

IDENTIFICATION

PRODUCT NAME: ADHL-POLY-83 - PART A

MANUFACTURER/SUPPLIER: Adhesiveslab 235 Rayette Rd, Unit #4 Concord, Ontario Canada L4K 2G1 24
HOUR EMERGENCY NUMBER: 1-800-340-7697
APPLICATION AND USE: Floor Coating

PRODUCT DESCRIPTION: Is a two-component Polycarbamide floor coating system

HAZARDS IDENTIFICATION

GHS CLASSIFICATION

-Skin sensitization: Category 1



SIGNAL WORD
WARNING

HAZARD STATEMENTS

-H317 May cause an allergic skin reaction

PRECAUTIONARY STATEMENTS

PREVENTION

- P261 Avoid breathing dust/fume/gas/mist/vapours/spray
- P272 Contaminated work clothing should not be allowed out of the workplace
- P280 Wear protective gloves/protective clothing/eye protective/face protection

RESPONSE

IF ON SKIN:

- P302 + P352 Wash with plenty of water.
- P333 + P313 If skin irritation or rash occurs: Get medical attention.
- P362 + P364 Take off contaminated clothing and wash it before reuse.

DISPOSAL

- P501 Dispose of contents/container into safe container in accordance with local, regional or national regulations.

COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients	CAS number or other	Concentration (%)
Diethyl fumarate	623-91-6	< 30 %

SAFETY DATA SHEET

FIRST-AID MEASURES

EYE CONTACT

- Do not rub your eyes.
- Flush eyes immediately with large amounts of running water for at least 15 minutes while holding eyelids open until irritation subsides.
- Do not attempt to neutralize with chemical agents. Obtain medical attention immediately.

SKIN CONTACT

- Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
- Laundering enough contaminated clothing before reuse.
- Go to the hospital immediately if symptoms (flare, irritate) occur.
- Wash thoroughly after handling.
- Wash immediately with plenty of soap and water. Remove and clean all contaminated clothing and launder before reuse.

INHALATION

- When exposed to large amounts of steam and mist, move to fresh air.
- Take specific treatment if needed.
- In the case of overexposure, remove to fresh air. Get medical attention if the victim is in respiratory distress.

INGESTION

- About whether I should induce vomiting Take the advice of a doctor
- Rinse your mouth with water immediately.
- If swallowed, drink two glasses of water. Do not induce vomiting. The material is corrosive. Do not give anything to mouth to an unconscious person. Get prompt medical attention.

ADDITIONAL INFORMATION

- Notify medical personnel of contaminated situations and have them take appropriate protective measures.

MOST IMPORTANT SYMPTOMS/ EFFECTS, ACUTE OR DELAYED

- Not available.

FIRE-FIGHTING MEASURES

GENERAL FIRE HAZARDS

SUITABLE EXTINGUISHING MEDIA

-In case of fire: Use carbon dioxide (CO₂), dry chemical, alcohol resistant foam.

UNSUITABLE EXTINGUISHING MEDIA

- In case of fire: Use carbon dioxide (CO₂), dry chemical, alcohol resistant foam.

SPECIAL PROTECTION EQUIPMENT FOR FIRE FIGHTERS

During a fire, irritating/toxic fumes may be generated. Do not enter fire area without proper protection. Firefighters should wear proper protective equipment as required.

HAZARDOUS COMBUSTION PRODUCTS

-Carbon monoxide (CO), toxic fumes, ammoniagas, nitrogen oxide

ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Evacuate non-emergency personnel. Isolate the area and prevent access. Control source of the leak. Ensure clean-up is conducted by trained personnel only. All persons dealing with clean-up should wear the appropriate protective equipment. Prevent the spill spread into drains, sewers, water supplies, or soil. Do not touch or walk through spilled material.

ENVIRONMENTAL PRECAUTIONS

-Prevent runoff and contact with waterways, drains or sewers
-If large amounts have been spilled, inform the relevant authorities.

CONTAINMENT AND CLEAN UP

Avoid prolonged exposure. Stop leak if you can do it without risk. Spill should be contained with inert material and disposed into suitable retaining area. Do not touch or walk through spilled material. Small volumes of liquid may be contained or absorbed into an appropriate absorbent. Keep away from all watercourses. Do not flush down storm or sanitary sewer. Dispose of in accordance with local, provincial and federal regulations.

HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING AND SAFE STORAGE

Store in a cool, well-ventilated area. Keep container closed when not in use. Do not handle or store near open flames, heat or other sources of ignition. Store away from incompatible materials. Inspect all incoming containers to make sure they are properly labelled and not damaged. Storage area should be clearly identified, clear of obstruction and accessible only to trained personnel. Inspect periodically for damage or leaks. Storage temperature: 16 - 27 °C.

EXPOSURE CONTROLS / PERSONAL PROTECTION

APPROPRIATE ENGINEERING CONTROL

Use product in well-ventilated areas. Do not spray the product. Local exhaust ventilation system is recommended to maintain concentrations of contaminants below exposure limits. Supply emergency safety/quick-drench shower, eyewash station and washing facilities available in work area and near handling area. Where such systems are not effective, wear suitable personal protection equipment which performs satisfactorily and meets recognized standards.

PERSONAL PROTECTIVE EQUIPMENT

Gloves: Neopren gloves or equivalent; Clothing: Shirts with long sleeves, long pants; Respiratory: Not required if working area is well ventilated. Use a NIOSH approved respirators if the exposure limits are unknown; Equipment: Safety glasses, chemical resistant. Special instructions for protection and hygiene: Wash hands/nails/face thoroughly after handling. Do not eat, drink or smoke when using this product. Practice good personal hygiene after using this material. Remove and wash contaminated work clothing before re-use. Educate and train employees in the safe use and handling of this product. Follow all label instructions.

PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid	Vapour pressure: Not available
Odour: Faint odor	Vapour density: Not available
Odour threshold: Not available	Relative density: Not available
pH: Not available	Solubility: Not soluble
Melting/freezing point: Not available	pH: Neutral 7
Initial boiling point/range: Not available	Partition Coefficient (n-octanol/water): N/A
Flash point: > 90oC	Odour
Evaporation rate: Not available	Auto-ignition temperature: Not available
Flammability (solids and gases): Not available	Decomposition temperature: Not available
Viscosity: Not available	

STABILITY AND REACTIVITY

Reactivity Stable under normal conditions.

Chemical stability Yes, Stable under the recommended storage and handling conditions prescribed.

Possibility of hazardous reactions Non under normal conditions of storage and use.

Conditions to avoid (static discharge, shock or vibration) Excess heat.

Incompatible materials Organic acid, mineral acid, peroxide, oxidizing agents, nitrous acid, sodium hypochlorite.

Hazardous decomposition products Nitrogen oxide, carbon mono and dioxide (CO) (CO₂), nitrosamine, nitric acid, ammonia

TOXICOLOGICAL INFORMATION

Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact) May cause an allergic skin reaction.

Symptoms related to the physical, chemical and toxicological characteristics No specific information available.

Delayed and immediate effects (chronic effects from short-term and long-term exposure) Skin Sensitization

- May cause allergic skin reaction. Skin disorders and Allergies. Respiratory Sensitization – No data available; Germ Cell Mutagenicity
- No data available; Carcinogenicity
- No ingredient listed by IARC, ACGIH, NTP or OSHA; Reproductive Toxicity
- No data available; Specific Target Organ Toxicity
- Single Exposure
- No data available; Specific Target Organ Toxicity
- Repeated Exposure
- No data available; Aspiration Hazard
- No data available; Health Hazards Not Otherwise Classified
- No data available.

ECOLOGICAL INFORMATION

-Toxicity to fish: CAS 623-91-6: - LC50: 66mg/l (Zebra fish (Brachydanio rerio) 96h)

-Toxicity to Aquatic Invertebrates: EC 50: 88.6 mg/l (Water flea (Daphnia magna) 48h)

-Toxicity to Aquatic and Terrestrial Plants: EC 50: 3110 mg/l (Green algae (Scenedesmus subspicatus) 72h); 111 mg/l, 72h

TRANSPORTATION INFORMATION

Domestic/International Regulation

UN number; Proper shipping name; Class(es); Packing group (PG) of the TDG Regulations Not regulated

UN number; Proper shipping name; Class(es); Packing group (PG) of the IMDG (maritime) Not regulated

UN number; Proper shipping name; Class(es); Packing group (PG) of the IATA (air) Not regulated

Special precautions (transport/conveyance) None

Environmental hazards (IMDG or other) None

Bulk transport (usually more than 450 L in capacity) None

The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.

IDENTIFICATION

PRODUCT NAME: ADHL-POLY-83 - **PART B**

MANUFACTURER/SUPPLIER: Adhesiveslab 235 Rayette Rd, Unit #4 Concord,
Ontario Canada L4K 2G1 24

HOUR EMERGENCY NUMBER: 1-800-340-7697

APPLICATION AND USE: Floor Coating

PRODUCT DESCRIPTION: ADHL-POLY-83 Part B Top Coat Polycarbamide

HAZARDS IDENTIFICATION

GHS CLASSIFICATION

- Skin corrosion/irritation (Category 2)
- Serious eye damage/eye irritation (Category 2B)
- Skin sensitization (Category 1)
- Acute toxicity, Inhalation (Category 4)
- Sensitization Respiratory (Category 1)
- Specific target organ toxicity, single exposure, Respiratory track irritation (STOT, SE) (Category 3)
- Specific target organ toxicity, repeated exposure (STOT, RE) (Category 2)

SIGNAL WORD WARNING



HAZARD STATEMENTS

- H315 + H320 Causes skin and eye irritation.
- H317 May cause an allergic skin reaction.
- H332 Harmful if inhaled
- H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled
- H335 May cause respiratory irritation
- H373 May cause damage to organs through prolonged or repeated exposure

PRECAUTIONARY STATEMENTS

PREVENTION

- P260 + P261 Do not/Avoid breathing dust/fume/gas/mist/vapours/spray.
- P264 Wash hands/nails/face/eyes thoroughly after handling.
- P270 Do not eat, drink or smoke when using this product
- P271 Use only outdoors or in a well ventilated area
- P272 Contaminated work clothing should not be allowed out of the workplace.
- P280 Wear gloves/protective clothing/gloves/eye protection/face protection.
- P284 (In case of inadequate ventilation) wear respiratory protection.

RESPONSE

IF ON SKIN:

- P302 + P352 Wash with plenty of water.
 P332 + P313 If skin irritation occurs: get medical advice/attention
 P362 + P364 Take off contaminated clothing and wash it before reuse.

IF INHALED:

- P304 + P340 Remove person to fresh air and keep comfortable for breathing.
 P312 Call a doctor if you feel unwell.
 P342 + P311 If experiencing respiratory symptoms: Call a POISON CENTER/doctor

IF IN EYES:

- P305 + P351 + P338 Rinse cautiously with water. Remove contact lenses, if present and easy to do.
 Continue rinsing.
 P337 + P313 If eye irritation persists: Get medical attention.

STORAGE

- P403 + P233 Store in a well ventilated place. Keep container tightly closed.

DISPOSAL

- P501 Dispose of contents/container in accordance with local/regional/national/ international regulation.

COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name (common name/synonyms)	CAS number or other	Concentration (%)
1,6 -Hexamethylene Diisocyanate Based Polyisocyanate	28182-81-2	< 90 %
Aliphatic diisocyanate	822-06-0	< 0,5 %
Aliphatic polyisocyanate	-----	< 20 %

SAFETY DATA SHEET

FIRST-AID MEASURES

EYE CONTACT

-Do not rub your eyes.

-Flush eyes immediately with large amounts of running water for at least 15 minutes while holding eyelids open until irritation subsides.

-Do not attempt to neutralize with chemical agents. Obtain medical attention immediately.

SKIN CONTACT

-Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

- Laundering enough contaminated clothing before reuse.

- Go to the hospital immediately if symptoms (flare, irritate) occur.

- Wash thoroughly after handling.

- Wash immediately with plenty of soap and water. Remove and clean all contaminated clothing and launder before reuse.

INHALATION

- When exposed to large amounts of steam and mist, move to fresh air.

- Take specific treatment if needed.

- In the case of overexposure, remove to fresh air. Get medical attention if the victim is in respiratory distress.

INGESTION

- About whether I should induce vomiting Take the advice of a doctor

- Rinse your mouth with water immediately.

- If swallowed, drink two glasses of water. Do not induce vomiting. The material is corrosive. Do not give anything to mouth to an unconscious person. Get prompt medical attention.

ADDITIONAL INFORMATION

-Notify medical personnel of contaminated situations and have them take appropriate protective measures.

MOST IMPORTANT SYMPTOMS/ EFFECTS, ACUTE OR DELAYED

-Not available.

FIRE-FIGHTING MEASURES

GENERAL FIRE HAZARDS

SUITABLE EXTINGUISHING MEDIA

-In case of fire: Use carbon dioxide (CO₂), dry chemical, alcohol resistant foam.

UNSUITABLE EXTINGUISHING MEDIA

- In case of fire: Use carbon dioxide (CO₂), dry chemical, alcohol resistant foam.

SPECIAL PROTECTION EQUIPMENT FOR FIRE FIGHTERS

During a fire, irritating/toxic fumes may be generated. Do not enter fire area without proper protection. Firefighters should wear proper protective equipment as required.

HAZARDOUS COMBUSTION PRODUCTS

-Carbon monoxide (CO), toxic fumes, ammoniagas, nitrogen oxide

ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Evacuate non-emergency personnel. Isolate the area and prevent access. Control source of the leak. Ensure clean-up is conducted by trained personnel only. All persons dealing with clean-up should wear the appropriate protective equipment. Prevent the spill spread into drains, sewers, water supplies, or soil. Do not touch or walk through spilled material.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

Avoid prolonged exposure. Stop leak if you can do it without risk. Spill should be contained with inert material and disposed into suitable retaining area. Do not touch or walk through spilled material. Small volumes of liquid may be contained or absorbed into an appropriate absorbent. Keep away from all watercourses. Do not flush down storm or sanitary sewer. Take precautionary measures against static discharges. Dispose of in accordance with local, provincial and federal regulations.

HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

Do not/Avoid breathing dust/fume/gas/mist/vapours/spray. Wash hands/nails/face/eyes thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well ventilated area. Contaminated work clothing should not be allowed out of the workplace. Wear gloves/protective clothing/gloves/eye protection/face protection. (In case of inadequate ventilation) wear respiratory protection

CONDITIONS FOR SAFE STORAGE INCLUDING ANY INCOMPATIBILITIES

Store in a cool, well-ventilated area. Keep container closed when not in use. Do not handle or store near open flames, heat or other sources of ignition. Store away from incompatible materials (Section 10). Inspect all incoming containers to make sure they are properly labelled and not damaged. Storage area should be clearly identified, clear of obstruction and accessible only to trained personnel. Inspect periodically for damage or leaks. Storage temperature: 16 - 27 °C

EXPOSURE CONTROLS / PERSONAL PROTECTION

APPROPRIATE ENGINEERING CONTROL

Use product in well-ventilated areas. Do not spray the product. Local exhaust ventilation system is recommended to maintain concentrations of contaminants below exposure limits. Supply emergency safety/quick-drench shower, eyewash station and washing facilities available in work area and near handling area. Where such systems are not effective, wear suitable personal protection equipment which performs satisfactorily and meets recognized standards.

PERSONAL PROTECTIVE EQUIPMENT

Gloves: Neopren gloves or equivalent; Clothing: Shirts with long sleeves, long pants; Respiratory: Not required if working area is well ventilated. Use a NIOSH approved respirators if the exposure limits are unknown; Equipment: Safety glasses, chemical resistant. Special instructions for protection and hygiene: Wash hands/nails/face thoroughly after handling. Do not eat, drink or smoke when using this product. Practice good personal hygiene after using this material. Remove and wash contaminated work clothing before re-use. Educate and train employees in the safe use and handling of this product. Follow all label instructions.

PHYSICAL AND CHEMICAL PROPERTIES

Appearance. physical state/colour	Initial boiling point/range. Not available
Liquid Vapour pressure. Not available	Auto-ignition temperature. Not available
Odour. Faint odor	Flash point > 150oC
Vapour density. Not available	Decomposition temperature Not available
Odour threshold. Not available	Evaporation rate Not available
Relative density .Not available	Viscosity Not available
pH. Not available	Flammability (solids and gases) Not available
Solubility Reacts Melting/freezing point .Not available	VOC Not available
Partition coefficient - n-octanol/water. Not available	Upper and lower flammability/explosive limits Not available
	Other None known

STABILITY AND REACTIVITY

REACTIVITY

Stable under normal conditions.

CHEMICAL STABILITY

Yes, Stable under the recommended storage and handling conditions prescribed.

POSSIBILITY OF HAZARDOUS REACTIONS

Non under normal conditions of storage and use.

CONDITIONS TO AVOID (STATIC DISCHARGE, SHOCK OR VIBRATION)

Excess heat.

INCOMPATIBLE MATERIALS

Acid, amine, humidity,alcohol, metal,oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS

Cyanate and isocyanate,acid, cyanogen, nitrile, hydrogen cyanide, carbon mono and dioxide.

ECOLOGICAL INFORMATION

Acute and Prolonged Toxicity to Fish: CAS 28182-81-2: LC50: > 100 mg/L (Zebra fish (Brachydanio rerio) 96h)

Acute Toxicity to Aquatic Invertebrates: CAS 28182-81-2: EC50: > 100 mg/L (Water flea (Daphnia magna) 48 h)

Toxicity to Aquatic Plants: CAS 28182-81-2: EC50: > 1,000 mg/L, (Green algae (Scenedesmus subspicatus) 72 h)

Toxicity to Microorganisms: CAS 28182-81-2: EC50: > 1,000 mg/L, (Activated sludge microorganism, 3 h). Persistence and degradability CAS 28182-81-2: 0%, Exposure time: 28 Days, Not readily biodegradable.

Bioaccumulative potential No data available

Mobility in soil No data available

Other adverse effects No data available

TRANSPORTATION INFORMATION

Domestic/International Regulation

UN number; Proper shipping name; Class(es); Packing group (PG) of the TDG Regulations Not regulated

UN number; Proper shipping name; Class(es); Packing group (PG) of the IMDG (maritime) Not regulated

UN number; Proper shipping name; Class(es); Packing group (PG) of the IATA (air) Not regulated

Special precautions (transport/conveyance) None

Environmental hazards (IMDG or other) None

Bulk transport (usually more than 450 L in capacity) None

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