



GATOR ROCK BOND - LIQUID BINDER AGENT
KEEPS STONES IN PLACE
 TDS Revision Date (dd/mm/yyyy): 07/05/2013

MATERIAL SAFETY DATA SHEET (MSDS)

SECTION 1 - PRODUCT IDENTIFICATION AND USES

Product name :	GATOR ROCK BOND
Supplier :	Alliance Designer Products Inc. 225 Blvd Bellerose West Laval, Quebec Canada H7L 6A1 www.alliancegator.com
Common/Trade name :	Polyurethane Binder Aliphatic.
Synonyms :	SL-8076, SL-8176 SL-8886
Chemical name :	Not available.
Chemical formula :	Not available.
Chemical family :	Not applicable.
Material uses :	Not available.
CI# :	Not available.
DSL :	Not available.
CAS# :	Not applicable.
Code :	SL-8076, sL-8176, SL-8886
Molecular weight :	Not applicable.
Validation date :	16 may 2011.
Print date :	07 may 2013.
Responsible name :	Alliance Designer Products Inc.
Information Telephone # :	(450) 624-1611 or 866-212-1611 (Toll Free)
In case of emergency :	Chemtrec 1-800-424-9300 (Within Continental U.S.); Chemtrec 703-527-3887 (Outside U.S.).

SECTION 2 - COMPOSITION AND INFORMATION ON INGREDIENTS

NAME	CAS #	% BY WEIGHT	TLV/PEL	LC ₅₀ /LD ₅₀
Blend of aliphatic diisocyanate prepolymer	proprietary	60-100	Not available.	Not available
Dicyclohexylmethane-4,4'-diisocyanate	5124-30-1	5-10	TWA: 0.01 (ppm) TWA: 0.11 (mg/m ³)	ORAL (LD50) mg/ kg: Acute: 9900 (Rat).
Isophorone Diisocyanate (IPDI)	4098-71-9	1-5	TWA: 0.005 STEL: 0.02 (ppm) from OSHA/NIOSH SKIN TWA: 0.005 STEL: 0.02 (ppm) from ACGIH SKIN TWA: 0.045 (mg/m ³) from ACGIH SKIN	ORAL (LD50) mg/kg: Acute: 5490 (Rat). DERMAL (LD50) mg/kg: Acute: 1000 (Rat). VAPOR (LC50) ppm : Acute: 13.5 (Rat) (4 hour(s)).

SECTION 3 - HAZARDS IDENTIFICATION

Routes of Entry :	Inhalation. Skin contact (absorption). Eye contact. Ingestion. Eye contact :
Potential Acute Health Effects	
Eyes :	Liquid or spray mist may severely irritate eyes. Inflammation of the eye is characterized by redness, watering, and itching.

Alliance Designer Products Inc.

225 Blvd. Bellerose West, Laval, Quebec, Canada H7L 6A1 - Tel.: 450 624-1611 - Fax : 450 624-1622 - Toll free : 1 866-212-1611
 www.alliancegator.com - Email : info@alliancegator.com



GATOR ROCK BOND - LIQUID BINDER AGENT

KEEPS STONES IN PLACE

TDS Revision Date (dd/mm/yyyy): 07/05/2013

SECTION 3 - HAZARDS IDENTIFICATION (CONT.)

Skin :	This product may irritate skin upon contact. Harmful if absorbed through the skin. May cause skin sensitization. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.
Ingestion :	Harmful if swallowed. Irritation or chemical burns of the mouth, pharynx, esophagus and stomach can develop following ingestion of this product. Injury may be severe and cause death. Even small amounts of liquid aspirated into the lungs during ingestion or vomiting may cause pulmonary injury and possibly death.
Inhalation :	Harmful if inhaled (Irritant, sensitizer). Over-exposure by inhalation of the vapors/spray mist may produce severe irritation of respiratory tract, characterized by coughing, choking, or shortness of breath. May cause sensitization by inhalation. Massive exposure can cause unconsciousness and death.
Potential Chronic Health Effects	
Eyes :	Repeated or prolonged contact with spray mist may produce chronic eye irritation.
Skin :	Repeated skin exposure can produce local skin destruction, or dermatitis, possibly sensitization.
Ingestion :	May be fatal if swallowed.
Inhalation :	Repeated or prolonged inhalation of vapors/spray mist may lead to chronic respiratory irritation. May cause sensitization by inhalation.
Other chronic effects on Humans	Isocyanates are known to cause skin and respiratory sensitization in humans.

SECTION 4 - FIRST AID MEASURES

Eye Contact :	Check for and remove any contact lenses. IMMEDIATELY flush eyes with running water for at least 15 minutes, keeping eyelids open. DO NOT use an eye ointment. Seek medical attention.
Skin Contact :	Wash gently and thoroughly the contaminated skin with running water and non-abrasive soap. Rinse with plenty of running water (15-30 minutes). If irritation persists, seek medical attention.
Hazardous Skin Contact :	If the chemical gets onto the clothed portion of the body, remove the contaminated clothes as quickly as possible, protecting your own hands and body. Place the person under shower. Wash gently and thoroughly the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Rinse with plenty of running water (15-30 minutes). Seek medical attention. Wash contaminated clothing before reusing.
Inhalation :	Allow the person to rest in a well ventilated area. Loosen tight clothing around the person's neck and waist. If symptoms persist, seek medical advice immediately (show the label when possible).
Hazardous Inhalation :	Evacuate the person to a safe area as soon as possible. Loosen tight clothing around the person's neck and waist. If the person is not breathing, administer mouth-to-mouth resuscitation. Warning: It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation if the material is toxic, infectious or corrosive. Oxygen may be administered if breathing is difficult. Seek medical attention.
Ingestion :	DO NOT induce vomiting. Have conscious person drink several glasses of water or milk. Seek immediate medical attention.

Alliance Designer Products Inc.



GATOR ROCK BOND - LIQUID BINDER AGENT

KEEPS STONES IN PLACE

TDS Revision Date (dd/mm/yyyy): 07/05/2013

SECTION 4 - FIRST AID MEASURES (CONT.)

Hazardous Ingestion : DO NOT induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. Have conscious person drink several glasses of water or milk. Never give an unconscious person anything to ingest. Even small amounts of liquid aspirated into lungs during ingestion or from vomiting may cause mild to severe pulmonary injury and possibly death. If the person is not breathing, administer mouth-to-mouth resuscitation.

WARNING: It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled material is toxic, infectious or corrosive. Avoid mouth-to-mouth contact by using mouth guards or shields. If breathing is difficult, administer oxygen. Seek immediate medical attention.

SECTION 5 - FIRE AND EXPLOSION DATA

Flammability of the Product : Combustible.

Auto-Ignition Temperature : Not available.

Flash Points : The lowest known value is CLOSED CUP: 115°C (239°F) . (Pensky-Martens.).

Flammable Limits : **Not available.**

Products of Combustion : These products are carbon oxides (CO, CO₂), and other toxic compounds (nitrogen oxides, isocyanate vapors, and traces of hydrogen cyanide).

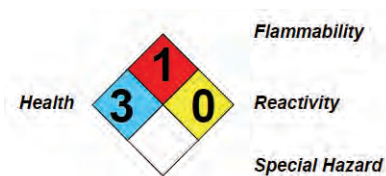
Fire Hazards in Presence of Various Substances : Combustible in presence of open flames.

Explosion Hazards in Presence of Various Substances : Risks of explosion of the product in presence of mechanical impact: Not available.
Risks of explosion of the product in presence of static discharge: No

Fire Fighting Media and Instructions : Use DRY chemical, CO₂, or foam. If water is used, it should be used in flooding quantities. The reaction between water and hot isocyanate may be vigorous. Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosion. Firefighters should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fumes. During a fire, Isocyanate vapours and other irritating, highly toxic gases may be generated by thermal decomposition or combustion.

Special Remarks on Fire Hazards : When heated to decomposition it emits highly toxic fumes.

Special Remarks on Explosion Hazards : Container explosion may occur under fire conditions or when heated (due to pressure build-up).



SECTION 6 - ACCIDENTAL RELEASE MEASURES

Small Spill : Absorb with an inert material and place in an appropriate waste disposal container. Treat with a neutralizing solution (5% ammonia water, or 5-10% sodium carbonate in water). Add about 10 parts of neutralizer per 1 part of isocyanate with mixing. Wear suitable protective clothing.

Large Spill : Poisonous combustible liquid, insoluble or very slightly soluble in water. Ventilate. Eliminate all sources of ignition. Wear suitable protective clothing, gloves and eye/face protection. A self contained breathing apparatus should be used to avoid inhalation of the product. Warn personnel to move away. Stop leak if without risk. DO NOT touch spilled material.

Alliance Designer Products Inc.



GATOR ROCK BOND - LIQUID BINDER AGENT

KEEPS STONES IN PLACE

TDS Revision Date (dd/mm/yyyy): 07/05/2013

SECTION 6 - ACCIDENTAL RELEASE MEASURES (CONT.)

Prevent entry into sewers, basements or confined areas; dike if needed. Cover with WET earth, sand or other non-combustible material, or with DRY absorbent wetted with a neutralizing solution (5% ammonia water, or 5-10% sodium carbonate in water). After 15 minutes transfer it to waste container, or put in open drums - fill the drums half way. Do not seal - evolution of CO₂ can cause pressure build-up. Keep drums (not sealed) outside, or in safe ventilated area for a few days. After clean-up monitor the vapors concentration. Use the neutralizing solution to decontaminate the surface and the tools. The spilled material, clean-up residues, and spent decontamination solution are hazardous wastes. Call for assistance on disposal.

SECTION 7 - HANDLING AND STORAGE

Precautions :

Manipulate in a well ventilated area. In case of insufficient ventilation, wear suitable respiratory equipment. Do not breathe gas/fumes/vapor/spray. Avoid contact with skin and eyes. Contact lenses should not be worn. Keep away from foodstuff, drinks and tobacco. Eating, drinking and smoking should be prohibited in area where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Ensure that eyewash station and safety shower is proximal to the work-station location. In case of accident or if you feel unwell, seek medical advice immediately (show the label when possible). Individuals with respiratory problems (asthma, chronic bronchitis), or allergic to isocyanates should avoid any contact with this product. ATTENTION: Isocyanate vapors cannot be smelled until concentrations are well above the safe exposure limit! Do not use jacket-type drum heaters, do not heat over 80 C(176 F).

Storage :

Keep away from heat. Keep away from sources of ignition. Keep container tightly closed and in a well-ventilated place. Contains moisture sensitive material; store in a dry place. Highly toxic or infectious materials should be stored in a separate locked safety storage cabinet or room. Provide an inert gas pad if stored in bulk. Keep away from incompatibles.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls :

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash station and safety shower is proximal to the work-station location. Do air monitoring if possible.

Personal Protection :

During mixing, handling and application: Splash goggles. Full protective clothing. Gloves (impervious). Suitable respiratory equipment. When air concentrations are not known or above the TLV, an air-supplied respirator is required. Refer to OSHA Respiratory Protection Standard (29 CFR 1910.134). ATTN: Air-purifying (cartridge type) respirators are not approved for protection against diisocyanates due to their low warning properties.

Personal Protection in Case of a Large Spill :

Splash goggles. Full suit. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Odor :	Slight.
Taste :	Not available.
Color :	Varies depending on the code.
Physical state and appearance :	Liquid.
Molecular Weight :	Not applicable.

Alliance Designer Products Inc.



GATOR ROCK BOND - LIQUID BINDER AGENT

KEEPS STONES IN PLACE

TDS Revision Date (dd/mm/yyyy): 07/05/2013

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES (CONT.)

pH (1% soln/water) :	Not applicable.
Boiling point :	The lowest known value is 158°C (316.4°F) (Isophorone Diisocyanate (IPDI)).
Melting point :	Not available.
Critical temperature :	Not available.
Melting point :	Not available.
Critical Temperature :	Not available.
Specific gravity :	1.00-1.05 (Water = 1)
Vapor pressure :	The highest known value is 1 mm of Hg (@ 20°C).
Vapor density :	Not available.
Volatility :	0% (v/v). 0% (w/w).
Odor threshold :	ATTENTION: Isocyanate vapors cannot be smelled until Concentrations are well above the safe exposure limit!
Evaporation rate :	Not available.
Viscosity :	Not available.
Water/oil dist. coeff. :	Not available.
Ionicity (in Water) :	Not available.
Dispersion properties:	Is not dispersed in water.
Solubility :	Insoluble in water.

SECTION 10 - STABILITY AND REACTIVITY DATA

Stability :	The product is stable.
Instability Temperature :	Not available.
Conditions of Instability :	No additional remarks.
Incompatibility with various substances :	Incompatible with water, strong oxidizing agents, amines, strong bases, strong acids, alcohols. Absorbs moisture from the air. Reacts slowly with water to liberate CO2 gas.
Corrosivity :	Slightly corrosive to copper alloys, aluminum.
Special Remarks on Reactivity :	No additional remarks.

SECTION 11 - TOXICOLOGICAL INFORMATION

Routes of entry :	Inhalation. Skin contact (absorption). Eye contact. Ingestion.
Toxicity for animals :	See: Section 2
Chronic effects on humans :	Isocyanates are known to cause skin and respiratory sensitization in humans.
Other Toxic Effects on Humans :	See: Section 3
Special Remarks on Toxicity to Animals :	The ingredients of this product are not classified as carcinogenic by ACGIH or IARC, not regulated as carcinogens by OSHA, and not listed as carcinogens by NTP.
Special Remarks on Chronic Effects on Humans :	Isocyanates are not known to cause cancer in humans. Sensitive individuals may develop eczema and/or asthma on inhalation of this material. Exposure may cause asthma, dermatitis and pulmonary oedema; effects may be delayed.
Special Remarks on other Toxic Effects on Humans :	An individual having a dermal or pulmonary sensitization reaction to this material should be removed from exposure to any isocyanate.

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity :	Not available.
BOD5 and COD :	Not available.
Products of Biodegradation :	Not available.

Alliance Designer Products Inc.



GATOR ROCK BOND - LIQUID BINDER AGENT
KEEPS STONES IN PLACE
TDS Revision Date (dd/mm/yyyy): 07/05/2013

SECTION 12 - ECOLOGICAL INFORMATION (CONT.)

Toxicity of the Products of Biodegradation : Not available.
Special Remarks on the Products of Biodegradation : No additional remarks.

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste Disposal : In accordance with municipal, state, and federal regulations. Consult your local or regional authorities. Empty decontaminated containers should be crushed to prevent re-use. Empty containers must be handled with care due to product residue. Do not heat or cut empty containers with electric or gas torch.

SECTION 14 - TRANSPORT INFORMATION

DOT Classification : Not a DOT controlled material in USA.
Not a TDG controlled material.(CANADA)

DOT Identification number : No PIN/UN number - Not controlled.

Special Provisions for Transport : No additional remarks.

DOT (Pictograms) :



SECTION 15 - OTHER REGULATORY INFORMATION AND PICTOGRAMS

Other Regulations : TSCA (Toxic Substance Control Act): All components of this product are either reported in EPA TSCA Inventory, or exempt. OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA): All components of this product are either on the Domestic Substances List (DSL), or exempt, and acceptable for use under the provisions of CEPA.

Other Classifications : WHMIS (Canada) WHMIS CLASS D-1: Material causing immediate and serious toxic effects.
WHMIS CLASS D-2A: Material causing other toxic effects (VERY TOXIC).

DSCL (EEC)

Hazardous Material Information System (U.S.A.) :

Health Hazard	3
Fire Hazard	1
Reactivity	0
Personal Protection	X

National Fire Protection Association (U.S.A.)



WHMIS (Canada) (Pictograms) :



Alliance Designer Products Inc.



GATOR ROCK BOND - LIQUID BINDER AGENT
KEEPS STONES IN PLACE
TDS Revision Date (dd/mm/yyyy): 07/05/2013

SECTION 15 - OTHER REGULATORY INFORMATION AND PICTOGRAMS (CONT.)

DSCL (Europe) (Pictograms) :

TDG (Canada) (Pictograms) :



ADR (Europe) (Pictograms) :

Protective Clothing (Pictograms) :



SECTION 16 - OTHER INFORMATION

References : Manufacturer's Material Safety Data Sheets.

Other Special Considerations : Individuals with respiratory problems (asthma, chronic bronchitis) should avoid any contact with this product. Medical supervision of all employees who come in contact with this product is recommended (pre-employment and periodic medical examination).

Validated by HS Reg. Depart.Reg.SS on : 05/05/2011.

Verified by HS Reg. Depart.Reg.SS. : 05/05/2011.

Printed : 07/5/2013.

EMERGENCY PHONE NUMBERS: **USA and Canada:** 1-800 424-9300
International: 1-703 527-3887

Notice to Reader : To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes 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.