

EMS CATALOG NO: 50400-XX
EMS PRODUCT: CRYSTALBOND 509
DATE: 07/12/07
PAGE NUMBER: One of 3

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.

Electron Microscopy Sciences assumes no responsibility for personal injury or property damage to vendees, users or third parties caused by the material. Such vendees or users assume all risks associated with the use of the material.

**ELECTRON MICROSCOPY SCIENCES
1560 INDUSTRY ROAD/PO BOX 550
HATFIELD PA 19440
215-412-8400/FAX 215-412-8450**

24 HOUR EMERGENCY PHONE NUMBER CHEMTREC: (800) 424-9300

FOR PRODUCT AND SALES INFORMATION

CONTACT ELECTRON MICROSCOPY SCIENCES OFFICE ABOVE.

SECTION I - PRODUCT IDENTIFICATION

IDENTITY: Crystalbond 509

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Ingredients	CAS #	ACGIH TLV	OSHA PEL
Phthalic Anhydride	85-44-9	1ppm	1ppm
Ethylene Glycol	107-21-1	50ppm	50ppm

HEALTH: 1 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 (COC)
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		

DISCLAIMER OF LIABILITY: THE INFORMATION CONTAINED HERE IN IS BASED ON DATA TAKEN FROM SOURCES BELIEVED TO BE BOTH CURRENT AND RELIABLE AT THE TIME OF PUBLICATION. ELECTRON MICROSCOPY SCIENCES MAKES NO WARRANTIES EXPRESSED OR IMPLIED, TO THE ACCURACY AND ASSUMES NO LIABILITY ARISING FROM ITS USE BY OTHERS.COMPLIANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS THE RESPONSIBILITY OF THE USERS.