

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

NFPA:

ACUTE HEALTH

FIRE

REACTIVITY

1

1

0

0=LEAST 1=SLIGHT 2=MODERATE 3=HIGH 4=EXTREME

SECTION 1

MANUFACTURER'S NAME

TITAN LABORATORIES

ADDRESS

2935 IRVING BLVD., STE. 209

Dallas, Texas 75247

EMERGENCY TELEPHONE NUMBER

SEE BELOW OR 800-255-3924 EMERGENCY ONLY

TELEPHONE NUMBER FOR INFORMATION

214-638-1200 OR 800-475-3300

DATE PREPARED **January 1, 2012**

SECTION 2 --- HAZARDOUS INGREDIENTS/IDENTIFY INFORMATION

HAZARDOUS COMPONENTS (Specific Chemical Identity; Common Name(s) OSHA PEL ACGIH TLV % (optional)

ALL VALUES ARE FOR CONCENTRATE. NORMAL USAGE IS IN DILUTED FORM.

GLYCOL ETHER E-B

50 PPM

1 to 4%

CAS # 111-76-2

BIODEGRADABLE, USDA APPROVED

SECTION 3 --- PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT **213°F**

SPECIFIC GRAVITY (H₂O = 1) **1.04**

VAPOR PRESSURE (MM HG) **NOT DETERMINED**

MELTING POINT **NOT APPLICABLE**

VAPOR DENSITY (AIR = 1) **NOT DETERMINED**

EVAPORATION RATE (N-Butyl Acetate = 1) **NOT DETERMINED**

SOLUBILITY IN WATER **100% COMPLETE**

pH: **12.7 (LOW TOTAL ALKALINITY)**
NOT A CORROSIVE

APPEARANCE AND ODOR

GREEN LIQUID WITH A PLEASANT ODOR

SECTION 4 --- 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 5 --- REACTIVITY DATA

STABILITY :

STABLE

INCOMPATIBILITY Materials to Avoid)

NONE KNOWN

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

NONE KNOWN

HAZARDOUS POLYMERIZATION:

WILL NOT OCCUR

SECTION 6 --- HEALTH HAZARD DATA

ROUTE(S) OF ENTRY:	INHALATION? NO	SKIN? POSSIBLE IRRITANT	INGESTION? YES
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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? NO	IARC MONOGRAPHS? NONE	OSHA REGULATED? NO
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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 7 --- 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 8 --- 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**