



Material Safety Data Sheet  
DeltaBOND 152

1. Chemical Product and Company Identification

Product Name: DeltaBOND 152  
Product Description: Liquid Epoxy Resin  
Company: Cast-Coat, Inc. 354 West Street W. Bridgewater, MA 02379  
Telephone: 1-800-527-4502 or 1-508-587-4502  
Emergency Contact: Chemtrec: (domestic) 1-800-424-9300 (international) 1-703-527-3887

2. Composition / Information on Ingredients

Components	CAS #	%
4,4'-Isopropylidenediphenol-Epichlorohydrin Copolymer	25068-38-6	< 65
Oxirane,2-(butoxymethyl)-	2426-08-6	< 12
Aluminum oxide	1344-28-1	> 50
Talc	14807-96-6	< 1
Synthetic Amorphous Pyrogenic Silica	112945-52-5	< 1

3. Hazards Identification

Eye Contact: Product may be irritating to the eyes. Product may cause corneal damage

Skin Contact: Product may cause skin irritation. Product may cause skin sensitization

Inhalation: Product may cause irritation to the respiratory tract.

Ingestion: Product may cause irritation to the gastrointestinal tract.

Aggravated Medical Conditions: Pre-existing eye, skin and respiratory disorders may be aggravated by exposure to this product. Pre-existing respiratory and skin allergies may be increased from exposure to this product.

4. First Aid Measures

General Advise: Good practice requires that gross amounts of any chemical be removed from the skin as soon as practical, especially before eating or smoking.

Eye Contact: Immediately flush eyes with water for at least 30 minutes. Seek medical attention if irritation persists.

Skin Contact: Remove contaminated clothing and wipe excess from skin. Promptly wash with soap and water for 15 minutes. Seek medical attention if irritation persists.

Inhalation: Move to fresh air and provide oxygen if necessary.

Ingestion: Rinse mouth with water. If conscious, give small quantities of water to drink. Do not induce vomiting. If vomiting occurs, keep victim's head below hips to prevent vomit from entering lungs. Seek medical attention.



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5. Fire-Fighting Measures

Flashpoint:	> 100° C
Autoignition temperature:	not determined
Flammability limits in air - lower:	not available
Flammability limits in air – upper:	not available
Extinguishing Media:	Carbon dioxide (CO <sub>2</sub> ), foam, dry chemical, water spray.
Protective Equipment:	Do not enter confined space without full bunker gear (helmet with face shield, bunker coats, gloves and rubber boots). Use self contained, positive pressure breathing apparatus.
Specific Hazards:	Decomposition and combustion products may be toxic. Containers exposed to intense heat should be cooled with water to prevent vapor pressure build up.

6. Accidental Release Measures

Personal Protection:	Eyes:	Wear splash proof chemical goggles.
	Skin:	Wear impervious gloves and protective clothing to prevent skin contact.
	Inhalation:	Use NIOSH approved respirator suitable for organic vapors.
Environmental Concerns:	Construct a dike to prevent from entering sewers, rivers and waterways.	
Clean Up:	Soak up residue with absorbent material and shovel into non leaking containers.	

7. Handling and Storage

Handling:	Good practice requires that gross amounts of any chemical be removed from the skin as soon as practical, especially before eating or smoking. Wear splash proof chemical goggles, impervious gloves and protective clothing to prevent skin contact. Emergency eye wash stations should be readily accessible.
Ventilation:	Provide effective mechanical exhaust. Wear NIOSH approved air purifying respirator in the absence of ventilation.
Storage:	Store in a cool, dry location in tightly sealed containers.



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8. Exposure Controls/Personal Protection

Ingredient name:	OSHA PEL:	ACGHI TLV:
Oxirane,2-(butoxymethyl)-	50 ppm TWA 8h 270 mg / m <sup>3</sup> TWA 8h	3 ppm TWA 8h
Aluminum oxide	15 mg / m <sup>3</sup> TWA (total dust) 5 mg / m <sup>3</sup> TWA (respirable fraction)	10 mg / m <sup>3</sup> TWA (particulate matter containing no asbestos and < 1% crystalline silica)
Talc	20 mppcf	2 mg / m <sup>3</sup> (respirable fraction)
Synthetic Amorphous Pyrogenic Silica	6 mg / m <sup>3</sup>	10 mg / m <sup>3</sup> TWA (Inhalable) 3 mg / m <sup>3</sup> TWA (Respirable)

Engineering Controls: Provide effective mechanical exhaust to ensure concentration levels are below exposure limits.

Respiratory Protection: Wear NIOSH approved air purifying respirator in the absence of ventilation.

Eye Protection: Wear safety goggles or safety glasses with side shields. Emergency eye wash stations should be readily accessible.

Skin Protection: Wear chemical resistant impervious gloves and protective clothing such as an apron to prevent skin contact.

9. Physical and Chemical Properties

Appearance:	Viscous Liquid
Color:	Blue
Odor:	Mild Aromatic
Specific Gravity:	2.0 – 2.2
Vapor Pressure:	< 1.00 mmHg at 25° C
Solubility in Water:	Insoluble
Flashpoint:	> 100° C
VOC Content:	< 0.1% by weight



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10. Stability and Reactivity

Stability: Stable under normal conditions.  
Materials to Avoid: Avoid strong oxidizing agents, strong lewis or mineral acids, strong mineral and organic bases.  
Hazardous Decomposition Products: Carbon monoxide, Carbon dioxide.  
Comments: Hazardous polymerization will not occur.

11. Toxicological Information

4,4'-Isopropylidenediphenol-Epichlorohydrin Copolymer:

Oral: LD50 30,000 mg / kg species: rat

Dermal: LD50 > 1,200 mg / kg species: rat

Oxirane,2-(butoxymethyl)-:

Oral: LD50 1,660 mg / kg species: rat

Dermal: LD50 > 2,150 mg / kg species: rat

Inhalation: LC50 1,030 ppm / 8 h species: rat

12. Ecological Information

Biodegradability: no data available

Aquatic Toxicity: no data available

13. Disposal Considerations

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

14. Transportation Information

DOT: not regulated for transport

IATA: not regulated for transport

IMDG: not regulated for transport



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15. Regulatory Information

TSCA :	All ingredients are listed or exempt
HSC Classification:	Irritating material, Sensitizing material
Sara Section 312 Hazard Classification:	Chronic health hazard, Acute health hazard
Sara Section 313:	None
Massachusetts RTK:	Oxirane,2-(butoxymethyl), Aluminum oxide, Talc
New Jersey RTK:	Oxirane,2-(butoxymethyl), Aluminum oxide
Pennsylvania RTK:	Oxirane,2-(butoxymethyl), Aluminum oxide, Talc
Minnesota RTK:	Talc
Florida RTK:	Talc
California prop. 65:	This product contains a chemical(s) known to the state of California to cause cancer and birth defects or other reproductive harm.
Hazard Ratings:	Health: 2                      Fire: 1                      Reactivity: 0
WHMIS Classification:	D-2A, D-2B

16. Other Information

All information appearing herein is based upon data obtained from the manufacturer and / or recognized technical sources. While the information is believed to be accurate, Cast-Coat makes no representations as to its accuracy or sufficiency. Conditions of use are beyond the control of Cast-Coat and therefore users are responsible to verify this data under their own operating conditions to determine whether the product is suitable for their purposes. Cast-Coat, Inc. assumes no responsibility for injury from the use of the product described herein.

Prepared by:            Robert S. Lothrop  
Title:                    Technical Director  
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