

EMS CATALOG NO: 50402-01
EMS PRODUCT: Crystalbond 590
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MATERIAL SAFETY DATA SHEET

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FOR PRODUCT AND SALES INFORMATION

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SECTION I - PRODUCT IDENTIFICATION

IDENTITY: Crystalbond 590

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Ingredients	CAS #	ACGIH TLV	OSHA PEL	
Barium Sulphate	7727-43-7	10Mg/M3		N/E
Shellac	N/D	N/E		N/E

HEALTH: 0 FLAMMABILITY: 0 REACTIVITY: 0

SECTION III - PHYSICAL DATA

Boiling Point:		> 400 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: > 160 C

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 %
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NONE

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