

MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT SOURCE AND IDENTITY

Supplier identity and address	Product description:	Date: July 11, 2008 v8.2
Titan Laboratories 1071 Wright Ave. Mountain View, CA 94043 Emergency : 800-255-3924	Name: Oil-Flo™ Safety Solvent Cleaner Purpose: Safe, high flash point solvent cleaner Proprietary Formula Code: TL OFSSC	
	Product information:	650-965-9900

SECTION 2 - SHIPPING CLASSIFICATION

Proper Shipping Name, Hazard Class,	
UN/NA No. Packing Group, Emergency Response Guide No 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, dm %	Material or Component	Approx. %	RQ#	TWA	STEL
95-63-6	Yes, 1	Trimethyl benzene	25	None	25 ppm	
1330-20-7	Yes, 1	Xylene (mixed isomers) A4, BEI	1	100	100 ppm	150 ppm
98-82-8	Yes, 1	Cumene	1	5000	50 ppm (Skin)	
64742-95-6	No	Total aromatic petroleum distillates	65	None	Not established	
111-76-2	Yes, 1	2-butoxyethanol A3	7	None	20 ppm (Skin)	

A3= Confirmed Animal carcinogen with Unknown Relevance to Humans A4= Not Classifiable as a human carcinogen. BEI = indicates a Biological Exposure Limit exists for this material.
dm % = de minimus, the minimum percent which must be reported.

Note: The purpose of this MSDS is to provide safe handling, shipping and disposal information for users of the product. It is not intended to, nor does it, provide complete or extensive toxicological data on the product or its components. Users who require this information are referred to primary suppliers of the ingredients of interest.

Emergency overview: Aromatic based rinsible cleaning solvent. Keep out of eyes and away from fire. Avoid extended skin contact. Do not breathe vapors. Keep lid on container when not in use.

Hazard Categories:	Health	Fire	Pressure	Reactivity	Reference 49 CFR 171.8, OSHA 29 CFR 1910.1200 and SARA 302/311/312/313.
Immediate	Yes	No	No	No	
Delayed	No	XXX	XXX	XXX	

HMIS Hazard ratings: Health 1 Fire 2 Instability 0 Other B (Glasses, gloves)

NFPA 704 Hazard Ratings: Health 1 Flammability 2 Reactivity 0 Special NA

Hazard Ratings: Least: 0 Slight: 1 Moderate: 2 High: 3 Extreme: 4

Note: HMIS and NFPA ratings are subjective evaluations of hazards and can differ between preparers. They are intended and useful only as a rapid approximation of the hazards rated.

Threshold limit value: Not established on product.

TOSCA Status: All ingredients listed

California Prop. 65: Ethyl benzene, 1, 4-dioxane, ethylene oxide, benzene, acetaldehyde, formaldehyde.

SECTION 4 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear, colorless to slight amber	Flash point deg. F (cc):	> 105° F
Odor:	Bouquet plus petroleum	Initial boiling point deg. C:	100°C (Component)
Specific gravity:	0.91	Vapor pressure 20 deg C:	ND
pH reaction:	7.8 in water	Freezing point deg. C:	ND
% phosphorous:	None	Solubility in water:	Complete

VOC Content: 844 g/L

California Rule 102 (66): Contains no photo chemically active materials.

Prop. 65: Contains substances known to the state of California to cause reproductive harm.

Prop. 65: Contains substances known to the state of California to cause cancer.

SECTION 5 - SAFE HANDLING AND STORAGE

General Rinsible solvent cleaner. Store in a cool place. Keep out of eyes and off of skin. Keep away from heat, flame, sparks and oxidizing chemicals. Keep containers sealed when not in use. Wipe up spills immediately. Containers may be hazardous when empty: do not cut or weld.

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	Electrically ground containers when transferring product.

SECTION 6- HEALTH SAFETY DATA

Effects of chronic over exposure	
Eyes	None.
Skin	See Sec. 4. Can cause irritation from repeated exposure.
Inhalation	See Sec. 4. Mists may be irritating to breathing passages.
Ingestion	Not a likely source of chronic exposure.

SECTION 7 - PHYSICAL STABILITY AND REACTIVITY DATA

Approx. Explosive limits %		Flash point:	See Sec 4
Upper 1.0	Lower 10.6	Conditions to avoid:	Exposure to heat and evaporation.
Chemical stability	Stable	Hazardous decomposition products:	None known
Hazardous polymerization	Cannot occur	Incompatibility:	Oxidation chemicals like peroxides, etc.

SECTION 8- EMERGENCY RESPONSE PROCEDURES

Fire	Extinguishing media	Regular foam, water fog, carbon dioxide, dry chemical
	Special procedures	Wear full Bunker gear and respiratory protection (SCBA).
	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. Dike spill if safe to do, and keep unauthorized people away. Extinguish all sources of ignition. Keep out of waterways and storm sewers.

Product as made has the characteristic of ignitability, like " Unlisted Hazardous Waste D001", RQ 100#.

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