

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)

NFPA Rating:

ACUTE HEALTH

FIRE

REACTIVITY

OIL-FLO™ 141
SAFETY SOLVENT CLEANER



1

1

0

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

SECTION 1 --- MANUFACTURER'S IDENTIFICATION

TITAN LABORATORIES, INC.

ADDRESS

2935 IRVING BLVD, #209
Dallas, TX 75247 USA

Transportation Emergency Telephone Number

800-255-3924

Manufacturer Contact Phone

800-475-3300 // 214-638-1200

Date: January 1, 2014 V2.55

SECTION 2 --- HAZARDOUS INGREDIENTS/IDENTIFY INFORMATION

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

ALIPHATIC PETROLEUM DISTILLATES

588PPM

>20%

CAS # 64742-96-7

GLYCOL ETHER E-B

50PPM

1 to 4%

CAS # 111-76-2

Contains No Benzene, Chlorinated Hydrocarbons Or CFCs.

Not Photo-chemically Reactive. Biodegradable. USDA Approved.

SECTION 3 --- PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: 370° - 550°F

SPECIFIC GRAVITY (H₂O = 1) 0.834

VAPOR PRESSURE (MM HG): <1 mm Hg @ 25°C

MELTING POINT: N/A VOC (see section 9)

VAPOR DENSITY (AIR = 1): >5

EVAPORATION RATE: < 0.10

SOLUBILITY IN WATER: 100% COMPLETE

(N-Butyl Acetate = 1)

APPEARANCE AND ODOR: COLORLESS TO AMBER LIQUID,
LOW FRUITY ODOR

pH: 7.0

SECTION 4 --- FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED) 160°F T.C.C. FLAMMABLE LIMITS LEL: 0.6 UEL: 7

EXTINGUISHING MEDIA: FOAM, CARBON DIOXIDE OR DRY CHEMICALS

SPECIAL FIRE FIGHTING PROCEDURES: WEAR SELF-CONTAINED BREATHING APPARATUS WITH FULL
FACEPIECE OPERATED IN THE POSITIVE PRESSURE DEMAND MODE.

UNUSUAL FIRE AND EXPLOSION HAZARDS: DO NOT WELD ON OR NEAR DRUMS EVEN IF EMPTY. VAPORS
ARE HEAVIER THAN AIR AND MAY TRAVEL ALONG THE GROUND TO A PILOT LIGHT OR OTHER FLAME AT A
DISTANT LOCATION.

SECTION 5 --- REACTIVITY DATA

STABILITY : STABLE

INCOMPATIBILITY (Materials to Avoid): STRONG OXIDIZING AGENTS, HYPOCHLORITES, CHLORINE

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: NORMAL COMBUSTION, CARBON DIOXIDE AND WATER
VAPOR. INCOMPLETE COMBUSTION, CARBON MONOXIDE AND TOXIC MATERIALS

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

SECTION 6 --- HEALTH HAZARD DATA

ROUTE(S) OF ENTRY:

INHALATION?

SKIN?

INGESTION?

YES

YES

YES

HEALTH HAZARDS (Acute and Chronic) **PROLONGED INHALATION OF VAPORS:** NAUSEA, DROWSINESS •
SKIN: LOCAL IRRITATION, DRYNESS, CHAPPING OR DERMATITIS • **INGESTION:** DIARRHEA, NAUSEA,
CRAMPS. UNCONSCIOUSNESS. DEATH IN EXTREME CASES. • **EYES:** IRRITATION

CARCINOGENICITY:	NTP?	IARC MONOGRAPHS?	OSHA REGULATED?
	NONE KNOWN	NONE	NO

SIGNS AND SYMPTOMS OF EXPOSURE: **SEE "HEALTH HAZARDS"**

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE
POSSIBLY PRE-EXISTING SKIN OR RESPIRATORY DISORDERS

EMERGENCY AND FIRST AID PROCEDURES: **INHALATION:** REMOVE TO FRESH AIR • **SKIN:** FLUSH WITH WATER. • **INGESTION:** RINSE MOUTH. DO NOT INDUCE VOMITING. IF VOMITING OCCURS, KEEP HEAD BELOW HIPS TO PREVENT ASPIRATION TO LUNGS. GET MEDICAL HELP. • **EYES:** FLOOD WITH WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN. REMOVE CONTACT LENSES IF WORN. GET MEDICAL HELP.

SECTION 7 --- PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED ABSORB WITH SAND, DIATOMACEOUS EARTH, RICE HULL ASH, OR OTHER ABSORBENT MATERIAL. OR DILUTE WITH WATER TO ACCEPTABLE WASTE WATER RATIO, OR CONTAIN WITH TEMPORARY DAM AND COLLECT SPILL FOR REUSE. TURNS MILKY WHITE WHEN MIXED WITH WATER.

WASTE DISPOSAL METHOD **SMALL SPILL:** ABSORB AS ABOVE OR RINSE WITH WATER.
LARGE SPILL: OBSERVE WASTE WATER STANDARDS, DISPOSE OF WASTE PROPERLY.
 PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING **AVOID SPARKS AND OPEN FLAME.**

OTHER PRECAUTIONS

KEEP CONTAINERS CLOSED WHEN NOT IN USE. KEEP AWAY FROM VEGETATION UNLESS WELL DILUTED. DO NOT TRANSFER INTO UNMARKED CONTAINERS.

SECTION 8 --- CONTROL MEASURES

RESPIRATORY PROTECTION (Specify Type) **IF CONCENTRATION OF VAPORS EXCEEDS TLV LIMITS, INCREASE VENTILATION OR USE RESPIRATOR.**

VENTILATION LOCAL EXHAUST: **ONLY IF NEEDED**

PROTECTIVE GLOVES: **NITRILE OR NEOPRENE** EYE PROTECTION: **ONLY IF EXPOSED TO SPLASHING**

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: **IMPERVIOUS CLOTHING OR BOOTS**

WORK/HYGIENIC PRACTICES: **WASH THOROUGHLY AFTER HANDLING, UNDER RINGS AND WATCHBANDS.**

SECTION 9 --- ENVIRONMENTAL AND TRANSPORT INFORMATION

VOC CONTENT: **696 g/L (4.9 Lbs/Gal) // 70%***

***Meets the definition of a Low Vapor Pressure Solvent under the California Air Resource Board (CARB) consumer product guidelines.**

Meets or exceeds federal specification V V-K-220.

CALIFORNIA PROPOSITION 65: The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of 1986: This product does not contain chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm. [22 CCR 12705 (b)]

TRANSPORT INFORMATION : DOT Information - **49 CFR 172.101.** DOT Description : **NON-REGULATED BY D.O.T.** Container/Mode: **55 GAL DRUM/TRUCK PACKAGE. ALSO 5-GAL PAILS, GALLON JUGS, PINTS.** NOS Component: **ALIPHATIC PETROLEUM DISTILLATES.**

For more information contact Titan Laboratories at (214) 638-1200.