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MATERIAL SAFETY DATA SHEET

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MSDS Date: 1/12/06

Supercedes All Previous Publications

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SECTION I PRODUCT INFORMATION

PRODUCT/CHEMICAL NAME: PRIMER
CHEMICAL FORMULA: Mixture
GENERAL USE: Primer for EPDM Membrane

Health	1
Flammability	4
Reactivity	0

SECTION II COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient Name	CAS Number	% wt. or % vol.
Toluene	108-88-3	75-85
Heptane	142-82-5	4-8
Hydrocarbon Tackifying Resin	68131-87-3	>3

Hazardous Ingredients: OSHA PEL ACGIH TLV NIOSH REL NIOSH

Ingredient	OSHA PEL		ACGIH TLV		NIOSH REL		NIOSH IDLH
	TWA	STEL	TWA	STEL	TWA	STEL	
Toluene	200 ppm	150 ppm	50 ppm	None estab.	100 ppm.	150 ppm	500 ppm
Heptane	500 ppm	None estab.	400 ppm.	500 ppm	85 ppm	None estab.	750 ppm.

SECTION III HAZARDS IDENTIFICATION

*****Emergency Overview*****

Appearance/Odor: Thin, green liquid with hydrocarbon odor.

WARNING: Flammable

Potential Health Effects

Primary Entry Routes: Eye contact, ingestion, inhalation, skin absorption, skin contact.

Target Organs: Kidney and liver.

Acute Effects:

Inhalation: May cause nose and/or throat irritation on short-term exposure to vapor. Aspiration into lungs can cause chemical pneumonitis, which can be fatal. Overexposure may result in headache, dizziness, fatigue, nausea and loss of consciousness.

Eye: May cause eye irritation on short-term exposure to liquid or vapor. Solvents may be absorbed through the skin in toxic amount.

Ingestion: May cause irritation of gastrointestinal tract.

Carcinogenicity: IARC, NTP, and OSHA do not list this product as a carcinogen.

Medical Conditions Aggravated by Long-Term Exposure: May cause more significant skin irritation in people with pre-existing skin conditions. Respiratory symptoms associated with pre-existing lung disorders and pre-existing heart disorders may be aggravated by exposure to this material.

Chronic Effects: Chronic exposure may cause reversible kidney and liver injury. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Repeated exposure to Toluene has been associated with high frequency hearing loss based on animal tests.

SECTION IV FIRST AID MEASURES

Inhalation: Remove victim to fresh air and provide oxygen if breathing is difficult. Give artificial respiration if not breathing. Get medical attention immediately.

Eye Contact: Immediately flush eyes with running water for at least 15 minutes. Get medical attention.

Skin Contact: Immediately flush skin with running water and remove contaminated clothing. Wash exposed area with soap and water. Get medical attention.

Ingestion: DO NOT induce vomiting. Get medical attention immediately.

Note to Physicians: This material contains Toluene and Heptane.

Special Precautions/Procedures: Whenever possible, remove the worker from the source of contamination.

=====SECTION V FIRE-FIGHTING MEASURES=====

Flash Point: 4.40°C (40°F)
 Flash Point Method: CC
 Autoignition Temperature: 536°C (997°F)
 UEL: 1.3% v/v
 UEL: 7.0% v/v

Flammability Classification: Ignition can occur when this product is exposed to heat, Division 2 sparks, or flame.
Extinguishing Media: In case of fire, use dry chemical, carbon dioxide, or foam. Water may not be effective as an extinguishing agent. Water fog or spray may be used to provide a smothering effect on fire and to cool fire-exposed containers and surrounding combustibles. Do not use a solid stream of water because it can scatter and spread the fire.
Unusual Fire or Explosion Hazards: Extremely flammable. Store and use away from all sources of heat, flame, or sparks. Do not smoke while applying. Vapors are heavier than air and may travel along ground or may be moved by ventilation and ignited by pilot lights, other flames, sparks, heaters, smoking, electrical motors, static discharge, or other ignition sources at locations distant from material handling point and flash back. All containers should be grounded when material is transferred.
Hazardous Combustion Products: Toxic gases or vapors, such as carbon monoxide or carbon dioxide, may be released in a fire.
Fire-Fighting Instructions: This product contains solvents that are dangerous fire and explosion hazards when exposed to heat or flame.
Fire-Fighting Equipment: Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) and full protective clothing along with a full face piece operated in pressure-demand or positive-pressure mode.

=====SECTION VI TYPICAL PROPERTIES & CHARACTERISTICS=====

Base	Synthetic Rubber
Color	Bronze to Olive Drab
Solids	18%
Flash Point	40°F (4.4°C)
Average Net Weight	7.5 lbs/gal (.9 Kg/liter)
Packaging	6-1 gallon pails/carton or 1-2.5 gallon pail
Shelf Life	6 months

CAUTIONS AND WARNINGS:

1. This product is FLAMMABLE. Precautions must be taken to keep the primer away from heat, flame and sparks during storage and use.
2. Keep container closed when not in use. Use with adequate ventilation. Avoid breathing vapors. Avoid contact with eyes and skin.
3. Chemically resistant gloves must be worn with primer to protect hands from staining and irritation. Hycron® gloves are designed for this purpose.
4. Thoroughly stir this product until all settled pigment is blended into the solution. Solids suspended in primer tend to settle. Stir or agitate the solution frequently during use (every 15-20 minutes).
5. Use full strength. Do not thin. Thinning will affect performance.
6. Primer may cause staining of white membrane and other non-black surfaces.
7. Job site storage temperatures in excess of 90°F may affect product shelf life. Should the primer be stored at temperatures lower than 60°F, restore to room temperature prior to use.
8. Keep can tightly closed when not in use to protect from moisture contamination. Once exposed to moisture in the air, primer begins to cure and may gel within a few days. A gasket of membrane or sealant can be used to create a positive seal.
9. Due to solvent flash-off, condensation may form on freshly applied primer when the ambient temperature is near the dew point. If condensation develops, the application of primer must be discontinued (proper adhesion will not be obtained). Allow the surface to dry and apply a thin fresh coat of primer to the previously coated surface when conditions allow.
10. REVIEW THE PRIMER SAFETY DATA SHEET FOR COMPLETE SAFETY INFORMATION PRIOR TO USE.
11. KEEP OUT OF THE REACH OF CHILDREN.

=====SECTION VII PREPARATION INFORMATION=====

DISCLAIMER: The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. It is the responsibility of the user to comply with all applicable federal, state and local laws and regulations. Prepared By: 2001 Inc.