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MATERIAL SAFETY DATA SHEET 3M 3M Center St. Paul, Minnesota 55144-1000 1-800-364-3577 or (651) 737-6501 (24 hours)

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DIVISION: 3M UNITEK TRADE NAME: 3M Unitek Transbond Plus Self Etching Primer (712-090, 712-091) ID NUMBER/U.P.C.: 70-2021-0623-6 - - - 70-2021-0835-6 - - - ISSUED: October 26, 2001 SUPERSEDES: September 17, 2001 DOCUMENT: 11-8348-2

Table with 3 columns: 1. INGREDIENT, C.A.S. NO., PERCENT. Row 1: Methacrylated Phosphoric Acid Esters..., Unknown, 75 - 85

2. PHYSICAL DATA BOILING POINT:..... N/D VAPOR PRESSURE:..... neglig. VAPOR DENSITY:..... neglig. EVAPORATION RATE:..... neglig. SOLUBILITY IN WATER:..... complete SPECIFIC GRAVITY:..... N/A PERCENT VOLATILE:..... N/A pH:..... 1.0 VISCOSITY:..... N/A MELTING POINT:..... N/A

APPEARANCE AND ODOR: Compartment 1: Viscous liquid, slightly yellow, slight odor. Compartment 2: Colorless liquid.

3. FIRE AND EXPLOSION HAZARD DATA FLASH POINT:..... > 284 F FLAMMABLE LIMITS - LEL:..... N/A FLAMMABLE LIMITS - UEL:..... N/A AUTOIGNITION TEMPERATURE:..... N/A

Abbreviations: N/D - Not Determined N/A - Not Applicable CA - Approximately

3. FIRE AND EXPLOSION HAZARD DATA (continued)

EXTINGUISHING MEDIA:

Water spray, Carbon dioxide, Dry chemical, Foam

SPECIAL FIRE FIGHTING PROCEDURES:

Fire fighters should wear full protective clothing including a self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Irritating gases may develop during a fire.

4. REACTIVITY DATA

STABILITY: Stable

INCOMPATIBILITY - MATERIALS/CONDITIONS TO AVOID:

Strong Bases, Strong Oxidizing Agents, Heat.

HAZARDOUS POLYMERIZATION: Hazardous polymerization will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS:

None known.

5. ENVIRONMENTAL INFORMATION

SPELL RESPONSE:

Refer to other sections of this MSDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment. Ventilate area. Contain spill. Evacuate unprotected personnel from hazard area. Carefully, with stirring and cooling, add waste product to a solution of soda ash (sodium carbonate) and slaked lime (calcium hydroxide). Confirm neutrality. Collect spilled material. Clean up residue with water. Place in a polyethylene-lined metal container. Do not seal for 48 hours.

RECOMMENDED DISPOSAL:

Cure product according to product instructions. Dispose of completely cured (or polymerized) material in a facility permitted to accept chemical wastes. Disposal alternative: Incinerate in a permitted hazardous waste incinerator in the presence of a combustible material.

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5. ENVIRONMENTAL INFORMATION (continued)

ENVIRONMENTAL DATA:
Not determined.

REGULATORY INFORMATION:
Volatile Organic Compounds: N/A.
VOC Less H₂O & Exempt Solvents: N/A.

Since regulations vary, consult applicable regulations or authorities before disposal. In the event of an uncontrolled release of this material, the user should determine if the release qualifies as a reportable quantity. U.S. EPA Hazardous Waste Number = D002 (Corrosive)

EPCRA HAZARD CLASS:
FIRE HAZARD: No PRESSURE: No REACTIVITY: No ACUTE: No CHRONIC: No

6. SUGGESTED FIRST AID

EYE CONTACT:
Immediately flush eyes with large amounts of water for at least 15 minutes. Get immediate medical attention.

SKIN CONTACT:
Immediately flush skin with large amounts of water for at least 15 minutes in a chemical safety shower while removing contaminated clothing and shoes. Get immediate medical attention. Wash contaminated clothing before reuse.

INHALATION:
If signs/symptoms occur, remove person to fresh air. If signs/symptoms continue, call a physician.

IF SWALLOWED:
Drink two glasses of water. Call a physician.

7. PRECAUTIONARY INFORMATION

EYE PROTECTION:
Avoid eye contact. Wear safety glasses with side shields.

SKIN PROTECTION:
Avoid skin contact. A no-touch technique is recommended. If skin contact occurs, wash skin with soap and water. Acrylates may penetrate commonly-used gloves. If product contacts glove, remove and discard glove, wash hands immediately with soap and water and then re-glove. Wear appropriate gloves when handling this material.

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7. PRECAUTIONARY INFORMATION (continued)

RECOMMENDED VENTILATION:

Use in a well-ventilated area.

RESPIRATORY PROTECTION:

Avoid breathing of vapors, mists or spray.

PREVENTION OF ACCIDENTAL INGESTION:

Do not ingest.

RECOMMENDED STORAGE:

Store at temperatures which are below 80 degrees F (26 degrees C).
Store away from heat. Store out of direct sunlight. Keep container
dry. Keep container closed when not in use.

FIRE AND EXPLOSION AVOIDANCE:

Keep away from heat, sparks, open flame, and other sources of
ignition.

OTHER PRECAUTIONARY INFORMATION:

For industrial or professional use only.

See package insert for additional precautionary warnings.

EXPOSURE LIMITS

INGREDIENT	VALUE	UNIT	TYPE	AUTH	SKIN*
Methacrylated Phosphoric Acid					
Esters.....	NONE	NONE	NONE	NONE	

* SKIN NOTATION: Listed substances indicated with 'Y' under SKIN refer to the potential contribution to the overall exposure by the cutaneous route including mucous membrane and eye, either by airborne or, more particularly, by direct contact with the substance. Vehicles can alter skin absorption.

SOURCE OF EXPOSURE LIMIT DATA:

- NONE: None Established

8. HEALTH HAZARD DATA

EYE CONTACT:

Eye contact is not expected to occur during normal use of the product.

Chemical Related Eye Burns (chemical corrosivity): signs/symptoms can include cloudy appearance of the cornea, chemical burns, pain,

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8. HEALTH HAZARD DATA (continued)

tearing, ulcers, impaired vision or loss of vision.

SKIN CONTACT:

Allergic Skin Reaction: signs/symptoms can include redness, swelling, blistering, and itching.

Skin Burns (chemical corrosivity): signs/symptoms can include redness, swelling, itching, pain, blistering, ulceration, sloughing, and scar formation.

INHALATION:

Irritation (upper respiratory): signs/symptoms can include soreness of the nose and throat, coughing and sneezing.

IF SWALLOWED:

Irritation of Gastrointestinal Tissues: signs/symptoms can include pain, vomiting, abdominal tenderness, nausea, blood in vomitus, and blood in feces.

Irritation of the Oral Mucosa: signs/symptoms can include bleeding, redness, swelling, and pain of the gums.

SECTION CHANGE DATES

INGREDIENTS SECTION CHANGED SINCE September 17, 2001 ISSUE
PHYSICAL DATA SECTION CHANGED SINCE September 17, 2001 ISSUE

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