

7353

C34403

V# 007155

AdhesiveMaterialsGroup

A DIVISION OF HISCO

Material Safety data sheet

Revision: August 4, 2011

1 Chemical Product and Company Identification

Product/Chemical Name: Quick Block Adhesive Component A

General Use: Adhesive

Manufacturer: Adhesive Materials Group
10803 Vinecrest #190
Houston, Texas 77086
Phone (800) 281-2307
Fax (281) 885-3829

Emergency Contact: Chemtrec
Phone (800) 424-9300

2 Hazards Identification

Hazard Designation:



HMIS	
H	2
R	1

Information pertaining to particular dangers

R20: Harmful by inhalation

R36/37/38: Irritating to eyes, respiratory system and skin

R40: Limited evidence of a carcinogenic effect

R48/20: Harmful; danger of serious damage to health by prolonged exposure through inhalation.

Classified according to Articles 6 & 7 of Directive 1999/45/EC

3 Composition / Information on Ingredients

Component	ACGIH TWA	OSHA PEL	Hazard Designation	Weight Percent
poly(oxy-1,4-butanediyl), alpha-hydro-omega- hydroxy-, polymer with 1,3- diisocyanato-2- methylbenzene and 2,4- diisocyanato-1-methylbenzene CAS Number: 64771-77-3	Not Established	Not Established	None	95%-99%
4,4' Methylene bis(phenylisocyanate) (MDI) CAS Number: 101-68-8 EINECS Number: 202-966-0	0.005 ppm	0.02 ppm	Xn = Harmful	1%-5%

4 First Aid Measures

Inhalation: Remove source(s) of contamination and move victim to fresh air. If breathing has stopped, give artificial respiration, then oxygen if needed. Contact physician immediately.

Eye Contact: Flush eyes with plenty of water. If irritation persists, seek medical attention.

Skin Contact: In case of skin contact, wash thoroughly with soap and water; remove contaminated clothing and launder before reuse; seek medical attention if rash develops.

AdhesiveMaterialsGroup

A DIVISION OF HISCO

Material Safety data sheet

Revision: August 4, 2011

Ingestion: Do not induce vomiting unless instructed by a physician. Contact physician immediately.

Trade name: Quick Block Adhesive Component A

5 Fire-Fighting Measures

Flash Point: 446°F (230°C)

Flash Point Method: COC

LEL: Not Established

UEL: Not Established

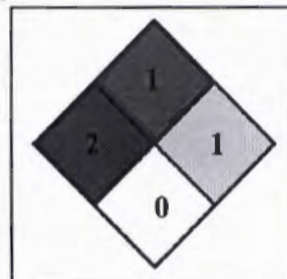
Flammability Classification: Non-Flammable

Extinguishing Media: Water Fog, Dry Chemical, and Carbon Dioxide Foam

Unusual Fire or Explosion Hazards: Hazardous decomposition products may be formed. Avoid water contamination in closed containers or confined areas as exothermic heat and carbon dioxide can evolve.

Fire-Fighting Instructions: Fire fighters should wear self-contained breathing apparatus. Do not release runoff from fire control methods to sewers or waterways.

Fire-Fighting Equipment: Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full face piece operated in pressure-demand or positive-pressure mode.



6 Accidental Release Measures

Spill/Leak Procedures: Only properly protected personnel should remain in the spill area; dike and contain spill; absorb or scrape up excess into suitable container for disposal; wash area with dilute ammonia solution. Stop or reduce discharge if it can be done safely.

7 Handling and Storage

Handling Precautions: Minimize breathing of vapors and avoid prolonged or repeated contact with skin. Wear proper protective equipment. If ventilation is not sufficient, wear proper respiratory equipment. Avoid moisture contamination. Reseal partial containers. Use good general housekeeping procedures.

Storage Requirements: Store in a cool dry, well-ventilated area.

8 Exposure Controls / Personal Protection

Respiratory Protection: Follow OSHA respirator regulations 29 CFR 1910.134 and European Standard EN 149; wear an MSHA/NIOSH or European Standard EN149 approved respirator.

Protective Clothing/Equipment: Wear chemically protective gloves to prevent prolonged or repeated skin contact. Wear protective eyeglasses or chemical safety goggles, per OSHA eye and face-protection regulations 29 CFR 1910.133 and European Standard EN 166. Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses.



Comments: Do not eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

9 Physical and Chemical Properties

Physical State: Liquid

Appearance: Light Yellow liquid

Odor: Slightly Musty odor

Vapor Pressure: <0.00001 @ 25°C

Water Solubility: Reacts with water

Boiling Point: > 300 C decomposes

% Volatile: 0 %

Freezing/Melting Point: None Determined

AdhesiveMaterialsGroup

A DIVISION OF HISCO

Material Safety data sheet

Revision: August 4, 2011

Vapor Density (Air=1): 8.5
Specific Gravity (H₂O=1, at 4 °C): 1.15

Viscosity: 600-700 CPS
Evaporation Rate: Not Applicable

Trade name: Quick Block Adhesive Component A

10 Stability and Reactivity

Stability: These products are stable at room temperature in closed containers under normal storage and handling conditions.

Polymerization: Hazardous polymerization can occur.

Chemical Incompatibilities: Strong bases, water, amines, alcohols.

Conditions to Avoid: Avoid contamination with water and other materials that react with Isocyanates.

Hazardous Decomposition Products: MDI vapors, hydrogen cyanide gas, oxides of nitrogen, carbon monoxide and carbon dioxide.

11 Toxicological Information

Hazardous Component	LD50 Oral	LC50 Inhalation
4,4' Methylene bis(phenylisocyanate) (MDI)	Mouse: 2200 mg/kg Rat: 9200 mg/kg	Rat: 178 mg/m ³

12 Ecological Information

For MDI

Aquatic: Rapidly hydrolyzes to form an insoluble crust. Terrestrial: Will bind with moist soil no leaching will occur. Atmospheric: Remains in the vapor phase and half-life is 32 hours. Will not biodegrade.

13 Disposal Considerations

Disposal: These materials must be disposed of in accordance with local regulations.

14 Transport Information

DOT
Not Regulated

IATA
Not Regulated

IMDG
Not Regulated

15 Regulatory Information

United States EPA Regulations:

Clean Air Act

SOCMI Chemical:

This product contains the following chemicals that are subject to release reporting requirements under **section 313 of SARA Title III.**

<u>Chemical Name</u>	<u>CAS #</u>	<u>% by Weight</u>
4,4' Methylene bis(phenylisocyanate)	101-68-8	1%-5% Max

TSCA Inventory Status (40 CFR710): All components of this formulation are listed in the TSCA Inventory.

California Proposition 65: These products do not intentionally contain any chemicals which have been identified by the state of California to cause cancer, birth defects or other reproductive harm.

This product has been classified in accordance with the hazard criteria of the CPR (Controlled Products Regulations) and this MSDS (Material Safety Data sheet) contains all of the information required by the CPR

AdhesiveMaterialsGroup

A DIVISION OF HISCO

Material Safety data sheet

Revision: August 4, 2011

Trade name: Quick Block Adhesive Component A

Canadian Regulations;

WHMIS Identification:

CDSL/NDL (Canadian Domestic Substance List/Non Domestic Substance List): **Listed on CDSL**



Labeling according to EEC Directive

Risk Phrases	Symbol(s) Required for EU Label	Safety Phrases
R20: Harmful by inhalation R36/37/38: Irritating to eyes, respiratory system and skin R40: Limited evidence of a carcinogenic effect R48/20: Harmful; danger of serious damage to health by prolonged exposure through inhalation.	 (Xn= Harmful)	S1/2: Keep locked up and out of reach of children. S23: Do not breath vapors S36/37: Wear suitable protective equipment. S45: In case of an accident or if you feel sick, seek medical attention

16 Other Information

DISCLAIMER: The information contained in this MSDS is considered accurate as of the version date. However no warranty is expressed or implied regarding the accuracy of the data. Since the use of this product is not within the control of AMG., it is the user's obligation to determine the suitability of the product for its intended application and assumes all risk and liability for its safe use.

This Material Safety Data Sheet is prepared to comply with the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200), the Canadian Workplace Hazardous Materials Information System (WHMIS), and European Union Directive 1907/2006/EEC (REACH). Hazard symbols and risk phrases are based on maximum listed concentration of each hazardous ingredient. Unlisted ingredients are not "hazardous" per the OSHA Hazard Communication Standard (29 CFR 19*10.1200), the Canadian Workplace Hazardous Materials Information System (WHMIS) or the European Union (EU/EEC) directive 1907/2006/EEC and are considered trade secrets under US Federal Law (29CFR and 40CFR), Canadian Law (Health Canada Legislation), and European Union Directives.

AdhesiveMaterialsGroup

A DIVISION OF HISCO

Material Safety data sheet

Revision: August 4, 2011

Trade name: Quick Block Adhesive Component B

1 Chemical Product and Company Identification

Product/Chemical Name: Quick Block Adhesive Component B

General Use: Adhesive
Manufacturer: Adhesive Materials Group
10803 Vinecrest #190
Houston, Texas 77086
Phone (800) 281-2307
Fax (281) 885-3829

Emergency Contact: Chemtrec
Phone (800) 424-9300

2 Hazards Identification

Hazard Designation:



HMIS	
H	2
F	1
R	0

Xn: Harmful N: Dangerous for the environment

Information pertaining to particular dangers

R20/21/22: Harmful by inhalation, contact with skin and if swallowed

R33: Danger of cumulative effects

R36/37/38: Irritating to eyes, respiratory system and skin

R52/R53: Harmful to aquatic organisms may cause long-term adverse effects in the aquatic environment.

Classified according to Articles 6 & 7 of Directive 1999/45/EC

3 Composition / Information on Ingredients

Component	ACGIH TWA	OSHA PEL	Hazard Designation	Weight Percent
Polyol Blend (Non-Hazardous)	None Established	None Established	None	85%-90%
Diethyltoluenediamine CAS Number: 68479-98-1 EINECS Number: 247-783-7	None Established	None Established	 Xn N	10%-15%

4 First Aid Measures

Inhalation: Remove source(s) of contamination and move victim to fresh air.

Eye Contact: Flush eyes with plenty of water. If irritation persists, seek medical attention.

Skin Contact: In case of skin contact, wash thoroughly with soap and water; remove contaminated clothing and launder before reuse; seek medical attention if rash develops.

Ingestion: Do not induce vomiting unless instructed by a physician. Contact physician immediately.

AdhesiveMaterialsGroup

A DIVISION OF HISCO

Material Safety data sheet

Revision: August 4, 2011

Trade name: Quick Block Adhesive Component B

5 Fire-Fighting Measures

Flash Point: >368°F (187°C)

Flash Point Method: Open cup

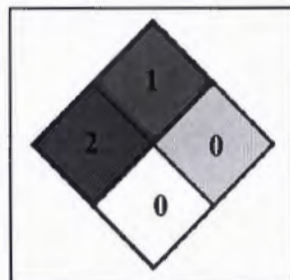
Flammability Classification: Non-Flammable

Extinguishing Media: Water Fog, Dry Chemical, and Carbon Dioxide Foam

Unusual Fire or Explosion Hazards: None

Fire-Fighting Instructions: Fire fighters should wear self-contained breathing apparatus. Do not release runoff from fire control methods to sewers or waterways.

Fire-Fighting Equipment: Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full face piece operated in pressure-demand or positive-pressure mode.



6 Accidental Release Measures

Spill/Leak Procedures: Dike and contain spill; absorb or scrape up excess into suitable container for disposal. Stop or reduce discharge if it can be done safely.

Regulatory Requirement: Follow applicable OSHA regulations (29 CFR 1910.120)

7 Handling and Storage

Handling Precautions: Minimize breathing of vapors and avoid prolonged or repeated contact with skin. Wear proper protective equipment. If ventilation is not sufficient, wear proper respiratory equipment. Use good general housekeeping procedures.

Storage Requirements: Store in a cool dry, well-ventilated area.

8 Exposure Controls / Personal Protection

Respiratory Protection: Follow OSHA respirator regulations 29 CFR 1910.134 and European Standard EN 141, 143 and 371; wear an MSHA/NIOSH or European Standard EN 141, 143 and 371 approved respirators. *Warning! Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.* If respirators are used, OSHA requires a written respiratory protection program that includes at least: medical certification, training, fit-testing, periodic environmental monitoring, maintenance, inspection, cleaning and convenient, sanitary storage areas.

Protective Clothing/Equipment: Wear chemically protective gloves to prevent prolonged or repeated skin contact. Wear protective eyeglasses or chemical safety goggles, per OSHA eye and face-protection regulations 29 CFR 1910.133 and European Standard EN 166. Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses.



Comments: Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

9 Physical and Chemical Properties

Physical State: Liquid

Appearance: Cloudy liquid

Odor: Musty odor

Vapor Pressure: , 1 mmHg @ 25 C

Water Solubility: Slight

Boiling Point: No Data

% Volatile: 0 %

Freezing/Melting Point: Not Determined

Material Safety data sheet

Revision: August 4, 2011

Vapor Density (Air=1): >1
Specific Gravity (H₂O=1, at 4 °C): 1.019

Viscosity: 900-1100 Cps
Evaporation Rate: Not Determined

Trade name: Quick Block Adhesive Component B

10 Stability and Reactivity

Stability: These products are stable at room temperature in closed containers under normal storage and handling conditions.
Polymerization: Hazardous polymerization can not occur.
Chemical Incompatibilities: Strong acids and oxidizers
Conditions to Avoid: Avoid contamination with water and other materials that react with amines.
Hazardous Decomposition Products: Oxides of nitrogen, carbon monoxide and carbon dioxide.

11 Toxicological Information

Acute Inhalation Effects: None Established
Acute Oral Effects: None Established

Toxicity Data:

Reproductive Toxicity: None Established
Mutagenicity: None Established
Teratogenicity: None Established
Sensitization: None Established

12 Ecological Information

None Established

13 Disposal Considerations

Disposal: These materials must be disposed of in accordance with applicable Federal, state and local regulations.

14 Transport Information

DOT
Not Regulated

IATA
Not Regulated

IMDG
Not Regulated

15 Regulatory Information

United States EPA Regulations:

SARA Toxic Chemical (40 CFR 372.65): This product contains the following chemicals that are subject to release reporting requirements under section 313 of SARA Title III.

TSCA Inventory Status (40 CFR710): All components of this formulation are listed in the TSCA Inventory.

California Proposition 65: These products do not intentionally contain any chemicals which have been identified by the state of California to cause cancer, birth defects or other reproductive harm.

Canadian Regulations:

WHMIS Identification: **D2A, D2B**

CDSL/NDL (Canadian Domestic Substance List/Non Domestic Substance List): **Listed on CDSL**



AdhesiveMaterialsGroup

A DIVISION OF HISCO



Material Safety data sheet

Revision: August 4, 2011

This product has been classified in accordance with the hazard criteria of the CPR (Controlled Products Regulations) and this MSDS (Material Safety Data sheet) contains all of the information required by the CPR.

Trade name: Quick Block Adhesive Component B

Labeling according to EEC Directive

Risk Phrases	Symbol(s) Required for EU Label	Safety Phrases
<p>Information pertaining to particular dangers R20/21/22: Harmful by inhalation, contact with skin and if swallowed R33: Danger of cumulative effects R36: Irritating to eyes. R50/R53: Very toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.</p>	<p> (Xn= Harmful)</p> <p> (N= Dangerous for the environment)</p>	<p>S2: Keep out of reach of children. S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S28: After contact with skin wash immediately with plenty of soap and water. S36/37/39 Wear suitable protective clothing, gloves and eye and face protection. S45: In case of an accident or if you feel sick, seek medical attention. S53: Avoid exposure. S61: Avoid release to the environment. (See MSDS).</p>

16 Other Information

DISCLAIMER: The information contained in this MSDS is considered accurate as of the version date. However no warranty is expressed or implied regarding the accuracy of the data. Since the use of this product is not within the control of AMG, it is the user's obligation to determine the suitability of the product for its intended application and assumes all risk and liability for its safe use.

This Material Safety Data Sheet is prepared to comply with the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200), the Canadian Workplace Hazardous Materials Information System (WHMIS), and European Union Directive 1907/2006/EEC (REACH). Hazard symbols and risk phrases are based on maximum listed concentration of each hazardous ingredient. Unlisted ingredients are not "hazardous" per the OSHA Hazard Communication Standard (29 CFR 1910.1200), the Canadian Workplace Hazardous Materials Information System (WHMIS) or the European Union (EU/EEC) directive 1907/2006/EEC and are considered trade secrets under US Federal Law (29CFR and 40CFR), Canadian Law (Health Canada Legislation), and European Union Directives.