

ETOWAH CHEMICAL
SALES & SERVICE
P.O. BOX 4416
GADSDEN, AL 35904-0416
(800) 848-8541



N. F. P. A.
4 = Extreme
3 = High
2 = Moderate
1 = Slight
0 = Insignificant

HEALTH	2
FIRE	2
REACTIVITY	0
PERSONAL PROTECTION	B

Material Safety Data Sheet

24 Hour Emergency Telephone Number: (800) 535-5053

SECTION I - IDENTIFICATION

Product Name	CITRUS CLR. (94%)	Date last Revised	AUG 2009
Chemical Family	SOLVENT BASED CLEANER	Item Number	
Proper D.O.T. Shipping Name	FLAMMABLE LIQUID, n.o.s.		
D.O.T. Hazard Classification	3, UN-1993, PGII, (TERPENE HYDROCARBON)		

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

% By Weight	Material	PEL	T. L. V.	C. A. S. No.
< 94	de-LIMONENE	NE	NE	5989-27-5
	Balance non-hazardous ingredients			

SECTION III - PHYSICAL DATA

Boiling Point	IBP 345 DEG. F	pH (Conc.)	N/A
Solubility In Water	EMULSIFIES	pH (Use Dilution)	N/A
% Volatility By Weight	90-95	Evaporation Rate	ETHER= 1 >1
Specific Gravity	0.835	Physical Form	LIQUID
Appearance And Odor	CLEAR, RED: CITRUS ODOR		

SECTION IV - FIRE AND EXPLOSION DATA INGREDIENTS/IDENTITY

Flash Point	117.0-122.0 DEG. F
Extinguishing Media	ALCOHOL FOAM, CARBON DIOXIDE, DRY CHEMICAL, WATER FOG.
Flammable Limits	LOWER-0.7% UPPER-6.1%
Special Fire Fighting Procedures	WEAR SELF-CONTAINED BREATHING APPARATUS WITH A FULL FACE PIECE OPERATED IN THE POSITIVE PRESSURE MODE WHEN FIGHTING FIRES.
Unusual Fire and Explosion Hazards	VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL ALONG THE GROUND AND BE IGNITED BY FLAMES AND IGNITION SOURCES DISTANT FROM MATERIAL HANDLING POINT.

SECTION V - REACTIVITY DATA

Stability	STABLE
Conditions to Avoid	HEAT AND OPEN FLAMES
Incompatibility	OXIDIZING AGENTS
Hazardous Decomposition Products	CARBON MONOXIDES AND CARBON DIOXIDE
Hazardous Polymerization	WILL NOT OCCUR

SECTION VI - HEALTH HAZARD	
Routes(s) of Entry	Inhalation? NO Skin? YES Ingestion? NO
Health Hazards (Acute and Chronic)	EYES : CAN CAUSE MODERATE TO SEVERE IRRITATION. SKIN: PROLONGED CONTACT CAN CAUSE MODERATE IRRITATION. INHALATION: EXCESSIVE BREATHING OF VAPORS MAY CAUSE HEADACHE AND RESPIRATORY IRRITATION. INGESTION: MAY CAUSE DIARRHEA, NAUSEA, VOMITING.
Carcinogenicity	NTP? NO IARC Monographs? NO OSHA Regulated? NO
Emergency Aid and First Aid Procedures	OR EYES: FLUSH WITH WATER FOR 15 MINUTES OCCASIONALLY LIFTING THE LOWER AND UPPER LIDS. GET MEDICAL ATTENTION IF IRRITATION PERSISTS. INHALATION: MOVE EXPOSED PERSON TO FRESH AIR. INGESTION: CALL A PHYSICIAN IMMEDIATELY. ONLY INDUCE VOMITING AT THE INSTRUCTION OF A PHYSICIAN. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.
SECTION VII - SPILL OR LEAK PROCEDURES	
Spill Response	SMALL SPILL: ABSORB ON VERMICULITE OR OIL DRY. LARGE SPILL: ELIMINATE ALL IGNITION SOURCES. PERSONS NOT WEARING PROTECTIVE EQUIPMENT SHOULD BE EXCLUDED FROM THE AREA OR SPILL.
Waste Disposal Method	DILUTE WITH WATER AND ADJUST PH WITH ACID TO A PH BELOW 9.0, THEN FLUSH TO SANITARY SEWER, OR SEND TO SANITARY LANDFILL FOLLOWING LOCAL, STATE AND FEDERAL LAWS.
SECTION VIII - SPECIAL PROTECTION INFORMATION	
Eye Protection	SAFETY GLASSES
Skin Protection	GLOVES: NITRILE OR NEOPRENE.
Ventilation	MAINTAIN LOCAL VENTILATION TO KEEP TLV'S OF COMPONENTS BELOW THE THRESHOLDS.
Respiratory Protection	REQUIRED ONLY IN AREAS OF HIGH VAPOR CONCENTRATIONS OR IN AREAS WITH LITTLE VENTILATION.
Other Protection	NEOPRENE APRONS IF USED IN LARGE QUANTITIES.
SECTION IX - SPECIAL PRECAUTIONS	
Precautions in Handling and Storage	CONTAINERS OF THIS PRODUCT MAY BE HAZARDOUS WHEN EMPTIED BECAUSE OF RESIDUES (VAPORS).
Other Precautions	STORE AT ROOM TEMPERATURE. KEEP CONTAINERS CLOSED WHEN NOT IN USE. DO NOT ALLOW PRODUCT TO FREEZE.
PREPARED BY: David Brunton, Chemist	
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