

MATERIAL SAFETY DATA SHEET

MSDS Number: WP019996

Revision Date: August 2005

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

TRADE NAME: TAMKO TWP-2 Water Base Primer

USE & DESCRIPTION: Primer for waterproofing

CHEMICAL FAMILY: Polymer/resin emulsion

MANUFACTURED FOR:

TAMKO Roofing Products, Inc.
P.O. Box 1404
Joplin, MO 64802-1404

EMERGENCY TELEPHONE NUMBERS;

General Information: 1-904-284-7571 (8 a.m. - 5 p.m. EST)
1-620-429-1800 (8 a.m. - 5 p.m. CST)
1-417-624-6644 (8 a.m. - 5 p.m. CST)
Chemtrec: 1-800-424-9300

2. COMPOSITION/INFORMATION ON INGREDIENTS

Components	Cas No.	% by Wt.	Exposure Limits*				
			OSHA		ACGIH		Unit
			TWA	STEL	TWA	STEL	
Styrene Butadiene Polymer	Mixture	23-25	NE	NE	NE	NE	--
Water	7732-18-5	>50	NE	NE	NE	NE	--
Modified Rosin Ester	Proprietary	<25	NE	NE	NE	NE	--
Latex	Proprietary	<1.5	NE	NE	NE	NE	--

See Section 8 for additional relevant exposure limits
NE = Not established

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

WARNING!

DIRECT CONTACT MAY CAUSE EYE AND SKIN IRRITATION

VAPORS, MISTS OR FUMES MAY IRRITATE THE EYES AND RESPIRATORY TRACT

Potential Health Effects

EYE CONTACT:

May cause eye irritation. Prolonged and repeated contact may result in injury. Vapors, mists or fumes may be irritating.

SKIN CONTACT:

May cause skin irritation. Prolonged and repeated contact may result in injury.

SKIN ABSORPTION:

Not expected to be a significant exposure route following short-term exposure; however, repeated or prolonged exposure may result in absorption of hazardous components.

INGESTION:

May cause burning of the mouth and throat, and irritation of the digestive tract.

INHALATION:

Exposure to vapors, mists or fumes may cause headache, nausea and irritation of the nose and throat, and lungs. Repeated exposure to components of this product (rosin ester) may lead to respiratory sensitization (asthma).

CHRONIC EFFECT/CARCINOGENICITY/SPECIAL TOXIC EFFECTS

No specific information on this material.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

Pre-existing medical conditions that may be aggravated by exposure include disorders of the skin and respiratory tract including asthma.

4. FIRST AID MEASURES

EYE CONTACT:

Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the eye lids to ensure thorough rinsing. Seek medical attention if irritation persists or develops.

SKIN CONTACT:

Wash skin with soap and plenty of water while removing contaminated clothing and shoes. Get medical attention if irritation develops or persists. Wash contaminated clothing before reuse.

INGESTION:

If swallowed, do not induce vomiting. Drink a large volume of water and get immediate medical attention. Never give anything by mouth to an unconscious person. If vomiting occurs, keep head lower than hips to prevent aspiration.

INHALATION:

Remove person to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. If irritation persists or develops, seek medical attention

NOTES TO PHYSICIAN:

If ingestion occurs, the decision of whether or not to induce vomiting should be made by an attending physician. If lavage is performed, suggest endo-tracheal and/or esophageal control. No specific antidote. Treatment must be based on judgment of the physician in response to reactions of the patient.

5. FIRE FIGHTING MEASURES

FLASH POINT (METHOD): Not applicable

FLAMMABLE LIMITS (% VOLUME IN AIR - SOLVENT COMPONENT): Not applicable

AUTOIGNITION TEMPERATURE: Not applicable

EXTINGUISHING MEDIA:

If liquid has evaporated and solid resin/polymer portion of product is on fire, use carbon dioxide, dry chemical or water spray.

SPECIAL FIRE FIGHTING PROCEDURES:

Avoid breathing irritating and potentially toxic fumes following evaporation of liquid. Firefighters should not enter confined spaces without wearing NIOSH approved positive pressure breathing apparatus (SCBA) with full face mask and full protective equipment.

UNUSUAL FIRE OR EXPLOSION HAZARDS

Material can splatter above 100 °C (212 °F). Solution will boil and emit primarily steam until only solid resin and polymer remains. When solid portion of product is burned, it will emit acrid, dense smoke with a variety of combustion products (see Section 10).

6. ACCIDENTAL RELEASE MEASURES**PRECAUTIONS IF MATERIAL IS SPILLED OR RELEASED**

Avoid exposure using appropriate precautions outlined in this MSDS (see Section 8). Keep spectators away. Floor may be slippery; use care to avoid falling. Stop leak and contain spilled material with inert absorbent materials (e.g., sand, earth). Collect absorbed product and clean up materials in appropriate container for proper disposal. Move containers from spill area. Prevent materials from entering drains, sewers, or waterways.

WASTE DISPOSAL METHODS

Dispose in accordance with applicable Federal, State, and Local regulations.

7. HANDLING AND STORAGE**STORAGE TEMPERATURE**

Store above freezing (32 °F), but below 120 °F at atmospheric pressure.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Avoid unnecessary skin contact, and follow protective controls outlined in this MSDS (see Section 8). Recommend storage above 40 °F to avoid coagulation. Do not store near food and beverages or smoking materials.

Monomer vapors of the polymer component may be emitted if material is heated. See Section 8 for ventilation controls if necessary.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**RESPIRATORY PROTECTION**

Normally not needed in well-ventilated areas. If applicable standards are exceeded or are likely to be exceeded, use a NIOSH/MSHA approved, contaminant-specific, air-purifying respirator. If such concentrations are sufficiently high that this respirator is inadequate, or high enough to cause oxygen deficiency, use a positive pressure self-contained breathing apparatus (SCBA). Follow all applicable respirator use, fitting, and training standards and regulations.

Note: Air purifying respirators should be equipped with an ammonia/methylamine cartridge.

EYE PROTECTION

Chemical safety goggles or face shield needed if spraying or eye contact is possible.

SKIN

Neoprene gloves, apron, or other protective clothing needed to prevent skin contact.

VENTILATION

Use only with adequate ventilation to maintain exposures below appropriate exposure limits.

EXPOSURE GUIDELINES

See section 2 for component materials.

Additional potentially relevant exposure limits are listed below:

Components	CAS No.	Exposure Limits				
		OSHA		ACGIH		Unit
		TWA	STEL	TWA	STEL	
1,3-Butadiene	106-99-0	1000	NE	2, A2	NE	ppm
Toluene	108-88-3	200	300 (ceiling)	50	NE	ppm
Styrene	100-42-5	100	200 (ceiling)	50	100	ppm
Formaldehyde	50-00-0	3	5 (ceiling)	--	0.3 (C)	ppm

Other Information

Avoid prolonged or repeated skin contact. Remove contaminated clothing; launder or dry clean before reuse. Workers should wash their hands before breaks, meals, smoking and using toilet facilities. A fresh water sully, including an eyewash station for emergency first aid, and washing facilities should be readily available.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR

Milky white, viscous liquid. Sweet, mild odor.

BOILING POINT

Approximately 212 °F

PH

8-9

MELTING POINT

Not applicable.

SPECIFIC GRAVITY

1.0 - 1.2

VAPOR PRESSURE

Not available.

VAPOR DENSITY (AIR = 1)

Not available

% VOLATILE, BY VOLUME

Not available

SOLUBILITY IN WATER

Miscible

EVAPORATION RATE (BUTYL ACETATE = 1)

Not available.

OTHER PHYSICAL AND CHEMICAL DATA

Viscosity = approximately 100 to 400 CPS.

10. STABILITY AND REACTIVITY

STABILITY

Stable in normal temperatures and pressures. Polymer decomposition will occur at temperatures above 177 °C (350 °F).

CONDITIONS TO AVOID

Keep from freezing or from very high temperatures.

HAZARDOUS POLYMERIZATION

Will not occur.

INCOMPATIBILITY (MATERIALS TO AVOID)

Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS

Carbon monoxide, carbon dioxide, and oxides of nitrogen. Acrylic, butadiene, and styrene monomers and formaldehyde also may be emitted during thermal decomposition.

11. TOXICOLOGICAL INFORMATION

No specific data available for this material or its components.

12. ECOLOGICAL INFORMATION

No specific data on this product.

13. DISPOSAL CONSIDERATIONS

Dispose or incinerate in accordance with Federal, State, and Local regulations. Prevent materials from entering drains, sewers, or waterways.

14. TRANSPORT INFORMATION

DOT PROPER SHIPPING NAME: None

DOT HAZARD CLASSIFICATION: None

DOT LABELING REQUIREMENTS: None

UN/NA NUMBER: None

PLACARDS: None

This product not regulated by DOT under 49 CFR. Also not regulated for vessel transport under the IMDG Code.

15. REGULATORY INFORMATION**TOXIC SUBSTANCES CONTROL ACT (TSCA)**

The components in this product are listed on the TSCA Inventory.

COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION AND LIABILITY ACT (CERCLA): Not regulated

SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA), TITLE III SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES: NONE

SECTION 311/312 HAZARD CATEGORIES:
Immediate Health

SECTION 313 REPORTABLE INGREDIENTS:

Chemical Name	CAS Number	Concentration (% by Wt.)
Chloroprene	126-99-8	trace
Butadiene	106-99-0	trace
Toluene	108-88-3	trace
Styrene	100-42-5	trace

CALIFORNIA PROPOSITION 65

WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

16. OTHER INFORMATION

Preparation Date: January 31, 1996

Revised: July 1998; August 2004 for DOT Transport Information and Prop 65
Language; August 2005 for changes in emergency contact information.

Replaces: None

Disclaimer of Liability

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