

CAST-COAT, INC.
MATERIAL SAFETY DATA SHEET

MATERIAL NAME: DELTABOND 152 BLUE
TELEPHONE NUMBER: (508) 587-4502
FAX NUMBER: (508) 587-4514

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SECTION 1 GENERAL INFORMATION

MANUFACTURER'S NAME: CAST-COAT, INC.
ADDRESS: 354 WEST STREET, W. BRIDGEWATER, MA 02379

D.O.T. CLASSIFICATION: NOT REGULATED
NFPA = NATIONAL FIRE PROTECTION ASSOCIATION:
HEALTH (NFPA): 1 FLAMMABILITY (NFPA): 1 REACTIVITY (NFPA): 0
CAS NO: MIXTURE
GENERIC DESCRIPTION: LIQUID EPOXY RESIN

SECTION 2 HAZARDOUS INGREDIENTS

<u>INGREDIENTS</u>	<u>%</u>	<u>TLV (UNITS)</u>	<u>CAS#</u>
1. BISPHENOL A/EPICHLOROHYDRIN RESIN	< 65	NONE ESTABLISHED	25068-38-6
2. N-BUTYL GLYCIDYL ETHER	< 12	50 PPM	2426-08-6

COMMENTS:

- * COMPONENT 1 IS AN EPOXY RESIN PRODUCED BY THE CONDENSATION REACTION OF EPICHLOROHYDRIN AND BISPHENOL A. THE EPICHLOROHYDRIN IS CONSUMED IN THE PROCESS AND THE RESIDUAL LEVELS ARE CONTROLLED TO 1 PPM MAX.
- * ALTHOUGH THERE MAY BE ONE OR MORE MINERAL FILLERS USED IN THE COMPOUNDING OF THIS PRODUCT, THE PHYSICAL STATE HAS BEEN ALTERED FROM A POWDER TO A LIQUID AND THEREFORE IS NOT CONSIDERED A HAZARD AS DEFINED IN 29 CFR 1910.1200.

SECTION 3 HEALTH HAZARD DATA

ORAL LD50: >11.4 G/KG (RAT) DERMAL LD50: >20 ML/KG (RABBIT)
IRRITATION-SKIN: MODERATE IRRITATION
IRRITATION-EYES: SLIGHT IRRITATION
SENSITIZATION: MODERATE SENSITIZER
RESPIRATORY: NONE LIKELY UNLESS HEATED TO HIGH TEMPERATURES
EFFECTS OF EXPOSURE: IRRITATION, SENSITIZER, DERMATITIS

COMMENTS: NONE

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SECTION 4

EMERGENCY FIRST AID PROCEDURES

EYES: IMMEDIATELY FLUSH EYES WITH WATER FOR AT LEAST 30 MINUTES. CALL A PHYSICIAN

SKIN: PROMPTLY WASH WITH SOAP AND WATER.

INHALATION: REMOVE TO FRESH AIR. GIVE OXYGEN IF NECESSARY.

ORAL: IF CONSCIOUS, GIVE NO MORE THAN 2 GLASSES OF WATER AND INDUCE VOMITING.
KEEP VICTIM'S HEAD BELOW KNEES WHILE VOMITING. CALL A PHYSICIAN.

COMMENTS: PROMPTLY REMOVE CONTAMINATED CLOTHING, WASH BEFORE REUSE. DESTROY
CONTAMINATED LEATHER AND ABSORBENT SHOES.

SECTION 5

FIRE AND EXPLOSION DATA

FLASHPOINT: >480° F

METHOD USED: PENSKY-MARTENS

AUTOIGNITION TEMPERATURE: NOT DETERMINED

FLAMMABILITY LIMITS IN AIR (LEL): NOT AVAILABLE

(UEL): NOT AVAILABLE

EXTINGUISHING MEDIA: CARBON DIOXIDE, FOAM, DRY CHEMICAL, WATER SPRAY.

SPECIAL FIRE FIGHTING PROCEDURES: DO NOT ENTER CONFINED SPACE WITHOUT FULL BUNKER
GEAR. USE SELF-CONTAINED BREATHING APPARATUS.

UNUSUAL FIRE AND EXPLOSION HAZARDS: DECOMPOSITION AND COMBUSTION PRODUCTS
MAY BE TOXIC.

COMMENTS: NONE

SECTION 6

PHYSICAL DATA

BOILING POINT @ 760MM HG, °C: NOT AVAILABLE

SPECIFIC GRAVITY @ 25°C: >2.0

MELTING POINT: NOT AVAILABLE

VAPOR PRESSURE @ 25°C, MMHG: <1

VAPOR DENSITY @ 25°C(AIR=1): NOT AVAILABLE

PERCENT VOLATILE BY VOLUME, %: <0.1

EVAPORATION RATE (BUTYL ACETATE=1): NOT AVAILABLE

SOLUBILITY IN WATER, %: INSOLUBLE

ODOR: MILD, AROMATIC

APPEARANCE: BLUE VISCOUS LIQUID

COLOR: BLUE

COMMENTS: NONE

NOTE: THE ABOVE INFORMATION IS NOT INTENDED FOR USE IN PREPARING PRODUCT SPECIFICATIONS.
CONTACT CAST-COAT, INC. BEFORE WRITING SPECIFICATIONS.

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SECTION 7

REACTIVITY DATA

STABILITY: STABLE

INCOMPATIBILITY (MATERIALS TO AVOID): STRONG OXIDIZING AGENTS, STRONG LEWIS OR MINERAL ACIDS, STRONG MINERAL AND ORGANIC BASES.

CONDITIONS TO AVOID: AMINE COMPOUNDS UNDER UNCONTROLLED CONDITIONS.

HAZARDOUS DECOMPOSITION MATERIALS: CARBON MONOXIDE, CARBON DIOXIDE.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

COMMENTS: NONE

SECTION 8

SPILL, LEAK AND DISPOSAL PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: AVOID ALL PERSONAL CONTACT. TAKE UP WITH ABSORBENT MATERIAL. SHOVEL INTO CLOSABLE CONTAINERS. WEAR PROTECTIVE CLOTHING DURING CLEAN UP.

PROTECTIVE EQUIPMENT

EYES: WEAR SPLASH PROOF, CHEMICAL GOGGLES.

SKIN: WEAR IMPERVIOUS GLOVES. WEAR APPROPRIATE EQUIPMENT TO PREVENT SKIN CONTACT.

INHALATION: USE NIOSH APPROVED RESPIRATOR SUITABLE FOR ORGANIC VAPORS, IF REQUIRED.

WASTE DISPOSAL METHOD: CAST-COAT, INC. RECOMMENDS THAT ALL LOCAL, STATE, AND FEDERAL REGULATIONS CONCERNING HEALTH AND POLLUTION BE REVIEWED TO DETERMINE APPROPRIATE DISPOSAL PROCEDURES.

COMMENTS: NONE

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SECTION 9

ROUTINE HANDLING PRECAUTIONS

PROTECTIVE EQUIPMENT - EYES: WEAR SPLASH PROOF, CHEMICAL GOGGLES.

PROTECTIVE CLOTHING - SKIN*: WEAR IMPERVIOUS GLOVES. WEAR APPROPRIATE EQUIPMENT TO PREVENT SKIN CONTACT.

INHALATION: WEAR FULL FACE NIOSH APPROVED RESPIRATOR IN ABSENCE OF VENTILATION.

VENTILATION

LOCAL EXHAUST: RECOMMENDED

MECHANICAL (GENERAL): RECOMMENDED

SUITABLE RESPIRATOR: NIOSH APPROVED FULL FACE RESPIRATOR SUITABLE FOR ORGANIC VAPORS.

COMMENTS:

- * THESE PRECAUTIONS ARE FOR ROOM TEMPERATURE HANDLING, USE AT ELEVATED TEMPERATURE MAY REQUIRE ADDED PRECAUTIONS.
- * GOOD PRACTICE REQUIRES THAT GROSS AMOUNTS OF ANY CHEMICAL BE REMOVED FROM THE SKIN AS SOON AS PRACTICAL, ESPECIALLY BEFORE EATING OR SMOKING.

SECTION 10

SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: STORE IN COOL, DRY AREA IN CLOSED CONTAINERS

OTHER PRECAUTIONS: NONE

COMMENTS: NONE

THESE DATA ARE OFFERED IN GOOD FAITH AS TYPICAL VALUES AND NOT AS A PRODUCT SPECIFICATION. NO WARRANTY, EITHER EXPRESSED OR IMPLIED, IS HEREBY MADE. THE RECOMMENDED INDUSTRIAL HYGIENE AND SAFE HANDLING PROCEDURES ARE BELIEVED TO BE GENERALLY APPLICABLE. HOWEVER, EACH USER SHOULD REVIEW THESE RECOMMENDATIONS IN THE SPECIFIC CONTEXT OF THE INTENDED USE AND DETERMINE WHETHER THEY ARE APPROPRIATE.

PREPARED BY: R.S. LOTHROP
LAST REVISION DATE: 06/24/03
PREVIOUS REVISION DATE:
DATE: Jun 26, 2003

TITLE: TECHNICAL DIRECTOR