



MATERIAL SAFETY DATA SHEET

PRODUCT NAME: MAXIM ADVANCED FOR WOOL

SECTION 1 COMPANY AND PRODUCT IDENTIFICATION

PRODUCT NAME: Maxim Advanced for Wool

MANUFACTURER:

Bridgepoint Systems
4282 W 590 W
Salt Lake City, UT 84123
Telephone: 801-261-1282
Date: 10/7/2011

EMERGENCIES: (800) 535-5053 (Infotrac)

NFPA/HMIS: Health 1 Flammability 0 Reactivity 0

SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS

Material	CAS Number	%
Water	7732-18-5	88-96
Partially Fluorinated Urethane		1-5
Phenolic Resin Condensate		1-3
Acrylic Polymer		1-3
1,3-Propanediol	504-63-2	1-2

SECTION 3 HAZARDS IDENTIFICATION

Potential Health Effects

Product may cause slight eye and skin irritation.

Exposure by inhalation to respirable particles of the product may cause lung irritation.

Carcinogenicity Information

None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as a carcinogen.

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SECTION 4 FIRST AID MEASURES

INHALATION: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

SKIN CONTACT: Flush skin with water after contact. Wash contaminated clothing before reuse.

EYE CONTACT: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

INGESTION: If swallowed, do not induce vomiting. Immediately give 2 glasses of water. Never give anything by mouth to an unconscious person. Call a physician.

Notes to Physicians

Activated charcoal mixture may be administered. To prepare activated charcoal mixture, suspend 50grams activated charcoal in 400 mL water and mix thoroughly. Administer 5 mL/kg, or 350 mL for an average adult.

SECTION 5 FIRE FIGHTING MEASURES

Flammable Properties

Does not ignite.

Extinguishing Media

Use media appropriate for surrounding material.

Fire Fighting Instructions

Wear self-contained breathing apparatus. Wear full protective equipment.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Safeguards (Personnel)

NOTE: Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before proceeding with clean-up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean-up.

Spill Clean-up

Soak up with sawdust, sand, oil dry or other absorbent material .

SECTION 7 HANDLING AND STORAGE

Handling (Personnel)

Avoid breathing vapors or mist. Avoid contact with eyes, skin or clothing. Wash thoroughly after handling.

Avoid circumstances that produce respirable particles unless suitable ventilation and protective equipment is used.

Storage

Keep away from heat, sparks and flames.

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SECTION 8 EXPOSURE CONTROLS

Engineering Controls

Use only with adequate ventilation.

Personal Protective Equipment

EYE/FACE PROTECTION

Wear safety glasses or coverall chemical splash goggles.

RESPIRATORS

Where there is potential for generation of respirable particles, wear NIOSH approved particulate respirators equipped with high efficiency filters or air supplied masks.

PROTECTIVE CLOTHING

Where there is potential for skin contact, have available and wear as appropriate, impervious gloves, apron, pants and jackets.

Exposure Guidelines

Applicable Exposure Limits

1,3-Propanediol

AEL : 5 mg/m³, 8 & 12 Hr. TWA

* AEL is Acceptable Exposure Limit. Where governmentally imposed occupational exposure limits which are lower than the AEL are in effect, such limits shall take precedence.

Exposure Guideline Comments

No AEL has been established for this product. A product with similar fluorinated material components has an AEL of 1 mg/m³ (8 hour TWA) for respirable size aerosol particles. Air monitoring studies conducted at customer sites indicates that the use of the recommended low pressure (less than 60psi) airless type, garden type or deck specific hand pump sprayer with spray tip orifice minimum of 0.031 inches in diameter does not produce respirable size aerosol particle concentrations near the AEL.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Physical Data

Solubility in Water	: 100 %
pH	: 5.0 to 5.2
Form	: Opaque Liquid
Color	: Tan
Specific Gravity	: 1.02 @ 20C (68F)
Density	: 8.5 lb/gal @ 25 C (77 F)

SECTION 10 STABILITY AND REACTIVITY

Chemical Stability

Stable at normal temperatures and storage conditions.

Incompatibility with Other Materials

None reasonably foreseeable.

Decomposition

Decomposition will not occur.

Polymerization

Polymerization will not occur.

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SECTION 11 TOXICOLOGICAL INFORMATION

Animal Data

Partially Fluorinated Urethane:

Oral Lethal Dose (ALD): > 11,000 mg/kg in rats

Eye: Mild irritation

Skin: Very slight irritation

Bacterial Reverse Mutation (Ames): +/- S9 activation, negative (did not produce mutations)

Local Lymph Node Assay (LLNA): Not a skin sensitizer in mice.

NOAEL for maternal and developmental toxicity: 1000mg/kg/day.

1,3-Propanediol:

Oral LD50: 15,000 mg/kg in rats

Dermal LD50: > 20,000 mg/kg in rabbits

Inhalation 4 hour ALC: >5.0 mg/L in rats

1,3-Propanediol is not an eye irritant, is a slight skin irritant, and is not a skin sensitizer. Repeated exposure of rats by oral gavage caused notoxicologically important changes in clinical pathology, pathology (including sperm analyses), or in-life measurements. The NOEL for this study was 1000 mg/kg/day, the highest dose tested. These results suggest that changes to testicular DNA and liver substructure observed in earlier studies are unlikely to cause adverse effects. Repeated inhalation exposure in rats caused no toxicologically important changes in clinical pathology, pathology, or in-life measurements. The NOEL was 1800 mg/m³. Animal data show that 1,3-Propanediol is not uniquely toxic to the fetus. Information about reproductive toxicity potential is limited to information from the oral repeated dose study in rats where no adverse effects to sperm and reproductive organs were observed. 1,3-Propanediol is not likely to be a genetic toxin. In vitro, it was not mutagenic in bacterial or mammalian cells. An increase in chromosome aberrations was observed in mammalian cells under certain conditions, but a repeat study with 1,3-propanediol manufactured by DuPont was negative for all test conditions. 1,3-Propanediol was also negative in the in vivo mouse micronucleus assay. No animal data are available to define the carcinogenic potential of 1,3-Propanediol.

SECTION 12 ECOLOGICAL INFORMATION

Ecotoxicological Information

Aquatic Toxicity:

Partially Fluorinated Urethane:

48 hour EC50: 4.3 mg/L

1,3-Propanediol:

48 hour EC50 - Daphnia magna: 7417 mg/L

96 hour LC50 - Fathead minnows: > 9720 mg/L

72 hour EC50 - algae: 1600 mg/L

SECTION 13 DISPOSAL CONSIDERATIONS

Contain with chemical absorbent material. Do not dispose of on the land, in surface waters, or in storm drains. Small spills and waste may be flushed into a waste treatment sewer where local regulations permit. Larger quantities should be collected for reuse or consigned to a licensed hazardous waste hauler for disposal in accordance with federal, state and local regulations. **All disposal must be in accordance with all federal, state and local regulations.**

SECTION 14 TRANSPORTATION INFORMATION

No restrictions for Ground, Air, or Maritime Transportation in accordance with 49 CFR parts 100-185.

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SECTION 15 REGULATORY INFORMATION

All components are listed on TSCA

SECTION 16 OTHER INFORMATION

This product has no established regulatory information. All regulatory information given is based on individual components of the mixture by component number. While this information and recommendations set forth herein are believed to be accurate and reliable, it is provided without warranty regarding its accuracy. BRIDGEPOINT SYSTEMS MAKES NO WARRANTY WITH RESPECT HERETO AND DISCLAIMS ALL LIABILITY FROM RELIANCE THEREON. Users must determine safe conditions for use and assume liability for any loss, injury, damage or expense resulting from use of this product.

N/A= Not applicable N/D= Not determined N/E= Not established