PRODUCT SAFETY INFORMATION SHEET

This is a condensed document providing safety and health information pertinent to the product. For a complete regulatory MSDS please contact your Tnemec Representative at www.tnemec.com or 1-800-TNEMEC1.

Preparation Date: 18-Mar-2009 **Revision Date:** 18-Mar-2009 **Revision Number:** 0

2. HAZARDS IDENTIFICATION

Emergency Overview

WARNING!

COMBUSTIBLE LIQUID AND VAPOR.
HARMFUL IF INHALED.
HARMFUL OR FATAL IF SWALLOWED.
MAY AFFECT THE BRAIN OR NERVOUS SYSTEM CAUSING DIZZINESS, HEADACHE OR NAUSEA.
MAY CAUSE EYE, SKIN, NOSE, THROAT AND RESPIRATORY TRACT IRRITATION.
MAY CAUSE EYE INJURY.

Potential Health Effects

Principle Routes of Exposure Eye contact, Inhalation, Skin contact.

Acute Effects

Eyes May cause eye injury. Exposure of sufficient duration to wet cement, or to dry cement on moist areas of the body, can cause serious, potentially irreversible tissue (skin, eye, respiratory tract) damage due to chemical (caustic) burns, including third degree burns.

Skin Irritating to skin. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. Exposure of sufficient duration to wet cement, or to dry cement on moist areas of the body, can cause serious, potentially irreversible tissue (skin, eye, respiratory tract) damage due to chemical (caustic) burns, including third degree burns.

Inhalation Irritating to respiratory system. Blood disorder may occur after prolonged inhalation. Exposure of sufficient duration to wet cement, or to dry cement on moist areas of the body, can cause serious, potentially irreversible tissue (skin, eye, respiratory tract) damage due to chemical (caustic) burns, including third degree burns.

Ingestion May be harmful if swallowed. Blood disorder may occur after ingestion.

Chronic Effects

NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

Target Organ Effects

Liver, Kidney, Respiratory system, Eyes, Skin, Central nervous system, Gastrointestinal tract, Central Vascular System, Lungs

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components

Component	CAS-No	Weight %
MINERAL SPIRITS, AS STODDARD SOLVENT	8052-41-3	25.72175
ALKYD RESIN	-	20 - 30%
IRON OXIDE FUME	1317-61-9	18.8473
TALC (RESPIRABLE DUST)	14807-96-6	16.9474
PROPRIETARY PIGMENT (NUISANCE DUST)	-	0 - 10%
CALCIUM SILICATES AND ALUMINATES	65997-15-1	5.067461
CHLORINATED PARAFFIN	63449-39-8	4.2263
ZINC COMPOUNDS	1314-13-2	2.6079

4. FIRST AID MEASURES

Eye Contact Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Skin Contact Wash off immediately with soap and plenty of water. Consult a physician if necessary.

Ingestion If swallowed, do not induce vomiting. Get medical attention immediately.

Inhalation Move to fresh air. Oxygen or artificial respiration if needed. Consult a physician.

5. FIRE-FIGHTING MEASURES

Flammable Properties Combustible material.

Suitable Extinguishing Media
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Contact with water may cause violent frothing. Use: Carbon dioxide (CO2) - Foam - Dry chemical

Hazardous Decomposition Products Oxides of carbon, hydrocarbons.

Specific Hazards Arising from the Chemical
DANGER - CERTAIN COLORS CONTAIN LINSEED OIL. RAGS AND OTHER COMBUSTIBLE ITEMS SOILED WITH LINSEED OIL REPRESENT A SPONTANEOUS COMBUSTION HAZARD. TO AVOID SPONTANEOUS COMBUSTION, SOAK SOILED RAGS AND WASTE IMMEDIATELY AFTER USE IN A WATER-FILLED, CLOSED METAL CONTAINER.

Protective Equipment and Precautions for Firefighters
Use water spray to cool unopened containers. In the event of fire, wear self-contained breathing apparatus. Keep away from heat/sparks/open flames/hot surfaces. May cause heat and pressure build-up in closed containers. Solvent vapors are heavier than air and may spread along floors. Flash back possible over considerable distance.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Avoid contact with skin, eyes and clothing. Use personal protective equipment. Remove all sources of ignition.

Environmental Precautions Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system.

Methods for Cleaning Up If spilled, contain spilled material and remove with inert absorbent. Dispose of contaminated absorbent, container and unused contents in accordance with local, state and federal regulations. Soak up with inert absorbent material.

7. HANDLING AND STORAGE

Handling
Close container after each use. Avoid contact with skin, eyes and clothing. Do not eat, drink or smoke when using this product. If splashes are likely to occur, wear goggles. Wear protective gloves/clothing. Do not burn, or use a cutting torch on, the empty drum. When used in a mixture, read the labels and safety data sheets of all components. Wash thoroughly after handling.

Storage
Keep away from heat, sparks and flame. Use only in an area containing flame proof equipment. Prevent build-up of vapors by opening all windows and doors to achieve cross ventilation.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Component	ACGIH TLV	OSHA PEL	Quebec TWAEV	Ontario TWAEV	Mexico OEL (TWA)
MINERAL SPIRITS, AS STODDARD SOLVENT	TWA: 100 ppm	TWA: 100 ppm TWA: 525 mg/m^3 TWA: 2900 mg/m^3 TWA: 500 ppm	TWA: 525 mg/m^3 TWA: 100 ppm	TWA: 525 mg/m^3	TWA: 523 mg/m^3 TWA: 100 ppm STEL: 1050 mg/m^3 STEL: 200 ppm
IRON OXIDE FUME	TWA: 1 mg/m^3		TWA: 1 mg/m^3		TWA: 1 mg/m^3 STEL: 2 mg/m^3
TALC (RESPIRABLE DUST)	TWA: 2 mg/m^3	TWA: 2 mg/m^3	TWA: 3 mg/m^3	TWA: 2 mg/m^3	TWA: 2 mg/m^3
CALCIUM SILICATES AND ALUMINATES	TWA: 10 mg/m^3	TWA: 10 mg/m^3 TWA: 5 mg/m^3 TWA: 15 mg/m^3	TWA: 10 mg/m^3 TWA: 5 mg/m^3	TWA: 10 mg/m^3	TWA: 10 mg/m^3 STEL: 20 mg/m^3
ZINC COMPOUNDS	TWA: 2 mg/m^3 STEL: 10 mg/m^3	TWA: 5 mg/m^3 TWA: 10 mg/m^3 STEL: 10 mg/m^3 TWA: 15 mg/m^3	TWA: 10 mg/m^3 TWA: 5 mg/m^3 STEL: 10 mg/m^3	TWA: 2 mg/m^3 STEL: 10 mg/m^3	TWA: 5 mg/m^3 TWA: 10 mg/m^3 STEL: 10 mg/m^3

Engineering Measures Ensure adequate ventilation, especially in confined areas

Personal Protective Equipment

Skin Protection Lightweight protective clothing, Apron, Impervious gloves

Eye/face Protection Safety glasses with side-shields

Respiratory Protection	**Use only with adequate ventilation.** Do not breathe dust, vapors or spray mist. Ensure fresh air entry during application and drying. If you experience eye watering, headache or dizziness or if air monitoring demonstrates vapor/mist levels are above applicable limits, wear an appropriate, properly fitted respirator (NIOSH approved) during and after application. Follow respirator manufacturer's directions for respirator use.
General Hygiene Considerations	Handle in accordance with good industrial hygiene and safety practice. Avoid breathing dust created by cutting, sanding, or grinding.

9. PHYSICAL AND CHEMICAL PROPERTIES

Flash Point	38°C / 100.0°F	**Method**	Pensky Martens - Closed Cup
Boiling Point/Range	154 - 202°C / 310.0 - 395.0°F	**Upper Exposure Limits**	No information available
Lower Exposure Limits	No information available	**Evaporation Rate**	No information available
Vapour Pressure	No information available	**Vapour Density**	No information available
Specific Gravity	1.50474	**Density**	12.52170
VOC Content (lbs/gal)	2.940	**% Volatile by Weight**	23.4790
% Volatile by Volume	45.4029		

10. STABILITY AND REACTIVITY

Chemical stability	Stable.	**Conditions to Avoid**	Heat, flames and sparks.
Incompatible Products	Strong oxidizing agents. Acids.	**Possibility of Hazardous Reactions**	None under normal processing

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods	Keep container tightly closed. If spilled, contain spilled material and remove with inert absorbent. Dispose of contaminated absorbent, container and unused contents in accordance with local, state and federal regulations.
Contaminated Packaging	Empty containers should be taken for local recycling, recovery or waste disposal

16. OTHER INFORMATION

SARA 313

Component	CAS-No	Weight %	SARA 313 - Threshold Values
ZINC COMPOUNDS	1314-13-2	2.6079	1.0

HMIS **Health** 2 **Flammability** 2 **Reactivity** 1

Disclaimer

For specific information regarding occupational safety and health standards, please refer to the Code of Federal Regulations, Title 29, Part 1910.

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