

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) A-1 HARDWATER STAIN REMOVER	ACUTE HEALTH	FIRE	REACTIVITY
	NFPA 1	0	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 AVE. MOUNTAIN VIEW, CA 94043	TELEPHONE NUMBER FOR INFORMATION (650) 965-9900
	DATE PREPARED JULY 11, 2008 v1.02

Section II --- Hazardous Ingredients/Identify Information

HAZARDOUS COMPONENTS (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	OTHER LIMITS % (OPTIONAL)
AMORPHOUS SILICA (Not in a respirable state) CAS # 7631-86-9			
AQUEOUS AMMONIA CAS # 1336-21-6	50ppm	25ppm TWA	1%
PETROLEUM DISTILLATES CAS 64742-47-8	300ppm TWA		5 to 20%

Section III --- Physical/Chemical Characteristics

BOILING POINT 212°F	SPECIFIC GRAVITY (H ₂ O = 1) 1.2
VAPOR PRESSURE (MM HG) N/A	MELTING POINT N/A
VAPOR DENSITY (AIR = 1) N/A	EVAPORATION RATE (N-Butyl Acetate = 1) N/A
SOLUBILITY IN WATER COMPLETE	
APPEARANCE AND ODOR CREAMY WHITE LIQUID, MASKED AMMONIA ODOR	

Section IV --- Fire and Explosion Hazard Data

FLASH POINT (METHOD USED) NONE, PMCC	FLAMMABLE LIMITS	LEL	UEL
EXTINGUISHING MEDIA WILL NOT BURN			
SPECIAL FIRE FIGHTING PROCEDURES SURROUNDING FIRE MAY RESULT IN TOXIC FUMES. WEAR SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE DEMAND MODE.			
UNUSUAL FIRE AND EXPLOSION HAZARDS NONE			

Section V --- Reactivity DataSTABILITY : **STABLE**INCOMPATIBILITY Materials to Avoid) **ACIDS**HAZARDOUS DECOMPOSITION OR BYPRODUCTS **WILL NOT BURN**HAZARDOUS POLYMERIZATION: **WILL NOT OCCUR****Section VI --- Health Hazard Data**

ROUTE(S) OF ENTRY:	INHALATION?	SKIN?	INGESTION?
	YES	YES	YES

HEALTH HAZARDS (Acute and Chronic) **PROLONGED INHALATION OF VAPORS: NAUSEA, DROWSINESS • LIGHTEADNESS (NARCOSIS), DO NOT BREATHE THE DRIED POWDER. SKIN: 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. • 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 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, OR CONTAIN WITH TEMPORARY DAM AND COLLECT SPILL FOR REUSE. MOP UP EXCESS, LET DRY, CLEAN AREA WITH BROOM.**

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 **USE PLASTIC CONTAINERS.**

OTHER PRECAUTIONS

KEEP CONTAINERS CLOSED WHEN NOT IN USE. DO NOT TRANSFER INTO UNMARKED CONTAINERS.**Section VIII --- Control Measures**RESPIRATORY PROTECTION (Specify Type) **USUALLY NOT NEEDED**VENTILATION LOCAL EXHAUST **ADEQUATE VENTILATION RECOMMENDED. LOCAL EXHAUST NOT NEEDED.**PROTECTIVE GLOVES **RECOMMENDED** EYE PROTECTION **YES, CHEMICALLY RESISTANT GOGGLES**OTHER PROTECTIVE CLOTHING OR EQUIPMENT **IMPERVIOUS CLOTHING OR BOOTS**

WORK/HYGIENIC PRACTICES

WASH THOROUGHLY AFTER HANDLING, UNDER RINGS AND WATCHBANDS ALSO.