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**SECTION 1 - PRODUCT INFORMATION**

**Trade Name:** UltraGuard Plus Part B  
**Product Type:** Curing Agent  
**Date:** August 3, 2010

**HMIS Hazard Class:**

Health = **2**  
Flammability = **2**  
Reactivity = **1**  
Other = **NA**



**Rankings:**  
0 = Least  
1 = Slight  
2 = Moderate  
3 = High  
4 = Extreme

**SECTION 2 – HAZARDOUS IDENTIFICATION**

**Emergency Overview:**

**Physical State:** Liquid.

**Odor:** Of Solvent.

**Color:** Amber to Yellowish.

**Personal Protection:** See MSDS Section 8.

**DANGER:** MAY BE HARMFUL IF SWALLOWED. MAY CAUSE ALLERGIC SKIN AND RESPIRATORY REACTION. COMBUSTIBLE LIQUID & VAPOR.

**Relevant Routes of Exposure:**

Skin, Inhalation, Eyes.

**Potential Health Effects:**

**Inhalation:** May cause allergic respiratory reaction. Sensitization can either be temporary or permanent. May cause severe respiratory tract irritation. Inhalation of mist or spray may be harmful. Lung damage. Exposure to Diisocyanates may cause the following human health effects: skin irritation and allergic reactions, respiratory irritation, respiratory sensitization and lung toxicity; some diisocyanates also may cause cancer. The likelihood that these effects will occur depends on a number of factors; among them the level of exposure, frequency of exposure, part of body exposed and sensitivity of the exposed individual.

**Skin Contact:** This material is a primary skin irritant. May cause allergic skin reaction. Once sensitized, an individual may react even to airborne levels below the tlv with the following symptoms: itching and tingling of the earlobes and neck, rash, hives, swelling of the arms and legs or other symptoms common to allergic dermatitis.

**Eye Contact:** May cause severe eye irritation.

**Ingestion:** Harmful or fatal if swallowed. Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea. May cause an aspiration hazard if swallowed. Aspirated material can enter the lungs and result in pneumonitis.

**Existing Conditions Aggravated  
by Exposure:**

None known.

This material is considered hazardous by the osha hazard communication Standard (29 CFR 1910.1200).

See section 11 for additional toxicological information.

### SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components	CAS Number	%
Aliphatic Polyisocyanate	Unknown	60 – 100
BIS (2-Methoxyethyl) Ether	111-96-6	10 – 30
Hexamethylene – 1,6-Diisocyanate	822-06-0	0.1 – 1

### SECTION 4 – FIRST AID MEASURES

**Eye Contact:** Rinse immediately with plenty of water for at least 15 minutes. Get immediate medical attention. .

**Skin Contact:** Immediately flush skin with plenty of water (using soap if available). Remove contaminated clothing and footwear. Get immediate medical attention. .

**Inhalation:** Move to fresh air in case of accidental inhalation of vapors or decomposition products. If not breathing, give artificial respiration. Get immediate medical attention.

**Ingestion:** DO NOT induce vomiting. Get immediate medical attention.

### SECTION 5 – FIRE FIGHTING MEASURES

**Flash Point:** 65.6°C (150.08°F)

**Autoignition Temperature:** Not Determined

**Flammable/Explosive Limits (Lower):** Not Determined

**Flammable/Explosive Limits (Upper):** Not Determined

**Extinguishing Media:** Carbon Dioxide. Dry Chemical.

**Special Fire Fighting Procedures:** Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear. Cartridge respirators do not provide adequate protection for fire fighters or exotherm mitigation. Water should be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

**Unusual Fire or Explosion Hazards:** isolate from heat, electrical equipment, sparks and open flame. Closed containers may explode when exposed to extreme heat. Overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

**Hazardous Combustion Products:** Thermal decomposition can lead to the release of irritating gases and vapors. Oxides of carbon. Oxides of nitrogen.

### SECTION 6 – ACCIDENTAL RELEASE MEASURES

**USE PERSONAL PROTECTION RECOMMENDED IN SECTION 8, ISOLATE THE HAZARD AREA AND DENY ENTRY TO UNNECESSARY AND UNPROTECTED PERSONNEL.**

**Environmental Precautions:** Prevent further leakage or spillage if safe to do so. Do not allow material to contaminate ground water system. Avoid subsoil penetration.

**Clean-Up Methods:** Evacuate and ventilate spill area; dike spill to prevent entry into water system; wear full protective equipment during clean-up. If temporary control of isocyanate vapor is required, a blanket of protein foam (available at most fire departments) may be placed over spill. For minor spills, absorb isocyanates with sawdust or other absorbent, shovel into suitable unsealed containers, transport to well ventilated area (outside) and treat with neutralizing solution: mixture of 80% water and 20% non-ionic surfactant Tergitol TMN-10; or 90% water, 3-8% concentrated ammonia and 2% detergent. Add about ten parts of neutralizer per part of isocyanate, with mixing.

## SECTION 7 – HANDLING AND STORAGE

**Handling:** Prevent contact with eyes, skin and clothing. DO NOT breathe vapor and mist. Wash thoroughly after handling. Keep away from heat, spark and flame. Empty containers retain product residue, so obey hazard warnings and handle empty containers as if they were full.

**Storage:** For safe storage, store between 0°C (32°F) and 46°C (114.8°F). Store large quantities in compliance with OSHA 29 cfr 1210.106. DO NOT cut or weld container.

FOR INFORMATION ON PRODUCT SHELF LIFE CONTACT WERKMASTER CUSTOMER SERVICE AT 1-866-373-WERK.

## SECTION 8 – EXPOSURE CONTROLS /PERSONAL PROTECTION

EMPLOYERS SHOULD COMPLETE AN ASSESSMENT OF ALL WORKPLACES TO DETERMINE THE NEED FOR, AND SELECTION OF, PROPER EXPOSURE CONTROLS AND PROTECTIVE EQUIPMENT FOR EACH TASK PERFORMED.

Hazardous Components	ACGIH TLV	OSHA PEL	Aiha Weel	Other
Aliphatic Polyisocyanate	None	None	None	None
BIS (2-Methoxyethyl) Ether	None	None	None	None
Hexamethylene – 1,6-Diisocyanate	0.005 ppm TWA	None	None	0.02 ppm Ceiling TVL-C

**Engineering Controls:** Work should be done in an adequately ventilated area (i.e., ventilation sufficient to maintain concentrations below one half of the pel and other relevant standards). Local exhaust ventilation is recommended when general ventilation is not sufficient to control airborne contamination.

**Respiratory Protection:** observe osha regulations for respiratory use (29 cfr 1910.134) a positive pressure, supplied-air respirator or a self-contained breathing apparatus is recommended when: airborne concentrations of isocyanate are known to exceed 0.005 ppm; operations are performed in a confined space or area with limited ventilation; material is heated or sprayed.

**Eye/Face Protection:** DO NOT wear contact lenses. Wear safety goggles or safety glasses with side shields. Full face protection should be used if the potential for splashing or spraying of product exists.

**Skin Protection:** Use impermeable gloves and protective clothing as necessary to prevent skin.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Liquid.

**Color:** Amber to Yellowish.

**Odor:** Of Solvent.

**PH:** Not Available.

**Boiling Point/Range:** 162°C (323.6°F).

**Vapor Density:** Heavier than Air.

**Flash Point:** 65.6°C (150.08° F).

**Autoignition Temp.:** Not Determined.

**Solubility In Water:** Not Determined.

**Odor Threshold:** Not Available.

**Vapor Pressure:** Not Determined.

**Melting Point/Range:** Not Applicable.

**Specific Gravity:** 1.1 At 20°C (68°F) (Water=1).

**Flammable/Explosive Limits Lower:** Not Determined.

**Evaporation Rate:** Slower Than Diethyl Ether.

**Partition Coefficient (N-Octanol/Water):** Not Determined.

**VOC Content:** 271 G/L (Minus Exempt Solvents And Water).

## SECTION 10 – STABILITY AND REACTIVITY

**Stability:** Stable under normal conditions of storage and use.

**Hazardous Reactions:** Will not occur.

**Hazardous decomposition Products:** Oxides of Carbon. Oxides of Nitrogen. Isocyanates.

**Incompatible Materials:** Alcohols. Water.

**Conditions to Avoid:** Avoid temperatures above 46°C (115°F). Keep away from open flames, hot surfaces and sources of ignition. Store away from incompatible materials.

**SECTION 11 – TOXICOLOGICAL INFORMATION**

<b>Hazardous Components</b>	<b>NTP Carcinogen</b>	<b>IARC Carcinogen</b>	<b>OSHA Carcinogen</b> <i>(Specifically Regulated)</i>
Aliphatic Polyisocyanate	No	No	No
BIS (2-Methoxyethyl) Ether	No	No	No
Hexamethylene – 1,6-Diisocyanate	No	No	No

<b>Hazardous Components</b>	<b>Health Effects/Target Organs</b>
Aliphatic Polyisocyanate	No Data
BIS (2-Methoxyethyl) Ether	No Data
Hexamethylene – 1,6-Diisocyanate	Allergen Central Nervous System, Irritant, Respiratory

**SECTION 12 – ECOLOGICAL INFORMATION**

No information available.

**SECTION 13 – DISPOSAL CONSIDERATIONS** (INFORMATION PROVIDED IS FOR UNUSED PRODUCT ONLY.)

<b>Recommended Method of Disposal:</b>	Waste disposal must be in accordance with appropriate federal, state and/or local regulations . This product, if unaltered by use, may be disposed of by treatment at a permitted facility or as advised by your local hazardous waste regulatory authority. Residue from fires extinguished with this material may be hazardous.
<b>Hazardous Waste Number: :</b>	Waste must be tested for ignitability to determine the applicable EPA Hazardous waste numbers.

**SECTION 14 – TRANSPORT INFORMATION**

<b>Proper Shipping Name:</b>	<b><u>U.S. Department Of Transportation Ground (49 CFR)</u></b> Combustible Liquid, N.O.S. (Diethylenglycoldimethylether).
<b>Hazard Class Or Division:</b>	Combustible Liquid.
<b>Identification Number:</b>	NA 1993
<b>Packing Group:</b>	III

<b>Proper Shipping Name:</b>	<b><u>International Air Transportation (ICAO/IATA)</u></b> Not Regulated.
<b>Hazard Class Or Division:</b>	None.
<b>Identification Number:</b>	None.
<b>Packing Group:</b>	None.

<b>Proper Shipping Name:</b>	<b><u>Water Transportation (IMO/IMDG)</u></b> Not Regulated.
<b>Hazard Class Or Division:</b>	None.
<b>Identification Number:</b>	None.
<b>Packing Group:</b>	None.

## SECTION 15 – REGULATORY INFORMATION

### United States Regulatory Information

**TSCA 8 (B) Inventory Status:**

All components are listed or exempt from listing on the toxic substances Aontrol act inventory.

**TSCA 12(B) Export Notification:**

None above reporting de minimus.

**CERCLA/SARA Section 302 EHS:**

None above reporting de minimus.

**CERCLA/SARA Section 311/312:**

Immediate health.

**CERCLA/SARA 313:**

This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the emergency planning and community right-to-know act of 1986 (40 cfr 372). Bis (2-Methoxyethyl) Ether (CAS # 111-96-6).

**California Proposition 65:**

This product contains a chemical known to the state of california to cause cancer. This product contains a chemical known to the state of california to cause birth defects or other reproductive harm.

### Canada Regulatory Information

**CEPA DSL/NDSL Status:**

Contains one or more components listed on the non-domestic substances list. All other components are listed on or are exempt from listing on the domestic substances list. Components listed on the NDSL must be tracked by all Canadian importers of record as required by environment canada. They may be imported into canada in limited quantities. Please contact regulatory affairs for additional details.

**WHMIS Hazard Class :**

D.2.B

## SECTION 15 – OTHER INFORMATION

All information appearing herein is based upon data obtained from chemical manufacturers and or recognized technical sources. While the information is believed to be accurate, west coast chemical corporation makes no representations as to its accuracy or sufficiency. Conditions of use are beyond west coast chemical corporation's control and therefore users are responsible for and assume all risks of their use, handling, and disposal of the product, or from the publication or use of, or reliance upon, information contained herein. This information relates only to the product designated herein, and does not relate to its use in combination with any other material or in any other process.

The corporate safety and environmental affairs department is responsible for the preparation of this material safety data sheet.