyes and under eyelids with plenty of cool water for at least 15 minutes. If irritation persists, obtain medical attention. **IF ON SKIN:** Remove contaminated clothing and launder separately before re-use. Wash with soap and water. If irritation persists, obtain medical attention.

IF SWALLOWED: Call a physician or poison control center immediately. Do not induce vomiting. Rinse mouth with water, then drink one glass of water. Never give anything by mouth to an unconscious person.

IF INHALED: Remove person to fresh air. If irritation persists, obtain medical attention.

VII - Spill or Leak Protection

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Ventilate area and extinguish all s ources of ignition. Contain spill. Soak up with inert absorbent and place in a properly labeled closed container for disposal.

WASTE DISPOSAL METHOD: Consult local environmental authorities.

VIII - Special Protection Information

LOCAL: Recommended

RESPIRATORY PROTECTION: Use with adequate ventilation.

VENTILATION

PROTECTIVE GLOVES: Chemical resistant.

EYE PROTECTION: Chemical goggles or safety glasses.

OTHER PROTECTIVE EQUIPMENT: Protective clothing, eye wash station.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Store in a cool, dry place, away from heat or open flame. Keep container tightly closed when not in use.

OTHER PRECAUTIONS: Keep out of reach of children. Do not cut or weld on empty containers as they may contain combustible residue.

IX - Transportation Information (ground transportation only)

DOT PROPER SHIPPING NAME: None **DOT CLASS:** None

The shipping information listed above applies only to non-bulk (< 119 gallons) containers of this product. This product may have more than one proper shipping name depending on packaging, product properties, & mode of shipment. If any alteration of packaging, product, or mode of transportation is further intended, different shipping names and labeling may apply.

REVISION DATE: September 23, 2002

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MECHANICAL: Not required

DOT PACKING GROUP : None

DATE OF ISSUE: October 16, 2002

Prepared by: PMR

DOT ID NUMBER: None