

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) MDR FORMULA B Mineral Deposit Remover	ACUTE HEALTH NFPA	FIRE 1	REACTIVITY 0	1
	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 EMERGENCY ONLY
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ADDRESS 1071 WRIGHT AVE. MOUNTAIN VIEW, CA 94043	TELEPHONE NUMBER FOR INFORMATION (650) 965-9900
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DATE PREPARED **February 24, 2006 V2.33**

Section II --- Hazardous Ingredients/Identify Information

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

PHOSPHORIC ACID 1-4%
CAS # 7664-38-2

CERCLA OR SARA TITLE III LOSS OR SPILL REPORTING IS NOT REQUIRED.

THIS PRODUCT IS NOT A CORROSIVE.

Section III --- Physical/Chemical Characteristics

BOILING POINT 212°F	SPECIFIC GRAVITY (H ₂ O = 1) 1.16
VAPOR PRESSURE (MM HG) <20 mm Hg @ 25°F	MELTING POINT NOT APPLICABLE
VAPOR DENSITY (AIR = 1) NOT APPLICABLE	EVAPORATION RATE >1 (N-Butyl Acetate = 1)
SOLUBILITY IN WATER DISPERSES	pH 2.0
APPEARANCE AND ODOR	OPAQUE SLURRY, PLEASANT ODOR

Section IV --- Fire and Explosion Hazard Data

FLASH POINT (METHOD USED) NONE	FLAMMABLE LIMITS	
EXTINGUISHING MEDIA NONE REQUIRED		
SPECIAL FIRE FIGHTING PROCEDURES NONE REQUIRED		
UNUSUAL FIRE AND EXPLOSION HAZARDS NONE		

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

Section VI --- Health Hazard Data

ROUTE(S) OF ENTRY:	INHALATION?	SKIN?	INGESTION?
	NOT NORMALLY	NO	YES

HEALTH HAZARDS (Acute and Chronic) **EYE IRRITANT. WILL CAUSE SEVERE EYE IRRITATION. CONTACT WITH OPEN SKIN AREAS MAY CAUSE IRRITATION. RESPIRABLE DUST FROM DRIED PRODUCT IS MINIMAL, BUT INHALATION OF ANY DRIED PRODUCT OR DUST SHOULD BE AVOIDED.**

CARCINOGENICITY:	NTP?	IARC MONOGRAPHS?	OSHA REGULATED?
	NO	FINISHED PRODUCT, NO	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

EYE CONTACT: RINSE WITH CLEAR WATER FOR 10 MINUTES WHILE ALTERNATELY HOLDING UPPER AND LOWER EYELIDS OPEN. REMOVE CONTACT LENSES, IF WORN. SEE A PHYSICIAN. IF SWALLOWED: RINSE MOUTH. DRINK LOTS OF WATER OR MILK, DO NOT INDUCE VOMITING. SEE A PHYSICIAN. SKIN CONTACT: RINSE WITH WATER.**Section VII --- Precautions for Safe Handling and Use**

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED **PICK UP EXCESS WITH DUSTPAN OR WET/DRY VACUUM. PLACE IN A PLASTIC CONTAINER FOR DISPOSAL. WASH RESIDUE TO SEWER WITH LOTS OF WATER.**WASTE DISPOSAL METHOD **SEWER, LANDFILL, OR ALLOW TO DRY AND DISPOSE AS SOLID WASTE.**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING **STORE IN CLOSED CONTAINERS AT 40°F TO 110°F**

OTHER PRECAUTIONS

DO NOT ALLOW PRODUCT TO DRY OUT DURING USE. KEEP OUT OF REACH OF CHILDREN.**Section VIII --- Control Measures**

RESPIRATORY PROTECTION (Specify Type) **DUST MASK TO PREVENT RESPIRATION OF DRIED RESIDUE, DEPENDING ON JOB CONDITIONS.**VENTILATION LOCAL EXHAUST **USUALLY NOT NEEDED**PROTECTIVE GLOVES **PLASTIC OR RUBBER REQUIRED.** EYE PROTECTION **GLASSES, GOGGLES OR FACE SHIELD REQUIRED.**OTHER PROTECTIVE CLOTHING OR EQUIPMENT **IMPERVIOUS CLOTHING OR APRON, EYE WASH FOUNTAIN, SINK, SAFETY SHOWER.**

WORK/HYGIENIC PRACTICES

WASH THOROUGHLY AFTER HANDLING, UNDER RINGS AND WATCHBANDS ALSO.
