

MATERIAL SAFETY DATA SHEETDate Prepared: August 17, 2005
100816 Part APage: 1 of 6
MSDS Number: 110001**SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION****Material Identity**

Product Name: Universal Bonding Adhesive Part A
 Product Numbers: 20538Z
 Product Use: SMC Panel Bonding Adhesive

Distributed By

The Easthill Group
 dba/ The Eastwood Company
 263 Shoemaker Road
 Pottstown, PA 19464
 USA & Canada: 800-345-1178
 Outside USA: 610-323-2200

Emergency Telephone Numbers:

CHEMTREC: 1-800-424-9300

SECTION 2. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient(s)	CAS Number	EINECS Number	% (by weight)
Oxirane, Homopolymer	2085-99-8	N/L	45 – 50
Calcium Carbonate	1317-65-3	215-279-6	15 – 20
Talc	14807-96-6	238-877-9	10 – 15
Bisphenol A propylene oxide polymer	29694-85-7	N/L	5 – 10
Amorphous Silica	112945-52-5	231-454-4	5 – 10
Oxirane, Mono derivatives		271-846-8	5 – 10
Crystalline Silica	14808-60-7	238-878-4	0 – 1

SECTION 3. HAZARDS IDENTIFICATION*****EMERGENCY OVERVIEW*****

WARNING! COMBUSTIBLE LIQUID AND VAPOR. HARMFUL IF INHALED.

Potential Health Effects**Acute Effects (Short Term):****Eye:** Contact may cause irritation, redness, tearing and blurred vision.**Skin:** Contact may cause irritation and possible dermatitis.**Swallowing:** Ingestion may cause gastrointestinal irritation, nausea, diarrhea and vomiting. Aspiration of this material into the lungs due to vomiting may produce chemical pneumonitis which can be fatal.**Inhalation:** Excessive inhalation of vapors may cause nasal and respiratory irritation, acute nervous system depression, fatigue, weakness, nausea, headache and dizziness.

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Chronic Effects of Overexposure (Long Term):

Prolonged or repeated exposure may cause asthma and skin sensitization or other allergic response.

Cancer Information: The IARC has classified crystalline silica as a group 1 carcinogen (sufficient evidence of carcinogenicity in humans).

Other Health Effects: None

Primary Route(s) of Entry: inhalation, skin contact, eye contact, ingestion, skin absorption.

SECTION 4. FIRST AID MEASURES

Eyes: Flush eyes gently with water for at least 15 minutes. Seek immediate medical attention.

Skin: Remove contaminated clothing. Wash affected area with soap and water. If symptoms persist, seek medical attention.

Swallowing: Consult a physician or poison control center immediately. DO NOT INDUCE VOMITING.

Inhalation: Remove person to fresh air. Seek immediate medical attention. If person is not breathing, begin artificial respiration.

SECTION 5. FIRE FIGHTING MEASURES

Flash Point: 200°F

Explosive Limit: Lower: N/A Upper: N/A

Autoignition Temperature: N/A

OSHA Flammability Class: Combustible Liquid Class IIIB

Hazardous Products of Combustion: May form carbon dioxide, carbon monoxide, ammonia gas, toxic nitrogen, oxide gas, phenolic compounds and hydrogen sulfide.

Fire and Explosion Hazards: Vapors are heavier than air and may travel along the ground or may be moved along by ventilation and ignited by pilot lights, other flames, spark, heater, smoking, electric motors, static discharge or other ignition sources at locations distant from material handling point.

Extinguishing Media: regular foam, carbon dioxide, dry chemical.

Fire Fighting Instructions: Water may be used to keep fire-exposed containers cool until fire is out. Wear a self contained breathing apparatus (NIOSH approved) with a full facepiece operated in the positive pressure demand

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mode with appropriate turn-out gear and chemical resistant personal protective equipment.

NFPA Rating: Health -2, Flammability -1, Reactivity -1

SECTION 6. ACCIDENTAL RELEASE MEASURES

In Case of Spill: Eliminate all sources of ignition such as flares, flames (including pilot lights) and electrical sparks, Ventilate the area. Wear protective equipment (Section 8). Avoid breathing vapors. Collect with an inert absorbent and dispose of properly.

SECTION 7. HANDLING AND STORAGE

Handling: All hazard precautions given in the data sheet must be observed. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Use only with adequate ventilation. Do not breathe sanding dust. Do not take internally. Keep out of reach of children.

Storage: Store material in a cool, well ventilated area. Do not use or store near heat, sparks or open flame. Avoid contact with incompatible materials.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection: Chemical splash goggles in compliance with OSHA regulations are recommended.

Skin Protection: Protective gloves and proper clothing should be worn to prevent skin contact.

Respiratory Protection: Use a NIOSH approved respirator designed to remove particulate matter and organic solvent vapors.

Engineering Controls: Provide sufficient mechanical (general and or local exhaust) ventilation to maintain exposure below acceptable limits. Explosion-proof ventilation system is acceptable.

Exposure Guidelines:

Hazardous Ingredients	CAS Number	OSHA PEL/TWA	ACGIH TLV
Calcium Carbonate	1317-65-3	15 mg/m ³	10 mg/m ³
Quartz	14080-60-7	N/E	0.05 mg/m ³
Talc	14807-96-6	20 mppcf	2mg/m ³
Amorphous Silica	112945-52-5	15 mg/m ³	10 mg/m ³

Mppcf- millions of particles per cubic foot of air

N/E-Not Established

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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	>300°F / >149°C	Vapor Density:	Heavier than air.
Specific Gravity / Density:	11.28 lbs/gal	Percent Volatiles by weight:	0%
Evaporation Rate:	Slower than ethyl ether	Physical State:	Paste
Melting Point:	N/A	pH:	N/A
Odor:	Amine/mercaptan	Solubility:	Insoluble in water
Vapor Pressure:	0.06 mm@70°F	Appearance:	A side: white paste
Octanol/Water Partition Coefficient:	Unknown		
VOC (as packaged-less exempts and water):	0	Percent Solids by weight – as packaged:	100%

SECTION 10. STABILITY AND REACTIVITY**Hazardous Polymerization:** Will not occur by itself.**Hazardous Decomposition:** May form carbon dioxide, carbon monoxide, ammonia gas, toxic nitrogen oxide gas, phenolic compounds and hydrogen sulfide.**Chemical Stability:** Stable under normal handling conditions.**Incompatibility:** Avoid contact in uncontrolled conditions with oxidizing material, acids and bases.**SECTION 11. TOXICOLOGICAL INFORMATION****Acute Toxicity Data:**

Ingredient	CAS #	LD₅₀ Oral-Rat	LC₅₀ Inhalation-Rat
Calcium Carbonate	1317-65-3	6450 mg/kg	N/E
Amporphous Silica	112945-52-5	3160 mg/kg	N/E

N/E-Not Established

Carcinogenicity: See Cancer Information, Section 3.**Mutagenicity:** No significant evidence found.

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Teratogenicity: No significant risk or birth defects or reproductive toxicity to humans.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity: This material is toxic to aquatic organisms and should not be released to sewage, draining systems or any body of water exceeding concentrations of approved limits under applicable regulations and permits.

SECTION 13. DISPOSAL CONSIDERATION

RCRA Hazardous Waste: This material as supplied, if discarded, would be regulated as a hazardous waste under RCRA (40 CFR 261). Dispose of in accordance with applicable federal, state and local regulations.

RCRA Hazard Class: This material would be regulated as EPA Hazard Waste Number D003 based on characteristics of instability.

SECTION 14. TRANSPORT INFORMATION

DOT Description: The DOT Classification for shipping is dependant on quantity, type of packaging (a kit may include other components) or method of shipment.

SECTION 15. REGULATORY INFORMATION**US Federal Regulations****TSCA (Toxic Substances Control Act) Status**

TSCA (USA) The intentional ingredients of this product are listed.

CERCLA RQ - 40 CFR 302.4(a)

none

SARA Title III: Section 302- Extremely Hazardous Substances

none

SARA Title III: Section 313- Toxic Chemical List

none

International Regulations**EINECS (Europe)**

DSL (Canada) The intentional ingredients of this product are listed.

WHMIS Classification

Health Hazard: D2B (other toxic effects)

Physical Hazard: B3 (Combustible liquid)

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State and Local Regulations

California Proposition 65: This product contains the following chemical(s) known to the state of California to cause cancer. PROPYLENE OXIDE, CRYSTALLINE SILICA

This product contains the following chemical(s) known to the state of California to cause birth defects or reproductive harm. NONE

SECTION 16. OTHER INFORMATION

HMIS Rating: Health -2, Flammability -1, Reactivity - 1
Key- 0=Least, 1=Slight, 2=Moderate, 3=Serious, 4=Extreme, *=Chronic Effects

Other Precautions for Use:

Additional Information may be obtained by calling the Evercoat MSDS Hotline at 1-800-729-7600.

NOTICE: The information accumulated herein is believed to be correct as of the date issued from sources, which are believed to be accurate and reliable. Since it is not possible to anticipate all circumstances of use, recipients are advised to confirm, in advance of need, that the information is current, applicable and suitable to their circumstances.

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MSDS Number: 110001

SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**Material Identity**

Product Name: Universal Bonding Adhesive Part B
 Product Numbers: 100816 B
 Product Use: SMC Panel Bonding Adhesive

Company

Fibre Glass-Evercoat
 a Division of Illinois Tool Works Inc.
 6600 Cornell Road
 Cincinnati, Ohio USA
 Phone: 513-489-7600

Emergency Telephone Numbers:

CHEMTREC: 1-800-424-9300
 CANUTEC: 1-613-996-6666

Prepared By: Safety Department

SECTION 2. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient(s)	CAS Number	EINECS Number	% (by weight)
Polyamide Polymer	Proprietary	Proprietary	45 – 50
Calcium Carbonate	1317-65-3	215-279-6	20 – 25
Talc	14807-96-6	238-877-9	5 – 10
2,4,6 Tris dimethylaminomethyl phenol	546-93-0	202-013-9	1 – 5
Magnesite	546-93-0	208-915-9	1 – 5
Amorphous Silica	112945-52-5	231-454-4	1 – 5
Crystalline Silica	14808-60-7	238-878-4	0 – 1

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WARNING! COMBUSTIBLE LIQUID AND VAPOR. HARMFUL IF INHALED.

Potential Health Effects**Acute Effects (Short Term):****Eye:** Contact may cause irritation, redness, tearing and blurred vision.**Skin:** Contact may cause irritation and possible dermatitis.**Swallowing:** Ingestion may cause gastrointestinal irritation, nausea, diarrhea and vomiting. Aspiration of this material into the lungs due to vomiting may produce chemical pneumonitis which can be fatal.**Inhalation:** Excessive inhalation of vapors may cause nasal and respiratory irritation, acute nervous system depression, fatigue, weakness, nausea, headache and dizziness.

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Chronic Effects of Overexposure (Long Term):

Prolonged or repeated exposure may cause asthma and skin sensitization or other allergic response.

Cancer Information: The IARC has classified crystalline silica as a group 1 carcinogen (sufficient evidence of carcinogenicity in humans).

Other Health Effects: None

Primary Route(s) of Entry: inhalation, skin contact, eye contact, ingestion, skin absorption.

SECTION 4. FIRST AID MEASURES

Eyes: Flush eyes gently with water for at least 15 minutes. Seek immediate medical attention.

Skin: Remove contaminated clothing. Wash affected area with soap and water. If symptoms persist, seek medical attention.

Swallowing: Consult a physician or poison control center immediately. DO NOT INDUCE VOMITING.

Inhalation: Remove person to fresh air. Seek immediate medical attention. If person is not breathing, begin artificial respiration.

SECTION 5. FIRE FIGHTING MEASURES

Flash Point: 200°F

Explosive Limit: Lower: N/A Upper: N/A

Autoignition Temperature: N/A

OSHA Flammability Class: Combustible Liquid Class IIIB

Hazardous Products of Combustion: May form carbon dioxide, carbon monoxide, ammonia gas, toxic nitrogen, oxide gas, phenolic compounds and hydrogen sulfide.

Fire and Explosion Hazards: Vapors are heavier than air and may travel along the ground or may be moved along by ventilation and ignited by pilot lights, other flames, spark, heater, smoking, electric motors, static discharge or other ignition sources at locations distant from material handling point.

Extinguishing Media: regular foam, carbon dioxide, dry chemical.

Fire Fighting Instructions: Water may be used to keep fire-exposed containers cool until fire is out. Wear a self contained breathing apparatus (NIOSH

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approved) with a full facepiece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment.

NFPA Rating: Health -2, Flammability -1, Reactivity -1

SECTION 6. ACCIDENTAL RELEASE MEASURES

In Case of Spill: Eliminate all sources of ignition such as flares, flames (including pilot lights) and electrical sparks, Ventilate the area. Wear protective equipment (Section 8). Avoid breathing vapors. Collect with an inert absorbent and dispose of properly.

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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	>300°F / >149°C	Vapor Density:	Heavier than air.
Specific Gravity / Density:	9.41 lbs/gal	Percent Volatiles by weight:	0%
Evaporation Rate:	Slower than ethyl ether	Physical State:	Paste
Melting Point:	N/A	pH:	N/A
Odor:	Amine/mercaptan	Solubility:	Insoluble in water
Vapor Pressure:	0.06 mm@70°F	Appearance:	black paste
Octanol/Water Partition Coefficient:	Unknown		
VOC (as packaged-less exempts and water):	0	Percent Solids by weight – as packaged:	100%

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SARA Title III: Section 302- Extremely Hazardous Substances

none

SARA Title III: Section 313- Toxic Chemical List

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