

<b>Bio/CR-9 Wall System</b>		
<b>Proper Name</b>	<b>Use within System</b>	<b>Name on General MSDS List</b>
Polyurethane adhesive	Panel adhesive	9500 polyurethane adhesive
Bio/CR-9 Wall Panel	Wall panel	Bio/CR-9 Panel
Lord - Urethane Sealant	Lord-TwoPart Urethane Sealing Compound	Lord - 7555E Sealant



# Bio/CR-9

Healthcare  
Wall Panel System



## PVC Free Wall Panel System

for

ORs, Imaging Rooms, Pharmacy,  
Sterile Processing, Isolation Rooms,  
X-ray, Sterile Corridors and more.

### Bio/CR-3 Features:

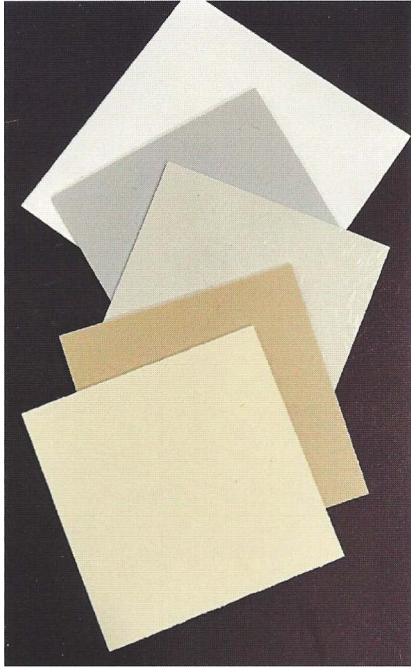
- Completely Sealed Wall System
- Class "A" Fire-Rated
- Smooth Low Gloss Matte Finish
- Superior Impact Resistance
- Impervious to Moisture.
- Excellent Chemical Resistance.
- White, Standard and Custom Colors

**Life Science Products, Inc.**

124 Speer Road, Chestertown, MD 21620  
www.lspinc.com | 800-638-9874 | info@lspinc.com

## Bio/CR-9 General Description:

The Bio/CR-9 Panel System is part of the LSP Healthcare Biocontainment/Clean Room product line. The composite polymer reinforced panels are 3mm thick with a Low Gloss Smooth Matte Finish and are PVC FREE. The surface is impervious to water and is stain, chemical and impact resistant. Panels are available in 4'x8', 4'x9', 4'x10', 4'x12' and custom lengths. The Bio/CR-9 panel has passed the ASTM E-84 with a Class "A" Fire Rating. Seams are sealed by LSP certified installers using a LEED compliant, smooth finish urethane compound. Seams can also be finished with color match caulk or color matched moldings. Standard colors are white, tan, almond, pearl and silver. Custom colors also available.



## Standard Colors:

White  
Pewter  
Silver  
Tan  
Almond

## Physical Properties:

Minimum Weight: 0.8 lbs/sq.ft.  
Standard Sizes: 4'x8', 4'x9', 4'x10'  
Panel Thickness: 3mm  
Color: White, Beige, Pewter, Tan & Almond  
Finish: Smooth Matte  
Hardness: ASTM D-2583 50 Barcol  
Izod Impact: ASTM D-256 12  
Flexural Mod: ASTM D-790 1,400,000  
Flexural Strength: ASTM D-790 133,000  
Tensile Strength: ASTM D-638 630,000  
Tensile Modulus: ASTM D-638 7,700,000  
Water Vapor Trans: ASTM E-96 <0.0001 perms  
Air Permeance: ASTM E-2178 0.00001 @ 300pa  
Coefficient Lin. Thermal Exp: ASTM D-696 1.4x10<sup>3</sup>  
Taber Abrasion Resistance: 0.04% (Taber Test)

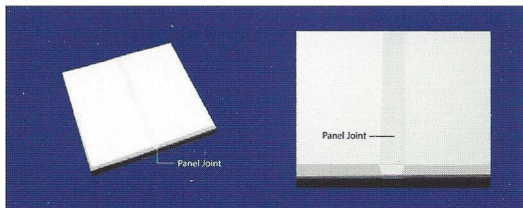
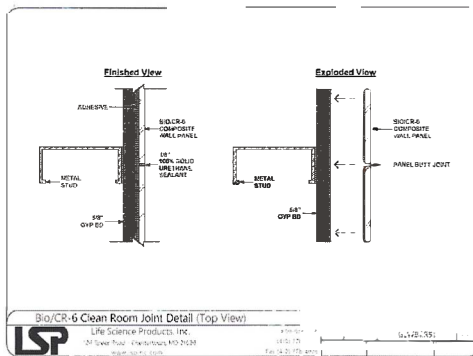
## Surface Chemical Resistance:

Acetic Acid – Excellent  
Acetone - Good  
Benzene – Good  
Citric Acid (10%) – Excellent  
Hydrofluoric Acid (10%) - Good  
Hydrogen Peroxide (28%) - Excellent  
Mineral Spirits – Excellent  
Nitric Acid (40%) – Excellent  
Potassium Chloride – Excellent  
Sodium Chloride (10%) - Excellent  
Sodium Hydroxide (10%) – Excellent  
Sodium Hypochlorite (5%) - Excellent  
Sulfuric Acid (30%) – Good  
Urea – Good

Excellent = No Surface Effect. No Yellowing  
Good = Slight Change to Surface Opacity. No Yellowing

Correlation of test results with actual performance is dependent upon the similarity between testing and in-use conditions. LSP recommends you test our surface in your specific conditions before use of any chemical cleaning agent. Always follow manufacturer instructions for use procedures and removal of chemical agents. None of the above should be construed as a recommendation for use.

## Bio/CR-9 Seamless Joint Detail



## Panel and Finished Joint

**LSP Products in demand at these and other highly respected hospitals and institutions.**

M.D. Anderson | Dana Farber | Cleveland Clinic  
Walter Reed Hospital | Aurora Health System  
St. Jude's - Memphis | Childrens Mercy Hospital

Material Safety Data Sheet

May be used to comply with  
 OSHA's Hazard Communication Standard  
 29 CFR 1910.1200 Standard must be  
 consulted for specific requirements

U.S. Department of Labor  
 Occupational Safety and Health Administration  
 (Non-Mandatory Form)  
 Form Approved  
 OMB No. 1218-0072

IDENTITY (As Used on Label and List) <p style="text-align:center">Kal-Lite</p>	Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that
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Section I	
Manufacturer's Name Kal-Lite Sales Division	Emergency Telephone Number (603) 627-3861
Address (Number, Street, City, State and ZIP Code) 1111 Candia Road	Telephone Number for Information (603) 627-3861
P.O. Box 237	Date Prepared 12-2013
Manchester, N.H. 03105	Signature of Preparer (Optional) MC

Section II – Hazardous Ingredients/ Identity Information				
Hazardous Components (Specific Chemical Identity: Common Names(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)

Kal-Lite (F.R.P.) panels are solid sheets composed of glass, calcium carbonate, titanium dioxide, alumina and pigment embedded in a cured polymerized, styrenated/ acrylated polyester.

\* Not listed in NTP, LARC, OSHA

Section III – Physical Characteristics	
Boiling Point	Specific Gravity (H2O = 1)
N/A	446-1.8
Vapor Pressure (mm Hg.)	Melting Point
N/A	N/A
Vapor Density (AIR =1)	Evaporation Rate (Butyl Acetate = 1)
N/A	N/A
Solubility in Water	
Insoluble	
Appearance and Odor	
Rigid Sheet, No Odor	

Section IV – Fire and Explosion Hazard Data			
Flash Point (Method Used)	Flammable Limits	LEL	UEL
Ignition temperature higher than paper, 451 F	N/A	N/A	N/A
Extinguishing Media			
Water, CO 2, Dry Chemical			
Special Fire Fighting Procedure			
Use media belt suited for fire environment. Use self-contained breathing apparatus for large scale fire			
Unusual Fire and Explosion Hazard			
Combustion may yield CO, CO2, aliphatic and aromatic hydrocarbons and halogenated compounds.			

Tests show combustion gases to be less toxic than those from wood.

(Reproduce locally)



# USA SAFETY DATA SHEET

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: **LORD 7555 E**  
Product Use/Class: **Adhesive / Sealant**

LORD Corporation  
111 LORD Drive  
Cary, NC 27511-7923 USA

Telephone: 814 868-3180  
Non-Transportation Emergency: 814 763-2345  
Chemtrec 24 Hr Transportation Emergency No.  
800 424-9300 (Outside Continental U.S. 703 527-3887)

**EFFECTIVE DATE:** 08/05/2016

## 2. HAZARDS IDENTIFICATION

### GHS CLASSIFICATION:

All components of this product have either not been classified according to GHS or are below the threshold concentration required for classification. Please refer to section 2-Other Hazards for possible hazards associated with this product.

### Hazard Statements

Refer to Section 2; Other Hazards.

### Precautionary Statements

#### Prevention

Refer to Section 6 of this SDS.

#### Response

Refer to Section 4 of this SDS.

#### Storage

Refer to Section 7 of this SDS.

#### Disposal:

Dispose of contents/container in accordance with waste/disposal laws and regulations of your country or particular locality.

### Other Hazards:

**This product contains component(s) which have the following warnings; however based on the GHS classification criteria of your country or locale, the product mixture may be outside the respective category(s).**

**Acute:** Eye contact may cause slight irritation. May cause mild skin irritation. Harmful if swallowed. Ingestion is not an expected route of entry in industrial or commercial uses.

**Chronic:** IARC has designated titanium dioxide (TiO<sub>2</sub>) as Group 2B □ possibly carcinogenic to humans in dust form. However, a number of long term animal studies and human epidemiology studies evaluating TiO<sub>2</sub> and workplace exposure show insufficient evidence for carcinogenic effects. EPA, NTP and OSHA do not designate TiO<sub>2</sub> as a carcinogen and ACGIH designates TiO<sub>2</sub> as A4 - not classifiable as a human carcinogen. Mortality from other chronic diseases, including other respiratory diseases, was not associated with exposure to TiO<sub>2</sub> dust. TiO<sub>2</sub> is not present in this product as a dust and no airborne exposure is expected during application.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Range
Titanium dioxide	13463-67-7	5 - 10 %

Any "PROPRIETARY" component(s) in the above table is considered trade secret, thus the specific chemical and its exact concentration is being withheld.

## 4. FIRST AID MEASURES

**FIRST AID - EYE CONTACT:** Flush eyes immediately with large amount of water for at least 15 minutes holding eyelids open while flushing. Get prompt medical attention.

**FIRST AID - SKIN CONTACT:** Flush contaminated skin with large amounts of water while removing contaminated clothing. Wash affected skin areas with soap and water. Get medical attention if symptoms occur.

**FIRST AID - INHALATION:** This material is not likely to be hazardous by inhalation. However, if exposed to excessive levels of vapor or mist, remove to fresh air, give oxygen if breathing is difficult, and get immediate medical attention.

**FIRST AID - INGESTION:** If swallowed, do not induce vomiting. Call a physician or poison control center immediately for further instructions. Never give anything by mouth if victim is rapidly losing consciousness, unconscious or convulsing.

## 5. FIRE-FIGHTING MEASURES

**SUITABLE EXTINGUISHING MEDIA:** Carbon Dioxide, Dry Chemical, Foam, Water Fog

**UNSUITABLE EXTINGUISHING MEDIA:** Not determined for this product.

**SPECIFIC HAZARDS POSSIBLY ARISING FROM THE CHEMICAL:** Keep containers tightly closed. Closed containers may rupture when exposed to extreme heat. Use water spray to keep fire exposed containers cool. During a fire, irritating and/or toxic gases and particulate may be generated by thermal decomposition or combustion.

**SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE-FIGHTERS:** Wear full firefighting protective clothing, including self-contained breathing apparatus (SCBA). If water is used, fog nozzles are preferable.

## 6. ACCIDENTAL RELEASE MEASURES

**PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, AND EMERGENCY PROCEDURES:** Avoid contact. Avoid breathing vapors.

**ENVIRONMENTAL PRECAUTIONS:** Do not contaminate bodies of water, waterways, or ditches, with chemical or used container.

**METHODS AND MATERIALS FOR CONTAINMENT AND CLEANUP:** Keep non-essential personnel a safe distance away from the spill area. Notify appropriate authorities if necessary. Avoid contact. Before attempting cleanup, refer to hazard caution information in other sections of the SDS form. Contain and remove with inert absorbent material.

## 7. HANDLING AND STORAGE

**HANDLING:** Keep closure tight and container upright to prevent leakage. Avoid skin and eye contact. Wash thoroughly after handling. Do not handle until all safety precautions have been read and understood. Empty containers should not be re-used. Use with adequate ventilation.

**STORAGE:** Store only in well-ventilated areas. Keep container closed when not in use.

**INCOMPATIBILITY:** Acids, caustics, amines, ammonia, halogens, and isocyanates.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### COMPONENT EXPOSURE LIMIT

<u>Chemical Name</u>	<u>ACGIH TLV-TWA</u>	<u>ACGIH TLV-STEL</u>	<u>OSHA PEL-TWA</u>	<u>OSHA PEL-CEILING</u>	<u>Skin</u>
Titanium dioxide	10 mg/m <sup>3</sup>	N.E.	15 mg/m <sup>3</sup>	N.E.	N.A.

N.A. - Not Applicable, N.E. - Not Established, S - Skin Designation

**Engineering controls:** Provide adequate general ventilation where this product is used.

**PERSONAL PROTECTION MEASURES/EQUIPMENT:**

**RESPIRATORY PROTECTION:** Respiratory protection is not required under normal working conditions where adequate ventilation is present.

**SKIN PROTECTION:** Use neoprene, nitrile, or rubber gloves to prevent skin contact.

**EYE PROTECTION:** Use safety eyewear including safety glasses with side shields and chemical goggles where splashing may occur.

**OTHER PROTECTIVE EQUIPMENT:** Remove and wash contaminated clothing before reuse.

**HYGIENIC PRACTICES:** Wash hands before eating, smoking, or using toilet facility. Do not smoke in any chemical handling or storage area. Food or beverages should not be consumed anywhere this product is handled or stored. Wash thoroughly after handling.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Typical values, not to be used for specification purposes.

<b>ODOR:</b>	Slight	<b>VAPOR PRESSURE:</b>	N.D.
<b>APPEARANCE:</b>	White	<b>VAPOR DENSITY:</b>	Heavier than Air
<b>PHYSICAL STATE:</b>	Paste	<b>LOWER EXPLOSIVE LIMIT:</b>	Not Applicable
<b>FLASH POINT:</b>	≥ 201 °F, 93 °C	<b>UPPER EXPLOSIVE LIMIT:</b>	Not Applicable
	Setaflash Closed Cup		
<b>BOILING RANGE:</b>	N.A.	<b>EVAPORATION RATE:</b>	Not Applicable
<b>AUTOIGNITION TEMPERATURE:</b>	N.D.	<b>DENSITY:</b>	1.2 g/cm <sup>3</sup> - 10.00 lb/gal
<b>DECOMPOSITION TEMPERATURE:</b>	N.D.	<b>VISCOSITY, DYNAMIC:</b>	N.D.
<b>ODOR THRESHOLD:</b>	N.D.	<b>VISCOSITY, KINEMATIC:</b>	N.D.
<b>SOLUBILITY IN H<sub>2</sub>O:</b>	Insoluble	<b>VOLATILE BY WEIGHT:</b>	0.00 %
<b>pH:</b>	N.A.	<b>VOLATILE BY VOLUME:</b>	0.00 %
<b>FREEZE POINT:</b>	N.D.	<b>VOC CALCULATED:</b>	0 lb/gal, 0 g/l
<b>COEFFICIENT OF WATER/OIL DISTRIBUTION:</b>	N.D.		

**LEGEND:** N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

### 10. STABILITY AND REACTIVITY

**HAZARDOUS POLYMERIZATION:** Hazardous polymerization will not occur under normal conditions.

**STABILITY:** Product is stable under normal storage conditions.

**CONDITIONS TO AVOID:** High temperatures.

**INCOMPATIBILITY:** Acids, caustics, amines, ammonia, halogens, and isocyanates.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon monoxide, carbon dioxide, Metal oxides

### 11. TOXICOLOGICAL INFORMATION

**EXPOSURE PATH:** Refer to section 2 of this SDS.

**SYMPTOMS:** Refer to section 2 of this SDS.

**TOXICITY MEASURES:**

Chemical Name	LD50/LC50
Titanium dioxide	Oral LD50: Rat > 10,000 mg/kg Dermal LD50: rabbit > 5,000 mg/kg GHS LC50 (vapour): Acute toxicity point estimate 55 mg/l

**Germ cell mutagenicity:** No classification proposed

**Carcinogenicity:** No classification proposed

**Reproductive toxicity:** No classification proposed

## 12. ECOLOGICAL INFORMATION

### ECOTOXICITY:

Chemical Name	Ecotoxicity
Titanium dioxide	N.D.

**PERSISTENCE AND DEGRADABILITY:** Not determined for this product.

**BIOACCUMULATIVE:** Not determined for this product.

**MOBILITY IN SOIL:** Not determined for this product.

**OTHER ADVERSE EFFECTS:** Not determined for this product.

## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Disposal should be done in accordance with Federal (40CFR Part 261), state and local environmental control regulations. If waste is determined to be hazardous, use licensed hazardous waste transporter and disposal facility.

## 14. TRANSPORT INFORMATION

This product is NOT REGULATED for non-bulk US DOT Road, IATA Cargo or IMDG shipments. For the most accurate shipping information, refer to your transportation/compliance department regarding changes in package size, mode of shipment or other regulatory descriptors.

## 15. REGULATORY INFORMATION

### U.S. FEDERAL REGULATIONS: AS FOLLOWS:

#### SARA SECTION 313

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372.:

NONE

#### TOXIC SUBSTANCES CONTROL ACT:

##### INVENTORY STATUS

The chemical substances in this product are on the TSCA Section 8 Inventory.

##### EXPORT NOTIFICATION

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

NONE

## 16. OTHER INFORMATION

Under HazCom 2012 it is optional to continue using the HMIS rating system. It is important to ensure employees have been trained to recognize the different numeric ratings associated with the HazCom 2012 and HMIS schemes.

**HMIS RATINGS - HEALTH:** 1 **FLAMMABILITY:** 1 **PHYSICAL HAZARD:** 0

\* - Indicates a chronic hazard; see Section 2

**Revision:** Section 1



**Effective Date:** 08/05/2016

<b>DISCLAIMER</b>
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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.

# MATERIAL SAFETY DATA SHEET



PREMIER BUILDING SOLUTIONS, INC.

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Revision Date: 01/07/2014

## XTRABOND 9500 MODIFIED POLYURETHANE SEALANT WHITE

### 1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION

**Product Brand Name:** XtraBond 9500 Modified Hybrid Sealant

**Product Use:** Sealant & Adhesive

**Proper DOT Shipping:** Caulking & Glaziers, NOI

**DOT Hazard Classification:** NONE

**Molecular Formula:** Mixture

**NFPA Profile:** Health 2      Flammability 1      Instability/Reactivity 0

Note: NFPA = National Fire Protection Association

#### Company Contact Information

Premier Building Solutions, Inc.  
480 Nova Drive  
Massillon, OH. 44646

#### Emergency Telephone Number

CHEMTREC: 800-424-9300 (24 hours)  
Telephone: 866-512-4583

### 2. HAZARDS IDENTIFICATION

#### POTENTIAL HEALTH EFFECTS

##### Acute Effects

- Eye:** Direct contact may cause moderate irritation. Symptoms include stinging, tearing, redness, and swelling of eyes.
- Skin:** May cause moderate irritation. Symptoms may include redness and burning of skin.
- Inhalation:** Irritates respiratory passages very slightly. Vapor overexposure may be harmful and cause drowsiness.
- Oral:** Swallowing large amounts may cause drowsiness.

##### Prolonged/Repeated Exposure Effects

- Skin:** Repeated or prolonged contact may cause defatting and drying of skin which may result in skin irritation and dermatitis. Overexposure by skin absorption may injure the following organ(s): Liver.
- Inhalation:** Overexposure by inhalation may injure the following organ(s): Liver.
- Oral:** Overexposure by ingestion may injure the following organ(s): Liver.

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## XTRABOND 9500 MODIFIED POLYURETHANE SEALANT WHITE

### Signs and Symptoms of Overexposure

No known applicable information.

### Medical Conditions Aggravated by Exposure

Eye or skin disease.

The above listed potential effects of overexposure are based on actual data, results of studies performed upon similar compositions, component data and/or expert review of the product. Please refer to Section 11 for the detailed toxicology information.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>CAS Number</u>	<u>Wt %</u>	<u>Component Name</u>
1317-65-3	<50%	Calcium Carbonate
-----	<50%	Proprietary Polymers
13463-67-7	<10%	Titanium Dioxide

The above components are hazardous as defined in 29 CFR 1910.1200.

### 4. FIRST AID MEASURES

Eye:	Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 15 – 20 minutes while holding the eyelid(s) open. If contact lens is present, DO NOT delay irrigation or attempt to remove the lens. Take care not to rinse contaminated water into the unaffected eye or onto the face. Immediately obtain medical attention.
Skin:	Remove contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Quickly and gently blot or brush away excess chemical. Flush with lukewarm gently flowing water for 15 minutes. If irritation persists, repeat flushing. If irritation persists, obtain medical advice.
Inhalation:	Material is not likely to present an inhalation hazard at ambient conditions. If material is heated or vapor is generated, care should be taken to prevent inhalation. In case of exposure to vapor, move to fresh air.
Oral:	Never give anything by mouth if victim is rapidly losing consciousness or convulsing. DO NOT INDUCE VOMITING. Have victim drink 2 to 8 oz. (60 to 240 mL) of water. If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration. Have victim rinse mouth with water again. Obtain medical attention.

Note to Physician: Treat according to person's condition and specifics of exposure.

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## XTRABOND 9500 MODIFIED POLYURETHANE SEALANT WHITE

### 5. FIRE FIGHTING MEASURES

- Flash Point: > 212F/100C (Closed Cup)
- Autoignition Temperature: Not determined.
- Flammability Limits in Air: Not determined.
- Extinguishing Media: On large fires use fog, foam or water spray. On small fires use carbon dioxide (CO<sub>2</sub>), dry chemical or foam. Water can be used to cool fire exposed containers.
- Fire Fighting Measures: Self-contained breathing apparatus and protective clothing should be worn in fighting large fires involving chemicals. Determine the need to evacuate or isolate the area according to your local emergency plan. Use water spray to keep fire exposed containers cool.
- Unusual Fire Hazards: None.

### 6. ACCIDENTAL RELEASE MEASURES

- Containment/Clean up: Ventilate area. Observe all personal protection equipment recommendations described in Sections 5 and 8. Wipe up or scrape up and contain for salvage or disposal. Clean area as appropriate since spilled materials, even in small quantities, may present a slip hazard. Final cleaning may require use of steam, solvents or detergents. Dispose of saturated absorbent or cleaning materials appropriately, since spontaneous heating may occur. Local, state and federal laws and regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which federal, state and local laws and regulations are applicable. Sections 13 and 15 of this MSDS provide information regarding certain federal and state requirements.

Note: See Section 8 for Personal Protective Equipment for Spills.

### 7. HANDLING AND STORAGE

Use with adequate ventilation to keep area below established exposure levels. Avoid eye contact. Avoid skin contact. Avoid breathing vapor. Keep container closed. Do not take internally.

Use reasonable care and store away from acidic and oxidizing materials. Keep container closed and store away from water or moisture.

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## XTRABOND 9500 MODIFIED POLYURETHANE SEALANT WHITE

### 8. EXPOSURE CONTROLS & PERSONAL PROTECTION

#### Component Exposure Limits

<u>CAS Number</u>	<u>Component Name</u>	<u>Exposure Limits</u>
1317-65-3	Calcium Carbonate	OSHA PEL 15 mg/m <sup>3</sup> , ACGIH TLV 10 mg/m <sup>3</sup>
13463-67-7	Titanium Dioxide	OSHA PEL 15 mg/m <sup>3</sup> , ACGIH TLV 10 mg/m <sup>3</sup>

Exposure limits are provided for information only. These chemicals are not in a respirable form in this product.

#### Engineering Controls

Local Ventilation: Recommended.

General Ventilation: Recommended.

#### Personal Protective Equipment for Routine Handling

Eyes: Use proper protection - safety glasses as a minimum.

Skin: Wash at mealtime and end of shift. Contaminated clothing and shoes should be removed as soon as practical and thoroughly cleaned before reuse. Chemical protective gloves are recommended.

Suitable Gloves: Avoid skin contact by implementing good industrial hygiene practices and procedures. Select and use gloves and/or protective clothing to further minimize the potential for skin contact. Consult with your glove and/or personnel protective equipment manufacturer for selection of appropriate compatible materials.

Inhalation: Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. IH personnel can assist in judging the adequacy of existing engineering controls.

Suitable Respirator: Respiratory protection is not needed under ambient conditions. If vapor is generated when material is heated or handled, the following is advised. General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators.

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## XTRABOND 9500 MODIFIED POLYURETHANE SEALANT WHITE

### Personal Protective Equipment for Spills

Eyes:	Use full face respirator.
Skin:	Wash at mealtime and end of shift. Contaminated clothing and shoes should be removed as soon as practical and thoroughly cleaned before reuse. Chemical protective gloves are recommended.
Inhalation/Suitable Respirator:	Respiratory protection recommended. Follow OSHA Respirator Regulations (29 CFR 1910.134) and use NIOSH/MHSA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.
Precautionary Measures:	Avoid eye contact. Avoid skin contact. Avoid breathing vapor. Keep container closed. Do not take internally. Use reasonable care.

Note: These precautions are for room temperature handling. Use at elevated temperature or aerosol/spray applications may require added precautions.

## 9. PHYSICAL & CHEMICAL PROPERTIES

Physical Form: Paste  
Color: N/A  
Odor: Mild  
Specific Gravity @ 25°C: ~1.3 – 1.7  
Viscosity: Not determined.  
Freezing/Melting Point: Not determined.  
Boiling Point: Not determined.  
Vapor Pressure @ 25°C: Not determined.  
Vapor Density: Not determined.  
Solubility in Water: Slightly soluble  
pH: Not determined.  
Flash Point: > 212F/100C (Closed Cup)  
Autoignition Temperature: Not determined.  
Flammability Limits in Air: Not determined.  
**VOLATILE ORGANIC COMPOUNDS (VOC):** Product complies with State and Federal regulations for VOC content.

Note: The above information is not intended for use in preparing product specifications.

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## XTRABOND 9500 MODIFIED POLYURETHANE SEALANT WHITE

### 10. STABILITY AND REACTIVITY

Chemical Stability: Stable.

Hazardous Polymerization: Hazardous polymerization will not occur.

Conditions to Avoid: Avoid temperatures above 120 °F.

Materials to Avoid: Acidic and oxidizing material can cause a reaction.

#### Hazardous Decomposition Products

Thermal breakdown of this product during fire or very high heat conditions may evolve the following decomposition products: Carbon oxides and traces of incompletely burned carbon compounds. Formaldehyde. Metal oxides. Nitrogen oxides.

### 11. TOXICOLOGICAL INFORMATION

#### Component Toxicology Information

##### For Product

Not Established

##### For Titanium Dioxide

*Trochimowicz, et al.c J. Appl. Tox., 8, 383-385 (1988)*

Oral LD (rat) >25g/kg  
Dermal LD (rabbit) >10 g/kg  
Inhalation LC (rat) >6.82 mg/l (4 hr)

#### Special Hazard Information on Components

None

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## XTRABOND 9500 MODIFIED POLYURETHANE SEALANT WHITE

### 12. ECOLOGICAL CONSIDERATIONS

#### Environmental Fate and Distribution

Complete information is not yet available.

#### Environmental Effects

Complete information is not yet available.

#### Fate and Effects in Waste Water Treatment Plants

Complete information is not yet available.

#### Ecotoxicity Classification Criteria

Hazard Parameters (LC50 or EC50)	High	Medium	Low
Acute Aquatic Toxicity (mg/L)	<=1	>1 and <=100	>100
Acute Terrestrial Toxicity	<=100	>100 and <=2000	>2000

This table is adapted from "Environmental Toxicology and Risk Assessment", ASTM STP 1179, p.34, 1993.

This table can be used to classify the ecotoxicity of this product when ecotoxicity data is listed above. Please read the other information presented in the section concerning the overall ecological safety of this material.

### 13. DISPOSAL CONSIDERATIONS

#### RCRA Hazard Class (40 CFR 261)

When a decision is made to discard this material, as received, is it classified as a hazardous waste? No

State or local laws may impose additional regulatory requirements regarding disposal.

### 14. TRANSPORT INFORMATION

#### DOT Road Shipment Information (49 CFR 172.101)

Not subject to DOT.

#### Ocean Shipment (IMDG)

Not subject to IMDG code.

#### Air Shipment (IATA)



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Not subject to IATA regulations.

### 15. REGULATORY INFORMATION

Contents of this MSDS comply with the OSHA Hazard Communication Standard 29 CFR 1910.1200.

This material is considered hazardous.

TSCA Status: All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

#### EPA SARA Title III Chemical Listings

##### **Section 302 Extremely Hazardous Substances (40 CFR 355):**

None.

##### **Section 304 CERCLA Hazardous Substances (40 CFR 302):**

None.

##### **Section 311/312 Hazard Class (40 CFR 370):**

Acute: Yes  
Chronic: No  
Fire: No  
Pressure: No  
Reactive: No

##### **Section 313 Toxic Chemicals (40 CFR 372):**

None present or none present in regulated quantities.

Note: Chemicals are listed under the 313 Toxic Chemicals section only if they meet or exceed a reporting threshold.

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### Work Place Hazardous Material Information Sysystems (CRP Section 33)

This product has been classified according to the hazard criteria of the Controlled Products Regulation and the MSDS contains all required information.

3 Controlled Product: Classification: D2B

### Supplemental State Compliance Information

#### **California**

To the best of our knowledge, this product contains no levels of chemicals listed by the State of California under the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) as being known to cause cancer, birth defects or other reproductive harm.

#### **Massachusetts**

<u>CAS Number</u>	<u>Wt %</u>	<u>Component Name</u>
13463-67-7	<10%	Titanium Dioxide

#### **Minnesota**

<u>CAS Number</u>	<u>Wt %</u>	<u>Component Name</u>
13463-67-7	<10%	Titanium Dioxide

#### **New Jersey**

<u>CAS Number</u>	<u>Wt %</u>	<u>Component Name</u>
13463-67-7	<10%	Titanium Dioxide (SN 1861)

#### **Pennsylvania**

<u>CAS Number</u>	<u>Wt %</u>	<u>Component Name</u>
13463-67-7	<10%	Titanium Dioxide

#### **Rhode Island**

<u>CAS Number</u>	<u>Wt %</u>	<u>Component Name</u>
13463-67-7	<10%	Titanium Dioxide

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WHMIS Classification.....D2

**NOTE: THE PRODUCT LISTED ON THIS MSDS HAS BEEN CLASSIFIED IN ACCORDANCE WITH THE HAZARD CRITERIA OF THE CANADIAN CONTROLLED PRODUCTS REGULATIONS. THIS MSDS CONTAINS ALL INFORMATION REQUIRED BY THOSE REGULATIONS.**

**16. OTHER INFORMATION**

Note: The responsibility to provide a safe workplace remains with the user. The user should consider the health hazards and safety information contained herein as a guide and should take those precautions required in an individual operation to instruct employees and develop work practice procedures for a safe work environment. 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 the use of this material. It is the responsibility of the user to comply with all applicable laws and regulations.

<http://www.xtrabond.com>