

MATERIAL SAFETY DATA SHEET
 May be used to comply with OSHA's Hazard
 Communication Standard,
 29CFR 1910.1200. Standard must
 be consulted for specific requirements.

U.S. Department of Labor
 OCCUPATIONAL SAFETY AND
 HEALTH ADMINISTRATION

SIMILAR TO FORM OSHA 174

IDENTITY (As Used on Label and List) TITAN GREEN™ MULTIPURPOSE CLEANER	ACUTE HEALTH NFPA 1	FIRE 0	REACTIVITY 0
LEAST = 0, SLIGHT = 1, MODERATE = 2, HIGH = 3, EXTREME = 4			

Section 1

MANUFACTURER'S NAME TITAN LABORATORIES	EMERGENCY TELEPHONE NUMBER SEE BELOW OR 800-255-3924 EMERG'Y ONLY
ADDRESS 2235 MORA DRIVE MOUNTAIN VIEW, CA 94040	TELEPHONE NUMBER FOR INFORMATION 650-965-9900, 800-475-3300 • FAX 650.964.4400
DATE PREPARED 07/25/05 V2.6	

Section II --- Hazardous Ingredients/Identify Information

HAZARDOUS COMPONENTS (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	% (optional)
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ALL VALUES FOR CONCENTRATE. NORMAL USAGE IS IN DILUTED FORM.

GLYCOL ETHER E-B CAS # 111-76-2	50 PPM	1 to 4%
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BIODEGRADABLE, USDA APPROVED

Section III --- Physical/Chemical Characteristics

BOILING POINT 213°F	SPECIFIC GRAVITY (H ₂ O = 1) 1.04
VAPOR PRESSURE (MM HG) NOT DETERMINED	MELTING POINT NOT APPLICABLE
VAPOR DENSITY (AIR = 1) NOT DETERMINED	EVAPORATION RATE NOT DETERMINED (N-Butyl Acetate = 1)
SOLUBILITY IN WATER 100% COMPLETE	pH: 12.7 (LOW TOTAL ALKALINITY) NOT A CORROSIVE
APPEARANCE AND ODOR	GREEN LIQUID WITH A PLEASANT ODOR

Section IV --- Fire and Explosion Hazard Data

FLASH POINT (METHOD USED) NONE	FLAMMABLE LIMITS	LEL	UEL
EXTINGUISHING MEDIA	WATER, FOAM, CARBON DIOXIDE OR DRY CHEMICALS		

SPECIAL FIRE FIGHTING PROCEDURES **NONE**

UNUSUAL FIRE AND EXPLOSION HAZARDS **NONE**

Section V --- Reactivity Data

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STABILITY :	STABLE
INCOMPATIBILITY Materials to Avoid)	NONE KNOWN
HAZARDOUS DECOMPOSITION OR BYPRODUCTS	NONE KNOWN
HAZARDOUS POLYMERIZATION:	WILL NOT OCCUR

Section VI --- Health Hazard Data

ROUTE(S) OF ENTRY:	INHALATION?	SKIN?	INGESTION?
	NO	POSSIBLE IRRITANT	YES
HEALTH HAZARDS (Acute and Chronic)			
EYES: IRRITANT SKIN: DEFATTING, DRYNESS, DERMATITIS FROM PROLONGED EXPOSURE. INGESTION: MAY CAUSE NAUSEA AND ABDOMINAL PAIN, IF INGESTED IN LARGE AMOUNTS			
CARCINOGENICITY:	NTP?	IARC MONOGRAPHS?	OSHA REGULATED?
	NO	NONE	NO
SIGNS AND SYMPTOMS OF EXPOSURE	SEE "HEALTH HAZARDS"		
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE	DERMATITIS		
EMERGENCY AND FIRST AID PROCEDURES	EYES: REMOVE CONTACT LENSES IF WORN. FLUSH WITH WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN. GET MEDICAL HELP IF SYMPTOMS ARE PRESENT. SKIN: FLUSH WITH WATER, CHANGE CLOTHING. INGESTION: RINSE MOUTH. DRINK LOTS OF MILK OR WATER. DO NOT INDUCE VOMITING. IF VOMITING OCCURS, KEEP HEAD BELOW HIPS TO PREVENT ASPIRATION TO LUNGS. GET MEDICAL HELP.		

Section VII --- Precautions for Safe Handling and Use

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED **FLUSH WITH WATER. ABSORB WITH DRY ABSORBENT. NEUTRALIZE WITH ACID TO PROPER pH IF REQUIRED BY LOCAL, STATE OR FEDERAL REGULATIONS.**

WASTE DISPOSAL METHOD **FLUSH DOWN SEWER WITH LARGE AMOUNTS OF WATER**

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING **LABEL SECONDARY CONTAINERS PROPERLY. KEEP CONTAINERS CLOSED WHEN NOT IN USE. DO NOT STORE WITH STRONG OXIDIZING AGENTS. WHEN DILUTING CONCENTRATE, MEASURE THE WATER FIRST, THEN ADD CLEANER SLOWLY TO PREVENT SPLASHING.**

OTHER PRECAUTIONS **KEEP OUT OF REACH OF CHILDREN**

Section VIII --- Control Measures

RESPIRATORY PROTECTION (Specify Type)	GENERALLY NOT REQUIRED
VENTILATION LOCAL EXHAUST	GENERALLY NOT REQUIRED
PROTECTIVE GLOVES GENERALLY NOT REQUIRED BUT RECOMMENDED	EYE PROTECTION IF SPRAYING OVERHEAD OR IN WINDY CONDITIONS
OTHER PROTECTIVE CLOTHING OR EQUIPMENT	GENERALLY NOT REQUIRED
WORK/HYGIENIC PRACTICES	WASH AFTER HANDLING. NORMAL HYGIENIC PRACTICES SUFFICIENT