



MATERIAL SAFETY DATA SHEET
M.S.D.S. Prepared to comply with O.S.H.A.
Hazard Communication Standard,
29 CFR 1910.1200

HAZARD RATING	
0 = Insignificant	Health 2
1 = Slight	Fire 0
2 = Moderate	Reactivity 0
3 = High	
4 = Extreme	

PROD NAME: **ORANGE PLUS** Prod No.: 147 Date Revised: 7/2004

SECTION I: MANUFACTURER'S INFORMATION

Manufactured By: LAWTON BROS., INC.	EMERGENCY PHONE NO.: INFOTRAC 1-800-535-5053
Street Address: 2515 Dinneen Ave.	Information Phone No.: 1-407-291-2501
Mailing Address: P.O. Box 547635	Product Type: CLEANER DEGREASER
City/State/Zip Orlando, FL. 32854-7635	Formula Type: EMULSIFIABLE SOLVENTS

SECTION II: HAZARDOUS INGREDIENT INFORMATION

HAZARDOUS COMPONENTS	C.A.S. REG NOS.	OSHA PEL	ACGIH TLV	WT.% MAX
D-LIMONENE	5989-27-5	NA	NA	80.00
ETHYLENEGLYCOLMONOBUTYLEETHER	111-76-2	50 ppm	25 ppm	5.00

HAZARDOUS COMPONENTS LISTED ARE SUBJECT TO REPORTING REQUIREMENTS OF SECTION 313 OF SARA TITLE III AND 40 CFR PART 372.

SECTION III: PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: 310°F	Evaporation Rate vs H₂O: SLOWER	Viscosity: WATER THIN	Specific Gravity: .881
Freezing Point: < 32°F	Vapor Density vs Air: NA	Solubility in H₂O: DISPERSIBLE	pH @ 25°C: NA

Appearance and odor: ORANGE, WATER THIN LIQUID WITH PLEASANT ORANGE CITRUS FRAGRANCE.

SECTION IV: FIRE AND EXPLOSION HAZARD DATA

Flash Point (method used): 115°F TCC	Flammable Limits	LEL .7%	UEL 6.1%
Extinguishing Media: CO ₂ , FOAM AND DRY CHEMICAL.			
Special Fire Fighting Procedure: SCBA RECOMMENDED; SMOTHER TO EXCLUDE AIR. DO NOT USE WATER. HANDLE AS AN OIL FIRE CLASS B FIRE PROCEDURES.			
Unusual Fire & Explosion Hazards: COMBUSTIBLE LIQUID. KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAME.			

SECTION V: REACTIVITY DATA

Stability: STABLE	Incompatibility: DO NOT MIX WITH ANY OTHER CHEMICALS NOT RECOMMENDED ON LABEL.
Hazardous Decomposition Products (thermal): ORGANIC ACIDS AND OXIDES OF CARBON.	

SECTION VI: HEALTH HAZARDS, SIGNS OF OVEREXPOSURE OR ACCIDENTAL CONTACT

Eyes: WILL CAUSE CORNEA DAMAGE. REDNESS AND SHARP EYE PAIN ARE SYMPTOMATIC.
Skin: WILL CAUSE IRRITATION.
Inhalation: OVEREXPOSURE CAN CAUSE LIVER AND KIDNEY INJURY. DIZZINESS, HEADACHE AND NAUSEA MAY BE SYMPTOMATIC.
Swallowing: ULCERATION TO INTERNAL BODY TISSUE. SEVERE STOMACH PAIN, DIZZINESS, HEADACHE AND NAUSEA MAY BE SYMPTOMATIC.
Carcinogenicity: THIS PRODUCT IS NOT A SUSPECTED CARCINOGEN BASED ON COMPONENT DATA.

SECTION VII: EMERGENCY FIRST AID PROCEDURES

Eyes: FLUSH WITH COOL WATER FOR 15 MINUTES. GET IMMEDIATE MEDICAL HELP.
Skin: RINSE WITH WATER.
Inhalation: FOR OVEREXPOSURE, REMOVE FROM AFFECTED AREA. IF SYMPTOMS PERSIST, GET MEDICAL HELP.
Swallowing: DO NOT INDUCE VOMITING. GET IMMEDIATE MEDICAL HELP.

SECTION VIII: PERSONAL PROTECTION INFORMATION

Protective Equipment: IT IS RECOMMENDED TO WEAR RUBBER GLOVES AND PROTECTIVE EYEWEAR WHEN USING THIS OR ANY CHEMICAL CLEANING PRODUCT. IF SPRAY APPLYING, VENTILATION AND BREATHING PROTECTION IS RECOMMENDED.

SECTION IX: SPILL OR LEAK PROCEDURES

If Spilled or Released: MOP UP OR USE ABSORBENT SWEEPING COMPOUND. PROPERLY CONTAIN WASTE.
Waste Disposal Method: DISPOSAL SHOULD BE IN ACCORDANCE WITH STATE AND FEDERAL WASTE DISPOSAL LAWS.

SECTION X: STORAGE AND HANDLING INFORMATION

STORE IN ORIGINAL CLOSED CONTAINER IN COOL AREA. KEEP OUT OF REACH OF CHILDREN.

SECTION XI: D.O.T. HAZARD CLASS AND SHIPPING NAME

Hazard Class: NONE.
Proper Shipping Name: NOT REGULATED.