

EMS CATALOG NO: 50400-XX  
EMS PRODUCT: CRYSTALBOND 509  
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**MATERIAL SAFETY DATA SHEET**

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof.

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**SECTION I - PRODUCT IDENTIFICATION**

IDENTITY: Crystbond 509

**SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION**

Hazardous Ingredients	CAS #	ACGIH TLV	OSHA PEL
Phthalic Anhydride	25610-19-9	1ppm	1ppm
Ethylene Glycol	107-21-1	50ppm	50ppm

HEALTH: 0      FLAMMABILITY: 0      REACTIVITY: 0

**SECTION III - PHYSICAL DATA**

Boiling Point: > 300 F starts to decompose  
Specific Gravity: 1.35  
Vapor Density (AIR=1): 1.0  
Vapor Pressure (mm Hg.): 1.05  
Melting Point: 225F (Butyl Acetate= 1)  
Evaporation Rate: Nil

Solubility in Water: Nil  
V.O.C. Content: 0.705 gm/ltr. (Calculated)  
Appearance and Odor: Odorless, clear or clear amber solid.

#### **SECTION IV - FIRE and EXPLOSION HAZARD DATA**

Flash Point: > 505 F (OOO)  
Flammable Limits: LEL: (N/A) UEL: (N/A)  
Extinguishing Media: Foam, carbon dioxide, dry powder.  
Special Fire Fighting Procedures:  
Do not use water.  
Unusual Fire and Explosion Hazards:  
N/A

#### **SECTION V - REACTIVITY DATA**

Stability: ( ) Unstable (X) Stable

Conditions to Avoid:

Excessive heat, sparks, open flames.

Hazardous Decomposition:

Carbon monoxide, carbon dioxide.

Hazardous Polymerization: ( ) May Occur (X) Will Not Occur

#### **SECTION VI - HEALTH HAZARD DATA**

##### **Effects of Overexposure:**

Inhalation:

Not applicable.

Dermal Exposure:

If material is in molten state, exposure to skin will cause a severe thermal burn.

Eye Irritation:

Not applicable.

Ingestion:

Not applicable.

##### **Emergency and First-Aid Procedures:**

Skin:

Treat for thermal burn. See a physician.

Inhalation:

Not applicable.

Eye:

Flush with copious amount of water. If irritation occurs, get medical attention.

Ingestion:

Not applicable.

## **SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE**

Steps to be taken in case material is released or spilled:

If material is unusable, sweep up and dispose of in a metal container. Provide adequate ventilation.  
Avoid excessive heat, sparks, open flames.

Waste Disposal Method:

Dispose of in accordance with local, state, and federal regulations.

Precautions to be taken in handling and storing:

Avoid excessive heat, sparks, open flames.

## **SECTION VIII SPECIAL PROTECTION INFORMATION**

Use NIOSH approved mist respirator where spray occurs. Use of rubber gloves and chemical goggles is recommended.

Good industrial hygiene practice requires that employee exposure be maintained below the recommended TLV. This is preferably achieved through the provision of adequate ventilation where necessary. Where dust cannot be controlled in this way, personal respiratory protection should be employed.

CHEMICAL COMPONENTS OF THIS PRODUCT WHICH ARE PRESENT IN REPORTABLE AMOUNTS AND ARE LISTED IN SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT TO KNOW ACT OF 1986 (SARA TITLE III) ARE SHOWN BELOW WITH THEIR CAS REGISTRY NUMBERS AND MAXIMUM COMPOSITION BY WEIGHT.

LISTED CHEMICAL	CAS NUMBER	MAX WT %
NONE		

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