

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) HAND CLEANER 38™	ACUTE HEALTH NFPA 0	FIRE 1	REACTIVITY 0
0 = LEAST 1 = SLIGHT 2 = MODERATE 3 = HIGH 4 = EXTREME			

Section 1

MANUFACTURER'S NAME TITAN LABORATORIES	EMERGENCY TELEPHONE NUMBER SEE BELOW OR 800-255-3924 EMERG'Y ONLY
ADDRESS 1071 Wright Avenue MOUNTAIN VIEW, CA 94043	TELEPHONE NUMBER FOR INFORMATION 650-965-9900 • 800-475-3300 • FAX 650.964.4400
DATE PREPARED May 02, 2011 V1.4	

Section II --- Hazardous Ingredients/Identify Information

HAZARDOUS COMPONENTS (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	OTHER LIMITS	% (OPTIONAL)
1. PETROLEUM DISTILLATES CAS # 64742-96-6			200 PPM	>20%

**BIODEGRADABLE. CONTAINS CRUSHED WALNUT SHELLS
 CONTAINS NO BENZENE, CHLORINATED HYDROCARBONS OR CFC's.**

Section III --- Physical/Chemical Characteristics

BOILING POINT 290°F	SPECIFIC GRAVITY (H ₂ O = 1) 0.86
VAPOR PRESSURE (MM HG) 0.078 mm Hg @ 25°C	MELTING POINT NOT APPLICABLE
VAPOR DENSITY (AIR = 1) ND	EVAPORATION RATE (N-Butyl Acetate = 1) ND
SOLUBILITY IN WATER COMPLETE	pH: (H ₂ O = 7) 7.8
APPEARANCE AND ODOR	LOTION, DARK COLOR, WITH GROUND WALNUT SHELLS

Section IV --- Fire and Explosion Hazard Data

FLASH POINT (METHOD USED) >150°F, PMCC	FLAMMABLE LIMITS	LEL	UEL
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. NORMAL COMBUSTION CAUSES
 CO2 AND WATER VAPOR. INCOMPLETE COMBUSTION CAN FORM CO.**

UNUSUAL FIRE AND EXPLOSION HAZARDS **NONE**

Section V --- Reactivity Data

HAND CLEANER 38, PG.2 V1.4

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 VI --- Health Hazard Data

ROUTE(S) OF ENTRY:	INHALATION?	SKIN?	INGESTION?
	NO	NO	YES

HEALTH HAZARDS (Acute and Chronic) **PROLONGED INHALATION OF VAPORS: NAUSEA, DROWSINESS LIGHTEADEDNESS (NARCOSIS). • SKIN: EXTENDED CONTACT (IF NOT RINSED), POSSIBLE LOCAL IRRITATION, DRYNESS, CHAPPING OR DERMATITIS • INGESTION; DIARRHEA, NAUSEA, CRAMPS.. • 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 COMPLETELY WITH WATER. IF IRRITATION DEVELOPS, USE HAND LOTION OR DISCONTINUE USING PRODUCT. • 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 IF IRRITATION PERSISTS.

Section VII --- 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. A LARGE SPILL IS UNLIKELY BECAUSE OF SMALL-SIZE PACKAGING.**

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. DO NOT TRANSFER INTO UNMARKED CONTAINERS.

Section VIII --- Control Measures

RESPIRATORY PROTECTION (Specify Type) **GENERALLY NOT REQUIRED**

VENTILATION LOCAL EXHAUST **GENERALLY NOT REQUIRED.**

PROTECTIVE GLOVES **NOT REQUIRED** EYE PROTECTION **AVOID EYE CONTACT DURING HAND WASHING.**

OTHER PROTECTIVE CLOTHING OR EQUIPMENT **NONE**

WORK/HYGIENIC PRACTICES **RINSE AFTER APPLYING TO HANDS. • DRY HANDS COMPLETELY. • FREQUENT WASHING AND COLD WEATHER AGGRAVATE DERMATITIS. • USE LOTION IF HANDS BECOME IRRITATED.**