MATERIAL SAFETY DATA SHEET

Form WI04-11A Rev. 1

Part Number(s):
ADHESIVE 52-800-10
PRIMER 52-800-11

Product Name: NeoBond Adhesive and Primer

Release Date: February 27, 2006

1. Product and Company Identification

Trade Name & Synonyms NeoBond Adhesive and Primer	**MSDS Code Number** Refer to part number
Chemical Name NA	**Manufacture / Distributor** GAC International Inc.
C.A.S. Number NA	**Address** 355 Knickerbocker Ave. Bohemia, NY USA 11716
Grades or Minor Variant Identities NA	**Information Telephone Number** 1-631-419-1700
Product Use (for Canada) NA	**Emergency Telephone Number** 1-631-419-1700

2. Composition of Ingredients

Hazardous Components	C.A.S. Number	Exposure Limits Hazard identification & Risk phrases	%
Urethane Diacrilate Oligomer	72869-86-4	Xi, R36/37/38	15.50
Polymerization accelerators	60506-81-2	N/E	1.60
Triethylenglycoldimethacrylate	109-16-0	Xi	10.40
2-Hydroxyethylmethacrylate	868-77-9	Xi, R36/38-43	3.00
Photo initiators	10334-26-6 10287-53-3	N/E Xi, R36/37/38	0.50
Barium aluminoborosilicate glass	65997-17-3	N/E	64.00
Fumed silica	7631-86-9	R36/37/38	5.00

3. Hazard Identification

Emergency Overview

Xi irritant

Routes of Exposure	Signs and Symptoms	Single, Repeated, or Lifetime Exposure	Severity (Mild, Moderate, Severe)	Acute and Chronic Health Effect(s)	Target Organ(s)
Eye	High concentrations can cause eye irritation.	NA	NA	**Acute**: May cause eye irritation.	NA
Skin	Prolonged skin exposure can cause dryness.	NA	NA	**Acute**: May cause skin irritation.	NA
Inhalation	High concentrations can cause respiratory irritation.	NA	NA	**Acute**: May cause respiratory irritation.	NA
Ingestion	NA	NA	NA	NA	NA
Other	NA	NA	NA	**Chronic**: Material is not known to cause significant health problems.	NA

Medical Conditions Aggravated by Exposure
NA

Carcinogenicity (IARC, NTP)
NTP-No, OSHA-No, IARC -No

Potential Environmental Effects
NA

4. First Aid Measures

Routes of Exposure	First Aid Instructions	Immediate Medical Attention	Delayed Effects
Eye	Flush with large quantities of water for 15 minutes.	Consult a physician.	NA
Skin	Wash with soap and water.	NA	NA
Inhalation	If irritation occurs, take victim to open air.	NA	NA
Ingestion	NA	Consult a Physician.	NA
Other	NA	NA	NA

Note to Physicians (Treatment, Testing, and Monitoring) NA			

5. Fire and Explosion Data

Flashpoint & Method: °C / °F N/E	**Flammable (Explosive) Limits in Air** LEL: NA UEL: NA	**Autoignition Temperature** NA	**Other** NA
Flame Propagation or Burning NA	**Properties Contributing to Fire Intensity** NA	**Flammability Classification** Health-, Flammability-, Reactivity-NA	
Extinguishing Media Carbon dioxide, water spray, dry chemical.		**Extinguishing Media to Avoid**	
Protection and Procedures for Firefighters Avoid a direct jet of water.			
Unusual Fire and Explosion Hazards None			

6. Accidental Release Measures

Containment Techniques
NA

Spill/Leak Clean-Up Procedures and Equipment
Contain spill and pick up material with a suitable absorbent material. Place absorbent into a container for later disposal. Clean spill area with detergent and water.

Evacuation Procedures
NA

Special Instructions
Avoid seepage into sewers and water supplies.

Reporting Requirements
NA

7. Handling and Storage

Handling Practices and Warnings
No special measures necessary if handled according to instructions.

Storage Practices and Warnings
Keep container tightly closed when not in use. Store in a cool, dry location, away from light, open flames, contamination. Keep material in original packaging.

8. Exposure Control/Personal Protection

Ventilation Use only in well ventilated areas.	**Other Engineering Controls** NA

Routes of Entry:	Personal Protective Equipment (PPE) for Normal Use:	PPE for Emergencies:
Eye/Face	NA	NA
Skin	Avoid unnecessary skin contact. Wear latex gloves when handling.	NA
Inhalation	NA	NA

General Hygiene Considerations and Work Practices
Remove spilled material from skin and clothing. Do not eat or drink when handling this material.

Protective Measures During Repair and Maintenance of Contaminated Equipment
NA

Other Protective Measures and Equipment
NA

9. Physical and Chemical Characteristics

Appearance Light yellow paste.	**Odor** Specific odor.
Normal Physical State: ☒ Liquid (PRIMER) ☐ Gas ☐ Solid ☒ PASTE (ADHESIVE)	**Boiling Point** °C / °F N/E **Melting Point** °C / °F NA **Freezing Point** °C / °F NA

Specific Gravity or Density (H_20=1) NA	**Solubility in Water** Insoluble	**pH** NA
Vapor Pressure (mm Hg @ 20°C) NA	**Vapor Density (AIR= 1)** N/A	**Evaporation Rate (Butyl Acetate = 1)** N/A
Other NA		

10. Stability and Reactivity Data

Incompatibility (Materials to Avoid)

Free radicals, reducing agents, heavy metal ions. **Hazardous reactions**: None if handled according to directions.

Hazardous Products Produced During Decomposition

Carbon dioxide, carbon monoxide, acrylic decomposition products, depending on conditions of heating and burning.

Hazardous Polymerization? ☒ May Occur ☐ May Not Occur	**Conditions to Avoid** Heat; UV-light
Stability? ☒ Stable ☐ Unstable	**Conditions to Avoid** °C / °F NA

11. Toxicological Information

Toxicity Data, Epidemiology Studies, Carcinogenicity, Neurological Effects, Genetic or Reproductive Effects, or Structure Activity Data

Acute oral toxicity: LD50 (rat) >5000 mg/kg

Irritation of skin: Dryness and Irritation possible upon prolonged exposure.

Allergic effects: Methacrylate sensitive individuals may exhibit an allergic reaction.

12. Ecological Information

Toxicity, Environmental Fate, Physical/Chemical Data, or Other Data Supporting Environmental Hazard Statements

Do not discharge into sewers or water supplies.

Environmental persistence and degradability: No data available.

Ecotoxicity: No data available.

13. Disposal Considerations

Regulations

May be disposed of in landfill or incinerator in accordance with local, state and federal regulations.

Properties (Physical/Chemical) Affecting Disposal

NA

14. Transport Information

Regulated for shipping?	Proper Shipping Name	Packing Group
☐ Yes ☒ No	NeoBond Adhesive and Primer	None

Do changes in quantity, packaging, or shipment method change product classification?	Hazard Class	Identification Number
☐ Yes ☒ No	None	None

Other
Not considered hazardous cargo.

15. Regulatory Information

Federal Regulations

U.S.-O.S.H.A. Status: This material is not hazardous under the criteria of the U.S. Federal Hazard Communication Standard.

International Regulations

NA

Other
Material should be maintained in original containers. Empty containers should not be re-used.
AN SI/NFPA 704 DATA
Fire=2
Health=1
Reactivity=1 Specific
Hazard=None

16. Other Information

Supplier Number: 168/52 **Supplier Release:** December 19, 2005

N/A = not applicable. **NA** = not available, **N/E** = not established. **N/D** = not determined.