

MATERIAL SAFETY DATA SHEET**SECTION 1 - PRODUCT SOURCE AND IDENTITY**

Supplier identity and address	Product description:	Date: July 18, 2005
Titan Laboratories 2235 Mora Drive Mountain View, CA 94040	Name: Hard Water Stain Remover and Metal Polish Purpose: Non scratching cleaner and polish Proprietary Formula Code: TL MP	
Emergency :650-965-9900 or CHEM-TEL 800-255-3924	Product information:	650-965-9900

SECTION 2 - SHIPPING CLASSIFICATION

Proper Shipping Name, Hazard Class, UN/NA Number Packing Group, Emergency Response Guide Number	Not regulated
Labels required per 49 CFR 172.101:	None
Qualifies for "Limited quantity" per 49 CFR 173.150-.155:	Not applicable
Reportable Quantity ("RQ") per 49 CFR 172.101:	None or not possible in one non-bulk package

SECTION 3- SAFETY RATINGS AND HAZARDOUS INGREDIENT INFORMATION

Reporting required by Title III Sec 313, 40 CFR 372, 29 CFR 1910.1200					EXPOSURE LIMIT VALUES	
CAS#	313	Material or Component	%	RQ#	TWA	STEL
64742-47-8	No	Petroleum distillate	<20	None	100 ppm (PEL)	
1336-21-6	Yes	Aqueous ammonia	<1	1000	25 ppm	35 ppm
61790-53-2	No	Silica amorphous	<30	None	10 ppm or 3 mg/m3	as a dust
No component is listed in "THRESHOLD LIMIT VALUES AND BIOLOGICAL EXPOSURE INDICES FOR 2004" from ACGIH except as noted above. Components listed in TITLE III SEC 313 (EPCRA) are indicated by "Yes" above.						
California criteria: Constituents qualifying as hazardous materials, substances or waste, other than above, if any, have been neutralized or denatured to a non hazardous condition. Regulations referenced: California Health & Safety Code Ch 6.95 Sec 25501(k) & (l), CCR Title 22, Sec 66261.21- .24, and Appendix X of 22 CCR Chapter 11, Article 4.						
Emergency overview: Non scratching abrasive cleaner with solvent. Keep out of eyes. Avoid extended skin contact. Do not breathe dust or vapors. Keep lid on container when not in use.						
Hazard Categories:	Health	Fire	Pressure	Reactivity	Reference 49 CFR 171.8,	
Immediate	Yes	No	No	No	OSHA 29 CFR 1910.1200 and	
Delayed	No	XXX	XXX	XXX	SARA 302/311/312/313.	
HMIS Hazard ratings: Health 1 Fire 0 Instability 0 Other B (Glasses, gloves)						
NFPA 704 Hazard Ratings: Health 1 Flammability 0 Reactivity 0 Special NA						
Hazard Ratings: Least: 0 Slight: 1 Moderate: 2 High: 3 Extreme: 4						
Threshold limit value: Not established on product.						
TOSCA Status: All ingredients listed				CERCLA RQ: See Sec 2.		
California Prop. 65: None						

SECTION 4 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Creamy off white liquid	Flash point deg. F (cc):	None
Odor:	Lemon ammonia	Initial boiling point deg. C:	ND
Specific gravity:	1.09	Vapor pressure 20 deg C:	ND
pH reaction:	10-11	Freezing point deg. C:	ND
% phosphorous:	None	Solubility in water:	50%
VOC Content:	209 g/L approx		
California Rule 102 (66): Contains no photochemically active materials.			
Reproductive implications:	None		
Ingredients on cancer lists:	None		

SECTION 5 - SAFE HANDLING AND STORAGE

General	Mild abrasive solvent cleaner. Store in a cool place. Keep out of eyes and off of skin.
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Use standard industrial good practices.
Wipe up spills immediately.

Protective equipment	
Eyes	Safety glasses or goggles should be worn if there is possibility of eye contact.
Skin	Impermeable gloves such as rubber, PVC or neoprene are recommended.
Respiratory protection	None normally required. If risk of inhalation occurs, select and use equipment according to OSHA/NIOSH guidelines.
Ventilation	A well ventilated work environment is recommended.
Other	Keep lid on containers.

SECTION 6- HEALTH SAFETY DATA

Effects of chronic overexposure	
Eyes	None.
Skin	Can cause irritation from repeated exposure.
Inhalation	Mists may be irritating to breathing passages.
Ingestion	Not a likely source of chronic exposure.

SECTION 7 - PHYSICAL STABILITY AND REACTIVITY DATA

Explosive limits	Flash point:	See Sec 4
Upper ND	Lower ND	Conditions to avoid: Exposure to heat and evaporation.
Chemical stability	Stable	
Hazardous polymerization	Cannot occur	Hazardous decomposition products: None known
		Incompatibility: Oxidation chemicals like peroxides, etc.

SECTION 8- EMERGENCY RESPONSE PROCEDURES

Fire	Extinguishing media	Use materials appropriate to the main source of the fire.
	Special procedures	None.
	Unusual hazards	None
First Aid	Eyes	Flush with water for at least 15 min. Seek medical attention if appropriate.
	Skin	Wash exposed skin with soap and water until gone. Remove affected clothes, rinse off product and wash clothes before reuse.
	Inhalation	If affected, remove individual to fresh air, get medical attention at once if there is any discomfort.
	Ingestion	Dilute by giving large amounts of milk or water. Get medical attention immediately. Do not induce vomiting.
Spills	Small / large spill	Small amounts may be flushed to drain. Comply with federal, state and local regulations on reporting spills. Floors may be slippery. Keep out of waterways and storm sewers.

Product as made does not qualify as an "Unlisted Hazardous Waste" for disposal situations.

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