



Material Safety Data Sheet

Total 4 pages

SE1260 - Flexible Epoxy Underfill / Encapsulant

MSDS No.: 1211061260

Revision Date: 2006/12/11

1. Manufacturing And Product Information

Manufacturer:
United Adhesives Inc.
318 Half Day Rd #189
Buffalo Grove, IL 0089, USA

New & High Technology Industrial Development
Park, 61023 Tianzhu Rd., Hefei, China
Phone: +86 139 5605 4600

Trade Name: **SE1260**
Chemical Name or Synonym:
Flexible Epoxy Underfill

Product Disposal Information:
CHEMTREC: (989) 496-5900

24 Hour Emergency Telephone:
1-800-424-9300

Generic Description: Flexible Epoxy Underfill
Physical Form: Semi-fluid
Color: Blue
Odor: Light odor

NFPA Profile: Health 1 Flammability 1 Instability/Reactivity 0
Note: NFPA = National Fire Protection Association

2. Components

CAS Number	Chemical Name	Percent
25068-38-6	Epoxy novolac resin	35% - 65%
2386-87-0	Epoxy resin - proprietary	20% - 35%
1675-54-3	Diglycidyl ether of bisphenol A	10% - 15%
4246-51-3	4,7,10-trioxatridecane-1,13-diamine	20% - 35%
288-32-4	imidazole	< 0.3%
2530-83-8	3-(trimethoxysilyl) propyl glycidyl ether	< 0.3%
60676-86-0	Silicon dioxide	0.5% - 5%

Imidazole may be corrosive as defined in 29 CFR 1910.1200.
No other component is hazardous as defined in 29 CFR 1910.1200.

3. Hazards Identification		
Product is considered as non-hazardous under normal and expected usage		
Eye Health Effects/ Symptoms:	Flush with Water. Particles should be removed by physician.	
Skin Health Effects /Symptoms:	Wash with soap and water to remove residue.	
Inhalation Health Effects / Symptoms:	Not Applicable	
Ingestion Health Effects / Symptoms:	Consult Physician	
4. First Aid Measures		
Eyes:	Flush with Water. Particles should be removed by physician.	
Skin:	Wash with soap and water to remove residue.	
Inhalation:	Not Applicable	
Ingestion:	Consult Physician	
5. Fire And Explosion Data		
Flammability:	No	
Flash Point (Method):	Not Applicable (N/A)	
Flammable Conditions:	Will burn, as a combustible solid	
Auto ignition Temperature:	N/A	
LEL: N/A	UEL: N/A	TLV-TWA (mg/m3): N/A
Extinguishing Media	Use water or other medias appropriate for surrounding materials	
Special Procedure:	Wear self contained breathing apparatus (SCBA)	
Unusual Fire & Explosion Hazards	None	
Combustion Produces:	Oxides of carbon, silicon oxide, nitrogen oxide	
Sensitivity to Impact:	None	
Sensitivity to Static Electricity:	None	
Additional Information:	Material will burn as combustion solid	
6. Accidental Release Procedures		
Spill Procedure (Less than 1 Gallon):	Pick up spill material to prevent slipping hazard. No special precaution required.	
Spill Procedures (More then 1 Gallon):	Pick up spill material to prevent slipping hazard. No special precaution required.	
7. Handling and Storage Procedures		
No special handling and / or storage hazards		

8. Exposure Controls / Personal Protection			
Ventilation:	Not required		
Respiratory:	Not required		
Eyes:	Safety glasses with side shields		
Clothing / Gloves:	Rubber gloves		
9. Physical and Chemical Properties			
Boiling Point (degree C):	N/A	Melting Point (degree C):	N/A
Vapor Pressure (mm Hg):	N/A	Percent Volatiles:	< 0.1%
Vapor Density (air =1)	Solid	Specific Gravity:	1.29
Evaporation Rate:	N/A	Oxidizing Properties	Strong oxidizers
Solubility:	N/A	PH:	N/A
Oil / Water Coefficient:	N/A	Odor Threshold:	Light odor
Physical State:	Solid	Odor & Appearance:	Blue, light odor
10. Stability and Reactivity			
Stability:	Stable		
Incompatibility:	None		
Decomposition:	Oxides of carbon, silica oxide, nitrogen oxide		
Polymerization:	Not occur		
11. Toxicological Information			
Eye:	N/A	Inhalation:	N/A
Skin:	N/A	Ingestion:	N/A
Sensitization:	None	Irritancy:	None
Mutagenicity:	None	Teratogenicity:	None
Reproduction:	None		
Conditions Aggravated by Exposure:	None		
Carcinogenicity:	None		
NTP:	None	OSHA:	None
IARC:	None	Other:	N/A
12. Ecological Information			
Ecological Information:	Not a hazard to the environment. Material will not decompose rapidly in the environment.		
Chemical Fate Information:	N/A		
13. Disposal Considerations			
Waste Disposal Procedures:	Wipe up and collect for proper disposal methods. Follow all applicable local, state and federal disposal regulations. Dispose of according to regulations by incineration in a special waste incinerator. Small quantities may be disposed of in a domestic waste incinerator.		
Waste Disposal Codes (All that apply):	080410 for cured material 1150102 for empty pail and cartridges		
14. Transportation Information			
Shipping and Labeling Information: Not regulated for shipping purpose.			

15. Regulatory Information
U.S. Federal Regulation: None Known
State Regulation: None Known
International Regulations: None Known
16. Additional Information