SDS
Safety Data Sheet

Shep Poxy Roads & Highways Medium Viscosity

1. Product and Company Identification (Part A)

Company	: Adhesive Technology Corp.
Address	: 450 East Copans Road, Pompano Beach, FL 33064
Telephone	: 800.892.1880
Emergency Phone	: 800.255.3924 (ChemTel)
Trade Name	: Ultrabond 2100-1 Part A
Product Use	: Bonding & Coating

2. Hazards Identification/Exposure Limits

GHS Classification:

Health: Skin Irritant Cat 2
Eye Irritant Cat 2B
Carcinogen Cat 2

Physical: Not classified

Environmental: Toxic to Aquatic Life Cat-2

GHS Label:

Eye Irritant
Skin Irritant

Danger:

Possible Carcinogen

Emergency Overview
May cause skin sensitization
Causes skin and eye irritation
May cause cancer
Wash skin thoroughly after handling
Avoid breathing fume/gas/mist/vapors/spray
Wear protective gloves/ protective clothing/ eye protection/ face protection
Use outdoors or in a well-ventilated area

Primary Route of Exposure: Eyes, skin and oral.

Carcinogenicity: This product or one of its ingredients present at 0.1% or more IS listed as a carcinogen or suspect carcinogen by NTP, IARC, Prop 65 or OSHA.

3. Composition/Information On Ingredients

Chemical Name	CAS #	% By Weight
Diglycidyl Ether of Bisphenol A	25085-99-8	60 - 100
Neopentyl glycol diglycidyl ether	17557-23-2	7 - 15
Titanium Dioxide	13463-67-7	0.1 – 1
Naphtha, Heavy Alkylate	64741-65-7	0.1 – 1

4. First Aid Procedures

Description of first aid measures

After inhalation: Move to fresh air; give oxygen if breathing is difficult. Call a physician if symptoms persist.
After skin contact: Remove contaminated clothing. Wash with mild soap and water. Get medical attention if skin irritation or dermatitis persists.
After eye contact: Immediately flush eyes with plenty of water for at least 15 minutes. Call a physician if symptoms persist.
After swallowing: Give plenty of water. DO NOT induce vomiting. Call a physician immediately.

Other: Referral to a physician is recommended if there is any question about the seriousness of the injury/exposure. If sensitization occurs, future contact with the material should be avoided.

5. Firefighting Measures

Flash point: 2040C (>4000F)

Flammable limits: N/A

Extinguisher media: Carbon Dioxide, Dry Chemical, Water Fog

Unusual fire and explosion hazards: None known. Thermal decomposition products can be formed.

Special fire fighting procedures: Firefighters must wear self-contained breathing apparatus and full protective clothing to prevent contact with toxic and/or irritating fumes.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: Avoid all personal contact. In enclosed areas, cleanup personnel should wear self-contained breathing apparatus.

Environmental precautions: Cover spills with sawdust, vermiculite, or other absorbent material to minimize spreading of the material before collecting.

7. Handling and Storage

Handling: Avoid contact with eyes, skin and clothing. Avoid inhalation of vapors. Use with adequate ventilation. Use appropriate personal protection equipment (Section 8). Wash thoroughly after handling.

Storage: Store in a cool dry place away from direct sunlight. Keep from freezing. Recommended storage temperature range in between 4°C and 35°C (40°F and 95°F).

8. Exposure Controls/Personal Protection

Exposure Guidelines

Chemical Name	CAS #	% By Weight	TLV
Titanium Dioxide	13463-67-7	15 mg/m3	10 mg/m3

Engineering measures: Use local and general exhaust ventilation to maintain airborne concentrations below TLV. Suitable respiratory equipment should be used in cases of insufficient ventilation or where operational procedures demand it.

Personal Protective Equipment:

Respiratory protection: None normally required. Use a NIOSH approved organic vapor chemical cartridge respiratorwhen air movement is inadequate to control vapor build-up.

Eye / face protection: Wear splash proof chemical goggles/ full face shield if there is a potential for splashing.

Skin / body protection: Wear suitable gloves (neoprene, nitrile rubber or PVC) and protective clothing to mitigate exposure.

Other protective clothing or equipment: Use protective clothing which is chemical resistant to this material. Safety shoes and boots should also be chemical resistant.

9. Physical and Chemical Properties

Information on basic physical and chemical properties:

Physical state:	Liquid	**Evaporation rate:**	N/D
Appearance:	White liquid	**Vapor pressure:**	N/D
Odor:	Slight odor	**Vapor density:**	N/D
Odor threshold:	N/D	**Specific gravity:**	1.1
pH-value:	N/D	**VOC Content:**	N.D
Change in condition		**Solubility in / miscibility with water:**	Insoluble.
Melting point/Melting range:	N/D		
Boiling point/Boiling range:	N/D		

10. Stability/Reactivity

Stability: Stable.

Thermal decomposition: Can yield CO, CO2 and organic Nitrogen compounds.

Incompatibility: Strong acids, peroxides, and other oxidizing agents.

Conditions to avoid: Exposure to excessive heat and storage above 35°C (95°F) will shorten shelf life.

11. Toxicological Information

Information on toxicological effects:

Acute oral toxicity: Not determined.
Acute dermal toxicity: Not determined.
Acute inhalation toxicity: Not determined.

Primary irritant effect:

On the skin: Irritating to skin. The product has not been tested. The statement has been derived from the properties of the individual components
On the eye: Irritating to eyes. The product has not been tested. The statement has been derived from the properties of the individual components.
Respiratory: Inhalation of vapors or mists may cause lung irritation to the respiratory system.

Sensitization: May cause allergic skin reaction and irritation to the respiratory system. The product has not been tested.
The statement has been derived from the properties of the individual components.

STOT - Single exposure: Not determined.

STOT - Repeated exposure: Not determined.

Carcinogenic Classification:

Acute oral toxicity:

IARC Group 2B: Possibly carcinogenic to humans. This product contains a chemical or chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

12. Ecological Information

Acute toxicity for:

Fish: Diglycidyl Ether of Bisphenol A:
Fathead minnow/LC50 (96hrs): >3.1mg/L
Aquatic invertebrates: Diglycidyl Ether of Bisphenol A:
Water Flea Daphnis/EC 50 (48hrs): > 1.4 mg/L
Algae: No Data Available.
Microorganisms: Diglycidyl Ether of Bisphenol A:
Bacteria, (Growth inhibition)/IC50 (18hrs): > 42.6mg/L
Mobility: Considering the use of the substance, it is unlikely that significant environmental exposure in the air or water will arise.

13. Waste Disposal Information

If the material as supplied becomes a waste, dispose in accordance with federal, state and local regulations.

14. Transportation Information

This product is not regulated as a hazardous material for transportation.

15. Regulatory Information

Further information: HMIS® is a registered trade and service mark of the NPCA.

HMIS® ratings (scale 0 - 4)	
Health:	2
Fire:	1
Reactivity:	0
PPE:	B

NFPA ratings (scale 0 - 4)	
Health:	2
Fire:	1
Reactivity:	0

Hazard rating: 0 = Minimal, 1 = Slight, 2 = Moderate, 3 = Severe, 4 = Extreme

Federal Regulations:

CERCLA RQ

SARA Title 311/312: Not determined.

CA Prop 65: This product contains a chemical or chemicals known to the State of California to cause cancer, birth defects or other reproductive harm. (Titanium Dioxide)

TSCA: Listed or Exempt.

State Regulations:

State RTK	Chemical Name	CAS #
NJ, MA, PA	Diglycidyl Ether of Bisphenol	A 25085-99-8
	Titanium Dioxide	13463-67-7
	Naphtha, Petroleum, Heavy Alkylate (NJ,PA)	64741-65-7

16. Other Information

Hazard Communication: This SDS has been prepared in accordance with the federal OSHA Hazard Communication Standard.

To the best of our knowledge, the information contained herein is accurate. However, Adhesives Technology Corp. does not assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Additional information is available upon request.

Shep Poxy Roads & Highways Medium Viscosity

1. Product and Company Identification (Part B)

Company	: Adhesive Technology Corp.
Address	: 450 East Copans Road, Pompano Beach, FL 33064
Telephone	: 800.892.1880
Emergency Phone	: 800.255.3924 (ChemTel)
Trade Name	: Ultrabond 2100-1 Part B
Product Use	: Bonding & Coating

2. Hazards Identification/Exposure Limits

GHS Classification:

Health: Skin Corrosion Cat 1B
Serious Eye Damage Cat 1
Carcinogen Cat 1
STOT Cat 2

Physical: Not classified

Environmental: Toxic to Aquatic Life Cat-2

GHS Label:

Causes severe burns and Eye damage

Danger:

Carcinogen
Possible organ damage

Emergency Overview
Causes skin burns
Causes severe eye damage
May cause cancer
May cause damage to organs through prolonged or repeated exposure
May be harmful if inhaled
Wash skin thoroughly after handling
Avoid breathing fume/gas/mist/vapors/spray
Wear protective gloves/ protective clothing/ eye protection/ face protection
Use outdoors or in a well-ventilated area

Primary Route of Exposure: Eyes, skin and oral.

Carcinogenicity: This product or one of its ingredients present at 0.1% or more IS listed as a carcinogen or suspect carcinogen by NTP, IARC, Prop 65 or OSHA.

3. Composition/Information On Ingredients

Chemical Name	CAS #	% By Weight
Modified Polyamide	68953-36-6	20-35
Tris-2,4,6(dimethylaminomethyl)phenol	90-72-2	1 - 5
Modified cycoaliphatic Amine	770-35-4	15 - 30
Quartz Silica Sand (Crystalline Silica)	14808-60-7	0.1 – 1
Non Hazardous	Proprietary	30 - 50

4. First Aid Procedures

Description of first aid measures

After inhalation: Move to fresh air; give oxygen if breathing is difficult. Call a physician if symptoms persist.
After skin contact: Remove contaminated clothing. Wash with mild soap and water. Get medical attention if skin irritation or dermatitis persists.
After eye contact: Immediately flush eyes with plenty of water for at least 15 minutes. Call a physician if symptoms persist.

After swallowing: Give plenty of water. DO NOT induce vomiting. Call a physician immediately.

Other: Referral to a physician is recommended if there is any question about the seriousness of the injury/exposure. If sensitization occurs, future contact with the material should be avoided.

5. Firefighting Measures

Flash point: >93°C (200°F)

Flammable limits: N/A

Extinguisher media: Carbon Dioxide, Dry Chemical, Water Fog

Unusual fire and explosion hazards: None known. Thermal decomposition products can be formed.

Special fire fighting procedures: Firefighters must wear self-contained breathing apparatus and full protective clothing to prevent contact with toxic and/or irritating fumes.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: Avoid all personal contact. In enclosed areas, cleanup personnel should wear self-contained breathing apparatus.

Environmental precautions: Cover spills with sawdust, vermiculite, or other absorbent material to minimize spreading of the material before collecting.

7. Handling and Storage

Handling: Avoid contact with eyes, skin and clothing. Avoid inhalation of vapors. Use with adequate ventilation. Use appropriate personal protection equipment (Section 8). Wash thoroughly after handling.

Storage: Store in a cool dry place away from direct sunlight. Keep from freezing. Recommended storage temperature range in between 4ºC and 35ºC (40ºF and 95ºF).

8. Exposure Controls/Personal Protection

Exposure Guidelines

Chemical Name	CAS #	% By Weight	TLV
Quartz Silica Sand (Crystalline Silica)	14808-60-7	0.1 mg/m3	0.025 mg/m3

Engineering measures: Use local and general exhaust ventilation to maintain airborne concentrations below TLV. Suitable respiratory equipment should be used in cases of insufficient ventilation or where operational procedures demand it.

Personal Protective Equipment:

Respiratory protection: None normally required. Use a NIOSH approved organic vapor chemical cartridge respirator when air movement is inadequate to control vapor build-up.

Eye / face protection: Wear splash proof chemical goggles/ full face shield if there is a potential for splashing.

Skin / body protection: Wear suitable gloves (neoprene, nitrile rubber or PVC) and protective clothing to mitigate exposure.

Other protective clothing or equipment: Use protective clothing which is chemical resistant to this material. Safety shoes and boots should also be chemical resistant.

9. Physical and Chemical Properties

Information on basic physical and chemical properties:

Appearance:	Black paste	**Specific gravity:**	N/D
Odor:	Slight odor	**VOC Content:**	N.D
Odor threshold:	N/D	**Solubility in/miscibility with water:**	Insoluble.
pH-value:	N/D		
Evaporation rate:	N/D		
Vapor pressure:	N/D		
Vapor density:	N/D		

10. Stability/Reactivity

Stability: Stable.

Thermal decomposition: Can yield CO, CO2 and organic Nitrogen compounds.

Incompatibility: Strong acids, peroxides, and other oxidizing agents.

Conditions to avoid: Exposure to excessive heat and storage above 35°C (95°F) will shorten shelf life.

11. Toxicological Information

Information on toxicological effects:

Acute oral toxicity: Not determined.
Acute dermal toxicity: Not determined.
Acute inhalation toxicity: Not determined.

Primary irritant effect:

On the skin: Corrosive to skin. The product has not been tested. The statement has been derived from the properties of the individual components.
On the eye: Severe damage to eyes. The product has not been tested. The statement has been derived from the properties of the individual components.
Respiratory: Inhalation of vapors or mists may cause lung irritation to the respiratory system.

Sensitization: May cause allergic skin reaction and irritation to the respiratory system. The product has not been tested. The statement has been derived from the properties of the individual components.

STOT - Single exposure: Not determined.

STOT - Repeated exposure: CNS, Skin

Carcinogenic Classification:

Quartz Silica Sand (Crystalline Silica): IARC Group1: Known human carcinogen based on human evidence.

NTP (National Toxicology Program): Classified Crystalline Silica as a known human carcinogen.

12. Ecological Information

Acute toxicity for:

Fish: Polyamide Resin: Zebrafish /LC50 (96hrs): >5.0mg/l
Aquatic invertebrates: Polyamide Resin: Water Flea Daphnis/EC 50 (48hrs): > 7.07mg/l
Algae: No Data Available.
Microorganisms: No Data Available.
Mobility: CConsidering the use of the substance, it is unlikely that significant environmental exposure in the air or water will arise.

13. Waste Disposal Information

If the material as supplied becomes a waste, dispose in accordance with federal, state and local regulations.

14. Transportation Information

DOT (US)
CARTRIDGE: Limited Quantity, LTD QTY
BULK – Corrosive Liquid, n.o.s. (Amines), Class 8, UN 1760, PG III

IATA/ICAO
CARTRIDGE/BULK: Corrosive Liquid, n.o.s. (Amines), Class 8, UN 1760, PG III

IMDG
CARTRIDGE/BULK: Corrosive Liquid, n.o.s. (Amines), Class 8, UN 1760, PG III
Marine pollutant: No

15. Regulatory Information

Further information: HMIS® is a registered trade and service mark of the NPCA.

HMIS® ratings (scale 0 - 4)	
Health:	*2
Fire:	1
Reactivity:	0
PPE:	G

NFPA ratings (scale 0 - 4)	
Health:	2
Fire:	1
Reactivity:	0

Hazard rating: 0 = Minimal, 1 = Slight, 2 = Moderate, 3 = Severe, 4 = Extreme

Federal Regulations:

SARA Title 311/312: Chronic Health Hazard (Bisphenol A)
CA Prop 65: This product contains a chemical or chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.
TSCA: Listed or Exempt.

State Regulations:

State RTK	Chemical Name	CAS #
NJ, MA, PA	Titanium Dioxide	13463-67-7

16. Other Information

Hazard Communication: This SDS has been prepared in accordance with the federal OSHA Hazard Communication Standard.

To the best of our knowledge, the information contained herein is accurate. However, Adhesives Technology Corp. does not assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Additional information is available upon request.