



1. Product and company identification

Product name	: Gator Seal Resealer
Supplier	: Alliance Designer Products Inc. 225 Blvd. Bellerose West Laval, QC, Canada H7L 6A1 Phone.: 450 624-1611 Fax.: 450 624-1622 info@alliancegator.com
Synonym	: Acrylic resin, solution.
Trade name	: Not available.
Material uses	: Coatings: Sealants
Manufacturer	: Proprietary
Validation date	: 15 July 2010
Print date	: 12 May 2011
Responsible name	: Alliance Designer Products Inc.
<u>In case of emergency</u>	: Canada: 613-996-6666 (Canutec) United States: 800-424-9300 (Chemtrec)
Product type	: Liquid.

2. Hazards identification

Physical state	: Liquid.
Odor	: Not available.
Emergency overview	: DANGER! EXTREMELY FLAMMABLE LIQUID AND VAPOR. FLAMMABLE. VAPOR MAY CAUSE FLASH FIRE. HARMFUL IF ABSORBED THROUGH SKIN. CAUSES RESPIRATORY TRACT, EYE AND SKIN IRRITATION. HARMFUL OR FATAL IF SWALLOWED. CAN ENTER LUNGS AND CAUSE DAMAGE. CONTAINS MATERIAL THAT CAN CAUSE TARGET ORGAN DAMAGE. POSSIBLE BIRTH DEFECT HAZARD - MAY CAUSE BIRTH DEFECTS, BASED ON ANIMAL DATA. Extremely flammable liquid. Harmful in contact with skin and if swallowed. Irritating to eyes, respiratory system and skin. Aspiration hazard if swallowed. Can enter lungs and cause damage. Keep away from heat, sparks and flame. Avoid exposure - obtain special instructions before use. Do not breathe vapor or mist. Do not ingest. Do not get in eyes or on skin or clothing. Contains material that can cause target organ damage. May cause birth defects, based on animal data. Avoid exposure during pregnancy. Use only with adequate ventilation. Keep container tightly closed and sealed until ready for use. Wash thoroughly after handling.
Routes of entry	: Dermal contact. Eye contact. Inhalation. Ingestion.
<u>Potential acute health effects</u>	
Inhalation	: Irritating to respiratory system.
Ingestion	: Toxic if swallowed. Aspiration hazard if swallowed. Can enter lungs and cause damage.
Skin	: Toxic in contact with skin. Irritating to skin.
Eyes	: Irritating to eyes.
<u>Potential chronic health effects</u>	
Chronic effects	: Contains material that can cause target organ damage.
Teratogenicity	: May cause birth defects, based on animal data.



2. Hazards identification

Target organs : Contains material which causes damage to the following organs: blood, kidneys, lungs, liver, gastrointestinal tract, skin, central nervous system (CNS), eye, lens or cornea.
Contains material which may cause damage to the following organs: upper respiratory tract.

Over-exposure signs/symptoms

Inhalation : Adverse symptoms may include the following: -respiratory tract irritation -coughing
Ingestion : Adverse symptoms may include the following: -nausea or vomiting
Skin : Adverse symptoms may include the following: -irritation -redness
Eyes : Adverse symptoms may include the following: -pain or irritation -watering -redness
Medical conditions aggravated by over-exposure : Pre-existing disorders involving any target organs mentioned in this MSDS as being at risk may be aggravated by over-exposure to this product.

See toxicological information (section 11)

3. Composition/information on ingredients

<u>Name</u>	<u>CAS number</u>	<u>%</u>
xylene	1330-20-7	30 - 60
acetone	67-64-1	30 - 60

4. First aid measures

Eye contact : Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.

Skin contact : In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention immediately.

Inhalation : Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.

Ingestion : Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

Notes to physician : No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

5. Fire-fighting measures

Flash point : Closed cup: -18°C (-0.4°F).

Flammability of the product : Extremely flammable liquid. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Runoff to sewer may create fire or explosion hazard.



5 . Fire-fighting measures

Extinguishing media

- Suitable** : Use dry chemical, CO₂, water spray (fog) or foam.
- Not suitable** : Do not use water jet.
- Special exposure hazards** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
- Hazardous thermal decomposition products** : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
- Special remarks on fire hazards** : **acetone**: Highly flammable liquid. Vapor may travel a considerable distance to source of ignition and flash back.
xylene: Vapor may travel considerable distance to source of ignition and flash back.
- Special remarks on explosion hazards** : Not available.

6 . Accidental release measures

- Personal precautions** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see section 8).
- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
- Methods for cleaning up**
- Small spill** : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container. Use spark-proof tools and explosion-proof equipment. Dispose of via a licensed waste disposal contractor.
- Large spill** : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Use spark-proof tools and explosion-proof equipment. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see section 1 for emergency contact information and section 13 for waste disposal.



7. Handling and storage

- Handling** : Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Avoid exposure during pregnancy. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use non-sparking tools. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Empty containers retain product residue and can be hazardous. Do not reuse container.
- Storage** : Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

8. Exposure controls/personal protection

Product name

xylene

Exposure limits

CA Quebec Provincial (Canada, 6/2008).

TWAEV: 100 ppm 8 hour(s).

TWAEV: 434 mg/m³ 8 hour(s).

STEV: 150 ppm 15 minute(s).

STEV: 651 mg/m³ 15 minute(s).

acetone

CA Quebec Provincial (Canada, 6/2008).

TWAEV: 500 ppm 8 hour(s).

TWAEV: 1190 mg/m³ 8 hour(s).

STEV: 1000 ppm 15 minute(s).

STEV: 2380 mg/m³ 15 minute(s).

Consult local authorities for acceptable exposure limits.

- Recommended monitoring procedures** : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.
- Engineering measures** : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.
- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.



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8 . Exposure controls/personal protection

Personal protection

- Respiratory** : Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
- Hands** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
- Eyes** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts.
Recommended: splash goggles
- Skin** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Recommended: lab coat
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.
- Other protection** : In case of insufficient ventilation, wear suitable respiratory equipment. Be sure to use an approved/certified respirator or equivalent.

Personal protective equipment (Pictograms) :



9 . Physical and chemical properties

- Physical state** : Liquid.
- Flash point** : Closed cup: -18°C (-0.4°F).
- Auto-ignition temperature** : Lowest known value: 463.3 to 528.9°C (865.9 to 984°F) (xylene).
- Flammable limits** : Greatest known range: Lower: 2.6% Upper: 12.8% (acetone)
- Color** : Colorless.
- Odor** : Not available.
- Taste** : Not available.
- Molecular weight** : Not applicable.
- Molecular formula** : Not applicable.
- pH** : Neutral.
- Boiling/condensation point** : >54°C (129.2°F)
- Melting/freezing point** : May start to solidify at the following temperature: -26.15°C (-15.1°F) This is based on data for the following ingredient: xylene. Weighted average: -60.17°C (-76.3°F)
- Critical temperature** : Lowest known value: 234.9°C (454.8°F) (acetone).
- Relative density** : 0.8233 (Water = 1)
- Vapor pressure** : Highest known value: 24.8 kPa (186.2 mm Hg) (at 20°C) (acetone). Weighted average: 12.8 kPa (96.01 mm Hg) (at 20°C)



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9 . Physical and chemical properties

- Vapor density : Highest known value: 3.7 (Air = 1) (xylene). Weighted average: 2.85 (Air = 1)
- Volatility : Not available.
- Odor threshold : Not available.
- Evaporation rate : Highest known value: 6.06 (acetone) Weighted average: 3.41 compared with Butyl acetate.
- VOC : Not available.
- Viscosity : Not available.
- Ionicity (in water) : Not available.
- Dispersibility properties : See solubility in the following materials: water.
- Solubility : Partially soluble in the following materials: cold water, hot water.
- Physical/chemical properties comments : Not available.

10 . Stability and reactivity

- Stability : The product is stable.
- Hazardous polymerization : Under normal conditions of storage and use, hazardous polymerization will not occur.
- Conditions to avoid : Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Avoid exposure during pregnancy. Do not swallow.
- Materials to avoid : Highly reactive or incompatible with the following materials:
oxidizing materials
- Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.
- Conditions of reactivity : Extremely flammable in the presence of the following materials or conditions: open flames, sparks and static discharge.
Highly flammable in the presence of the following materials or conditions: heat and combustible materials.
Flammable in the presence of the following materials or conditions: oxidizing materials and reducing materials.
Non-flammable in the presence of the following materials or conditions: moisture.
Not available.

11 . Toxicological information

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
xylene	LD50 Dermal	Rabbit	>1700 mg/kg	-
	LD50 Oral	Mammal	4300 mg/kg	-
	LD50 Oral	Rat	4300 mg/kg	-
	LD50 Oral	Mouse	2119 mg/kg	-
	LDLo Oral	Human	50 mg/kg	-
	LC50 Inhalation Vapor	Rat	6700 ppm	4 hours
	LC50 Inhalation Gas.	Rat	5000 ppm	4 hours
acetone	LD50 Dermal	Rabbit	20000 mg/kg	-
	LD50 Oral	Rabbit	5340 mg/kg	-
	LD50 Oral	Rat	5800 mg/kg	-
	LC50 Inhalation Vapor	Rat	50100 mg/m3	8 hours
	LC50 Inhalation Vapor	Rat	16000 ppm	4 hours

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11 . Toxicological information

Conclusion/Summary : Irritating to eyes and skin.

Chronic toxicity

Conclusion/Summary : xylene: Narcotic effect. May cause nervous system disturbances.

Sensitizer

Skin : Not applicable

Carcinogenicity

OSHA

Product/ingredient name	ACGIH	IARC	EPA	NIOSH	NTP	OSHA
xylene	A4	3	-	None.	-	-
acetone	A4	-	-	-	-	-

Teratogenicity

Conclusion/Summary : xylene: Animal: embryotoxic, passes through the placental barrier.

Synergistic products : Not available.

12 . Ecological information

Environmental effects : No known significant effects or critical hazards.

Aquatic ecotoxicity

Product/ingredient name	Test	Result	Species	Exposure
xylene	-	Acute LC50 13.4 mg/L	Fish	96 hours
	-	Acute LC50 13.3 mg/L	Fish	96 hours
	-	Acute LC50 12 mg/L	Fish	96 hours
	-	Acute LC50 8.6 mg/L	Fish	96 hours
	-	Acute LC50 8.2 mg/L	Fish	96 hours
	-	Acute LC50 3.3 mg/L	Fish	96 hours
acetone	-	Acute EC50 13500 mg/L	Daphnia	48 hours
	-	Acute EC50 8990 mg/L	Fish	48 hours
	-	Acute EC50 23.5 mg/L	Daphnia	48 hours
	-	Acute LC50 5540 mg/L	Fish	96 hours
	-	Acute LC50 >100 mg/L	Daphnia	96 hours
	-	Acute LC50 >100 mg/L	Fish	96 hours

Other adverse effects : No known significant effects or critical hazards.

13 . Disposal considerations

Waste disposal : The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Waste stream : Not available.

RCRA classification : Not available.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.







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14 . Transport information

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label	Additional information
DOT Classification	1139	Coating solution	3	II		-
TDG Classification	1139	COATING SOLUTION	3	II		-
IMDG Class	1139	Coating solution	3	II		-
IATA-DGR Class	1139	Coating solution	3	II		-

PG* : Packing group

15 . Regulatory information

WHMIS (Canada) : Class B-2: Flammable liquid
Class D-2A: Material causing other toxic effects (Very toxic).
Class D-2B: Material causing other toxic effects (Toxic).

WHMIS (Pictograms) :



Canadian lists : **Alberta Designated Substances:** None of the components are listed.
Canadian ARET: None of the components are listed.
CEPA Toxic substances: The following components are listed: Acetone
Canadian NPRI: The following components are listed: acetone;Xylene
Ontario Designated Substances: None of the components are listed.
Quebec Designated Substances: None of the components are listed.

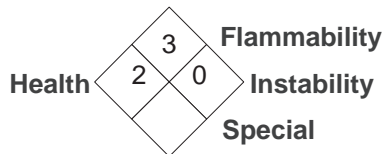
Canada DSL : **Canada inventory:** All components are listed or exempted.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.



16 . Other information

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



References : - Manufacturer's Material Safety Data Sheet. - Hawley, G.G.; The Condensed Chemical Dictionary - Provisional Domestic Substances List, Canadian Environmental Protection Act - "Regulations respecting the handling, offering for transport and transporting of dangerous goods. -List of pure teratogenic, mutagenic, and cancerogenic products. Toxicological index of the Occupational Health and Safety Commission of Quebec.

Other special considerations : All the ingredients are on the TSCA list.

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☑ Indicates information that has changed from previously issued version.

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