



GATOR CLEAN GATORENE
FOR CONCRETE PAVERS & NATURAL STONES
MSDS Revision Date (dd/mm/yyyy): 15/04/2014



MATERIAL SAFETY DATA SHEET (MSDS)

SECTION 1 - PRODUCT & COMPANY IDENTIFICATION

Product name :	Gatorene
Supplier :	Alliance Designer Products Inc. 225 Blvd Bellerose West Laval, Quebec Canada H7L 6A1 www.alliancegator.com
Synonym :	xylene, mixture of isomers included substance ethylbenzene CAS 100-41-4
Trade name :	Not available
Material uses :	Coatings: Manufacture of surface coatings. Industrial applications: Solvent for organic products. Textile industry: Textile cleaning. Washing operations.
Manufacturer :	Proprietary
Code :	10469-1
Validation date :	26 March 2014
Print date :	15 April 2014
Responsible name :	Alliance Designer Products Inc.
Information Telephone # :	(450) 624-1611 or 866-212-1611 (Toll Free)
In case of emergency :	Canada: 613-996-6666 (Canutec) United States: 800-424-9300 (Chemtrec)
Product type :	Liquid.

SECTION 2 - HAZARDS IDENTIFICATION

Physical state :	Liquid.
Odor :	Benzene-like. Aromatic. Characteristic. [Strong]
Emergency Overview :	WARNING! FLAMMABLE LIQUID AND VAPOR. CAUSES EYE IRRITATION. MAY BE HARMFUL IF ABSORBED THROUGH SKIN OR IF SWALLOWED. MAY CAUSE RESPIRATORY TRACT AND SKIN IRRITATION. MAY CAUSE TARGET ORGAN DAMAGE, BASED ON ANIMAL DATA. Flammable liquid. May be harmful if absorbed through skin or if swallowed. Moderately irritating to the eyes, skin and respiratory system. Keep away from heat, sparks and flame. Do not ingest. Do not get in eyes. Avoid breathing vapor or mist. Avoid contact with skin and clothing. May cause target organ damage, based on animal data. 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 :	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: -irritation -watering -redness
<u>Potential chronic health effects</u>	
Carcinogenicity :	May cause target organ damage, based on animal data.
Teratogenicity :	May cause birth defects, based on animal data.
Target organs :	May cause damage to the following organs: blood, kidneys, liver, gastrointestinal tract, skin, eyes, central nervous system (CNS).



GATOR CLEAN GATORENE
FOR CONCRETE PAVERS & NATURAL STONES
MSDS Revision Date (dd/mm/yyyy): 15/04/2014



SECTION 2 - HAZARDS IDENTIFICATION (CONT.)

Over-exposure signs/symptoms

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)

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS #	Wt.%
xylene	1330-20-7	60 - 100

SECTION 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.

SECTION 5 - FIRE FIGHTING MEASURES

Flash point :	Closed cup: 26.85 to 31.85°C (80.3 to 89.3°F). Open cup: 37.8°C (100°F) (Cleveland).
Flammability of the product :	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. The vapor/gas is heavier than air and will spread along the ground. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Runoff to sewer may create fire or explosion hazard.
Extinguishing media :	
Suitable :	Use dry chemical, CO ₂ , 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

Alliance Designer Products Inc.



GATOR CLEAN GATORENE
FOR CONCRETE PAVERS & NATURAL STONES
MSDS Revision Date (dd/mm/yyyy): 15/04/2014



containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

SECTION 5 - FIRE FIGHTING MEASURES (CONT.)

Hazardous thermal decomposition products :

Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
nitrogen oxides

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 :

Vapor may travel considerable distance to source of ignition and flash back.

Special remarks on explosion hazards :

Not available.

SECTION 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.

SECTION 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. Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. 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



GATOR CLEAN GATORENE
FOR CONCRETE PAVERS & NATURAL STONES
MSDS Revision Date (dd/mm/yyyy): 15/04/2014



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.

SECTION 7 - HANDLING AND STORAGE (CONT.)

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.

SECTION 8 - EXPOSURE CONTROLS AND 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).

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. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

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.

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.

Personal protective equipment (Pictograms) :



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 CLEAN GATORENE
FOR CONCRETE PAVERS & NATURAL STONES
MSDS Revision Date (dd/mm/yyyy): 15/04/2014



SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical state :	Liquid.
Flash point :	Closed cup: 26.85 to 31.85°C (80.3 to 89.3°F). Open cup: 37.8°C (100°F) (Cleveland).
Auto-ignition temperature :	463.3 to 528.9°C (865.9 to 984°F)
Flammable limits :	Lower: 1.1% Upper: 6.6%
Color :	Colorless.
Odor :	Benzene-like. Aromatic. Characteristic. [Strong]
Taste :	Not available.
Molecular weight :	106.18 g/mole
Molecular formula :	C8-H10
pH :	Not applicable.
Boiling/condensation point :	138.8°C (281.8°F)
Melting/freezing point :	-26.2°C (-15.2°F)
Critical temperature :	Not available.
Relative density :	0.861 (Water = 1)
Vapor pressure :	0.8 kPa (6 mm Hg) (at 20°C)
Vapor density :	3.7 (Air = 1)
Volatility :	Not available.
Odor threshold :	Not available.
Evaporation rate :	0.77 compared with Butyl acetate.
VOC :	Not available.
Viscosity :	Not available.
Ionicity (in water) :	Not available.
Dispersibility properties :	See solubility in the following materials: water, methanol, diethyl ether.
Solubility :	Easily soluble in the following materials: methanol, diethyl ether. Insoluble in the following materials: cold water, hot water, n-octanol.
Physical/chemical properties comments :	Not available.

SECTION 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. Do not allow vapor to accumulate in low or confined areas. Avoid exposure during pregnancy. Do not swallow.
Materials to avoid :	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 :	Highly flammable in the presence of the following materials or conditions: open flames, sparks and static discharge, heat and oxidizing materials. Flammable in the presence of the following materials or conditions: reducing materials and combustible materials. Not available.

SECTION 11 - TOXICOLOGICAL INFORMATION

Carcinogenicity

OSHA

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

Teratogenicity

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

Synergistic products : Not available.

Alliance Designer Products Inc.



GATOR CLEAN GATORENE
FOR CONCRETE PAVERS & NATURAL STONES
 MSDS Revision Date (dd/mm/yyyy): 15/04/2014

SECTION 12 - ECOLOGICAL INFORMATION

Environmental effects : No known significant effects or critical hazards.

Aquatic ecotoxicity

Product/ingredient name	Test	Result	Species	Exposure
xylene	-	Acute LC50 13400 ug/L	Fish-Fathead minnow	96 hours
	-	Fresh water	Pimephales promelas	
	-	Acute LC50 8500 ug/L	Crustaceans -	48 hours
	-		Daggerblade grass	
	-		shrimp - Palaemonetes	
	-		pugio	
	-	Acute LC50 8200 to	Fish - Rainbow	96 hours
	-	10032 ug/L Fresh water	trout,donaldson trout -	
			Oncorhynchus mykiss	

Toxicity of the products of biodegradation The products of degradation are less toxic than the product itself.

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

SECTION 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 byproducts 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.

SECTION 14 - TRANSPORT INFORMATION

Regulatory Number	UN Number	Proper Shipping Name	Class	Packing Group	Label	Additional information
DOT Classification	UN1307	XYLENES	3	III		-
TDG Classification	UN1307	XYLENES	3	III		-
IMDG Class	UN1307	XYLENES	3	III		-
IATA-DGR Class	UN1307	XYLENES	3	III		-

PG* : PACKING GROUP



GATOR CLEAN GATORENE
FOR CONCRETE PAVERS & NATURAL STONES
MSDS Revision Date (dd/mm/yyyy): 15/04/2014



SECTION 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) :



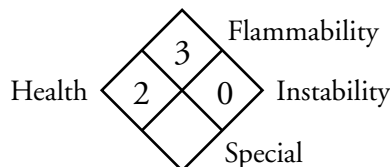
Canadian lists :

Canada DSL : Canada inventory: This material is 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.

SECTION 16 - OTHER INFORMATION

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



References : - Material Safety Data Sheet issued by: la Commission de la Santé et de la Sécurité du Travail du Québec. -List of pure teratogenic, mutagenic, and cancerogenic products. Toxicological index of the Occupational Health and Safety Commission of Quebec.

Other special considerations : Not available.
Date of printing : April 15 2014
Date of issue : February 21 2014

Indicates information that has changed from previously issued version.

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.