

**MATERIAL SAFETY DATA SHEET**

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for requirements.

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Date Prepared: 07/09 Prepared By: RD

<b>SECTION 1:</b>	<b>MATERIAL IDENTIFICATION</b>		
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Product Identity:	Superbond Laminating Epoxy Activator ( SLOW ) FCI 2060 Epoxy Activator		
Shipping Name:	UN 2735, Amines, Liquid, Corrosive, n.o.s: (TETA, DETA), Hazard Class 8, Packing Group III		
Hazard Class:	Corrosive Liquid		
Common name & use:	Amine type Epoxy Curing Agent for composite manufacture HMIS code; Health 2, Fire 1, Reactivity 2		

<b>SECTION 2:</b>	<b>COMPOSITION</b>			
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	<u>CAS NO.</u> /	<u>PERCENT</u> /	<u>OSHA PEL</u> /	<u>ACGIH TL</u>
Components:	Polyoxypropylenediamine	9046 -10- 0 > 40 %	N/E	N/E
	DETA (Diethylenetriamine)	111-40-0 < 22 %	5 mg/M3 TWA	4.2 mg? M3 TWA
	TETA	112-24-3 < 6 %	N/E	N/E
	Bisphenol A	80-05-7 > 5 %	N/E	N/E
	Amine adduct	Proprietary > 15 %	N/E	N/E
	Phenol	108-95-2 < 6 %	19 mg/M3 TWA	19 mg/M3 TWA
	Non Hazardous Proprietary Ingredients	< 1 %	N/A	N/A

(All of the above components are contained in the TSCA chemical inventory.)

<b>SECTION 3:</b>	<b>EMERGENCY OVERVIEW</b>		
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Emergency Overview:	Clear viscous liquid which will burn only if preheated giving off hazardous smoke which may include CO, CO2, Mixed Hydrocarbons, Phenolics, and Mixed Amines. Fight fire only with full bunker gear and positive pressure supplied air system. Fumes are irritating to the lungs. Material is moderately corrosive, contact with the skin or eyes will cause irritation and possible permanent damage, Avoid prolonged contact with skin.		
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<b>SECTION 4:</b>	<b>PHYSICAL / CHEMICAL CHARACTERISTICS</b>		
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Boiling Point:	> 200 C (394 F) lowest	Specific Gravity	.97 (Water = 1):
Vapor Press. (mm Hg):	< 1 mm Hg @ 21 C	Melting Point:	N/A
Vapor Density (Air = 1):	> 1	Evaporation Rate:	N/A Fuming Product
Solubility in Water/ Ph	Slight / Alkaline	Appearance and Odor:	Clear syrup, Ammonia Odor

<b>SECTION 5:</b>	<b>FIRE AND EXPLOSION HAZARD DATA</b>		
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Flash Point	154C (310 F) PMCC	Extinguishing Media:	Foam, water CO2, or dry chemical
Flammable Limits:	LEL N/A UEL N/A	auto ignition N/D	
Special Fire Fighting Procedures:	Remove all unprotected personnel, enter any confined space fire only with full bunker gear including a Self contained breathing apparatus or positive pressure NIOSH approved mask. Smoke will consist mostly of CO2, CO, mixed hydrocarbon gasses, Phenolics, Nitrogen oxides, Ammonia gas. and possibly other hazardous by products. Contact with this material will cause skin and eye irritation.		
Unusual Fire and Explosion Hazards:	The pyrolytic (burning) decomposition products of this resin should be treated as potentially hazardous substances and precautions taken.		

<b>SECTION 6:</b>	<b>REACTIVITY DATA</b>
Stability:	(Stable or Unstable) Stable at all environmental temperatures.
Incompatible With:	Strong Acids, Strong bases, Epoxy Resin, peroxides or reactive metals
Hazard Polymerization:	Will not occur unless mixed with incompatible materials.
Conditions to Avoid:	Elevated Temperatures and contact with other highly reactive substances.
<b>SECTION 7:</b>	<b>HEALTH HAZARD DATA</b>
Inhalation:	Inhaling concentrated fumes can cause respiratory tract irritation and damage.
Eye Contact:	Will cause eye irritation and damage, flush with water and seek proper medical attention.
Skin Contact:	Strong skin irritant which may cause rash or skin irritation, material may also be absorbed through the skin and cause nausea and headache, avoid prolonged exposure,
Ingestion:	Will be very irritating to the digestive tract and may cause ulceration, also danger of aspiration to the lungs. Corrosive Liquid, Seek immediate medical attention,
Exposure Symptoms	Skin rash, eye irritation, internal pain, nausea, headache or difficulty breathing
Carcinogenicity Class:	No known carcinogenic properties
<b>SECTION 8:</b>	<b>FIRST AID MEASURES</b>
Inhalation:	Remove to fresh air, oxygen may be administered by proper authorities. For severe inhalation or liquid aspiration seek immediate medical attention.
Eye Contact:	Wash with fresh water, seek immediate medical attention for any prolonged irritation.
Skin Contact:	Avoid prolonged and repeated skin contact wash frequently with soap and water
Ingestion:	While treating avoid aspiration to the lungs, gastric lavage after endotracheal intubation may be recommended. Contact a poison control center for additional information. Seek immediate medical attention.
Over Exposure:	Treat for symptoms, no known chronic health hazards other than sensitization to repeated exposure
<b>SECTION 9:</b>	<b>HANDLING AND STORAGE</b>
Spill Management:	Contain any large spill with dams of rags or other absorbent materials, return as much material as possible to the original container. Take up any remaining material with absorbent materials rags, paper, or other commercial absorbent materials.
Waste Disposal:	Dispose of all unusable material and contaminated clean up materials in accordance with all federal, state, and local regulations.
Handling:	Standard drum type handling
Storage:	May store at any environmental air temperature, but cool temperatures are preferable.
Respirator (Specific Type):	Self contained air or supplied air device necessary in confined spaces and during any large spill clean up, activated charcoal mask may be used for industrial use or small spills
Protective Clothing:	Butyl Rubber or latex gloves, dispose of any contaminated clothing.
Eye Protection:	Standard eye protection is required.
Ventilation:	Good ventilation is necessary.
Work / Hygienic Practices:	Good general work place hygiene is required especially in regard to ventilation, repeated skin exposure, and eye contact, wash often.

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.