

Material Safety Data Sheet

EMERGENCY PHONE: CHEMTREC 1-800-424-9300
INFORMATION PHONE: 1 - 800 - 862 - 2667

I. CHEMICAL PRODUCT AND COMPANY DATA

PRODUCT: TRIDAR 33-2, 44-2
CHEMICAL FAMILY: WATER BASED CONCRETE CURING COMPOUND
REVISION DATE: 3/2002
MANUFACTURER: TAMMS INDUSTRIES
3835 State Route 72
Kirkland, Illinois 60146

II. COMPOSITION / INFORMATION ON INGREDIENTS

This document is prepared pursuant to the OSHA Hazard Communication Standard (29 CFR 1910.1200).

INGREDIENT	CAS. NO.	TLV	EXPOSURE LIMITS			CONTENT
			STEL	PEL		
POLYMERIZED LINSEED OIL	67746-08-1	N/E	N/E	N/E	<55%	
TITANIUM DIOXIDE	13463-67-7	5 mg/m ³	N/E	5 mg/m ³	<20%	
FATTY ALCOHOL	67762-30-5	N/E	N/E	N/E	<10%	

N/A : Not available

N/E : Not established

III. HAZARDS IDENTIFICATION

HMIS Hazard Rating No. 1 (Moderate)

PRIMARY ROUTE OF ENTRY: DERMAL, EYES

EFFECTS OF OVER EXPOSURE:

INHALATION: Vapors from product may cause irritation to the nose, throat, and respiratory tract.

EYES: Product may produce an oil film causing a brief reversible dimness of sight. Can cause slight irritation.

SKIN CONTACT: Prolonged or repeated skin contact can cause slight skin irritation.

SKIN ABSORPTION: No known information available.

INGESTION: Not expected to be a relevant route of exposure.

CHRONIC: Repeated exposure may cause skin irritation.

IV. FIRST AID MEASURES

INHALATION: Remove victim from exposure. If difficulty with breathing, administer oxygen. If breathing has stopped, administer artificial respiration. Seek medical attention.

EYES: Flush eyes with water, lifting upper and lower lids occasionally for 15 minutes. Seek medical attention.
SKIN: Wash thoroughly with soap and water for at least 15 minutes. If irritation occurs, get medical attention.
INGESTION: Do not induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs. Seek medical attention.

V. FIRE FIGHTING METHODS

HMIS Hazard Rating No. 1 (SLIGHT)

Flash Point: None

METHOD: SETAFLASH

AUTO-IGNITION TEMP.: Not available

LIMITS OF FLAMMABILITY: LEL: Not available UEL: Not available

EXTINGUISHING MEDIA: Use water fog, dry chemical, foam or CO2.

SPECIAL FIRE FIGHTING PROCEDURES AND PRECAUTIONS: Do not enter confined fire space without full bunker gear (helmet with face shield, bunker coats, gloves and rubber boots), including a positive pressure NIOSH approved self-contained breathing apparatus. Cool fire exposed containers with water.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Containers exposed to intense heat from fires should be cooled with water to prevent vapor pressure buildup, which could result in container rupture.

VI. ACCIDENTAL RELEASE MEASURES

ACTION TO TAKE FOR SPILLS/ LEAKS: Dike and contain the spill. Soak up residue with an absorbent such as clay, sand or other suitable material. Dispose of the absorbent material in accordance with federal, state and local regulations.

WASTE DISPOSAL METHOD: Dispose in compliance with federal, state and local regulations.

VII. HANDLING AND STORAGE

Store at temperatures 33° F to 100° F

Store in a ventilated area.

KEEP FROM FREEZING

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

PROTECTIVE CLOTHING: Wear chemical resistant protective clothing, gloves, and boots. Wear safety glasses to prevent contact with eyes.

ADDITIONAL PROTECTIVE MEASURES: Eye wash fountains and safety showers should be available for emergency use.

IX. Physical And Chemical Properties

Boiling Point:	212°F	Water/Oil Distribution Coefficient:	N/AV
		Solubility in Water:	YES

Percent Volatile:	<50%	Specific Gravity:	.98
Freezing Point :	32°F	pH:	8.5
Vapor Pressure mmHg @ 20° C	N/AV	Evaporation Rate:	N/AV
Vapor Density	>AIR	Odor:	None
Odor Threshold:	N/AV		
Appearance:	MILKY WHITE LIQUID		

N/AV = Not Available

ca. = Approximate

X. STABILITY AND REACTIVITY

HMIS Hazard Rating No. 0

STABILITY: Stable Hazardous polymerization will not occur.

CONDITIONS AND MATERIALS TO AVOID: This product may form minor amounts of ethanol through hydrolysis, when stored in excess of six months.

HAZARDOUS DECOMPOSITION PRODUCTS: carbon monoxide, carbon dioxide and hydrocarbons.

XI. TOXICITY INFORMATION

HMIS Hazard Rating No. 1 (SLIGHT)

PRIMARY ROUTE OF ENTRY: *DERMAL, EYES*

EFFECTS OF OVEREXPOSURE

INHALATION: May cause irritation to the respiratory tract.

LC(50) INHAL. N/av

EYES: May be irritating to the eyes

SKIN CONTACT: May be irritating to the skin.

SKIN ABSORPTION: No information available.

INGESTION: Not expected to be relevant route of entry.

LD(50) ORAL

CHRONIC: Product does not contain chemicals considered to be carcinogenic by NTP, IARC, or OHSA.

XII. ECOLOGICAL INFORMATION

Marine Pollutant: NL

(NL = Not Listed; P = Moderate; PP = Severe; ND = Not Determined)

XIII. DISPOSAL CONSIDERATIONS

Dispose in a manner which is compliant to Federal, State and Local regulations.

XIV. TRANSPORT INFORMATION

DOT/UN SHIPPING NAME: NON-REGULATED

DOT HAZARD CLASS: NON-REGULATED

SHIPPING NAME: NON-REGULATED

Emergency Response Guide: 128

XV. REGULATORY INFORMATION

COMPONENTS ARE LISTED ON THE EPA/TSCA INVENTORY OF CHEMICAL SUBSTANCES

TITLE III SECTION 302:

No reportable materials.

TITLE III SECTION 311/312:

No reportable materials.

TITLE III SECTION 313:

No reportable materials.

XVI. OTHER INFORMATION

Information contained in this MSDS refers only to the specific material designated and does not relate to any process or to use with any other materials. This information is based on data believed to be reliable as of the date hereof. It is furnished without warranty of any kind express or implied. Since actual use is beyond our control, no guarantee, express or implied, and no liability is assumed by TAMMS INDUSTRIES in conjunction with the use of this information. Nothing herein is to be construed as a recommendation to infringe any patents.