



**GATOR CLEAN SHAMPOO
FOR CONCRETE PAVER, WETCAST & NATURAL STONES**

SDS Revision Date (dd/mm/yyyy): 07/08/2015

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SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION

Product name : Gator Clean Shampoo
Product code : N/A
Other means of identification : Cleaner.

Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Cleaning solutions.
Supplier : Alliance Designer Products Inc.
225 Blvd Bellerose West
Laval, Quebec
Canada
H7L 6A1
www.alliancegator.com

24 hour Emergency Phone : Canada : 1-613-996-6666 (Canutec)
United States : 1-800-424-9300 (Chemtrec)

SECTION 2 - HAZARDS IDENTIFICATION

OSHA/HCS status : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture : ACUTE TOXICITY (oral) - Category 4
SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2B

GHS label elements : Hazard pictograms



Signal word : Warning
Hazard statements : Harmful if swallowed.
Causes eye irritation.

Precautionary statements

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Substance/mixture: Mixture

Ingredient name	%	CAS number
citric acid	≥3 - <5	77-92-9
sulphamic acid	≥1 - <3	5329-14-6

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.



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SECTION 4 - FIRST AID MEASURES

Occupational exposure limits, if available, are listed in Section 8.

DESCRIPTION OF NECESSARY FIRST AID MEASURES

Eye contact :	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. If irritation persists, get medical attention.
Inhalation :	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Skin contact :	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Ingestion :	Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. If necessary, call a poison center or physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED

POTENTIAL ACUTE HEALTH EFFECTS

Eye contact :	Causes serious eye irritation.
Inhalation :	No known significant effects or critical hazards
Skin contact :	No known significant effects or critical hazards
Ingestion :	Harmful if swallowed.

OVER-EXPOSURE SIGNS/SYMPTOMS

Eye contact:	Adverse symptoms may include the following: irritation watering redness
Inhalation:	No specific data.
Skin contact:	No specific data.
Ingestion:	No specific data.



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SECTION 4 - FIRST AID MEASURES (CONT.)

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED, IF NECESSARY

Notes to physician :	In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Specific treatments :	No specific treatment.
Protection of first-aiders :	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

SEE TOXICOLOGICAL INFORMATION (SECTION 11)

SECTION 5 - FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA

Suitable extinguishing media :	Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media :	None known.

Specific hazards arising from the chemical :	In a fire or if heated, a pressure increase will occur and the container may burst.
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Hazardous thermal decomposition products :	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides sulfur oxides
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Special protective actions for fire-fighters :	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.
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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.
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Special remarks on fire hazards :	No additional information.
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SECTION 6 - ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

For non-emergency personnel :	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. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
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For emergency responders :	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For nonemergency personnel".
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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).
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SECTION 6 - ACCIDENTAL RELEASE MEASURES (CONT.)

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

Small spill :

Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Absorb spillage to prevent material damage. Dispose of via a licensed waste disposal contractor.

Large spill :

Stop leak if without risk. Move containers from spill area. Absorb spillage to prevent material damage. 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). 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

PRECAUTIONS FOR SAFE HANDLING

Protective measures :

Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Advice on general occupational hygiene :

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. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities :

Store in accordance with local regulations. 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. Store in corrosive resistant container with a resistant inner liner. Store locked up. 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

CONTROL PARAMETERS

Occupational exposure limits

Ingredient name

None.

Exposure limits

Appropriate engineering controls : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.



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SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION (CONT.)

**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.

INDIVIDUAL PROTECTION MEASURES

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.

Eye/face protection :

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. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

SKIN PROTECTION

Hand protection :

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. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Body protection :

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.

Other skin protection :

Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection :

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.



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SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE

Physical state :	Liquid.
Colour :	Clear. Green.
Odour :	Not available.
pH :	2 to 4
Melting point :	0°C (32°F)
Boiling point :	100°C (212°F)
Flash point :	[Product does not sustain combustion.]
Evaporation rate :	Not available.
Vapor pressure :	Not available.
Vapor density :	Not available.
Relative density :	1.035
Solubility in water :	Not available.
Viscosity :	Not available.
VOC :	Not available.

SECTION 10 - STABILITY AND REACTIVITY

Reactivity :	No specific test data related to reactivity available for this product or its ingredients.
Chemical stability :	The product is stable.
Possibility of hazardous reactions :	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid :	No specific data.
Incompatible materials:	No specific data.
Hazardous decomposition products :	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11 - TOXICOLOGICAL INFORMATION

INFORMATION ON TOXICOLOGICAL EFFECTS

ACUTE TOXICITY

Product/ingredient name	Result	Species	Dose	Exposure
citric acid	LD50 Oral	Rat	3 g/kg	-
sulphamic acid	LD50 Oral	Guinea pig	1050 mg/kg	-
	LD50 Oral	Mouse	1312 mg/kg	-
	LD50 Oral	Rat	3160 mg/kg	-
	LD50 Oral	Rat	3160 mg/kg	-

IRRITATION/CORROSION

Product/ingredient name	Result	Species	Score	Exposure
citric acid	Eyes - Severe irritant	Rabbit	-	24 hours 750 Micrograms
	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams
	Skin - Moderate irritant	Rabbit	-	0.5 Milliliters

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SECTION 11 - TOXICOLOGICAL INFORMATION (CONT.)

sulphamic acid	Eyes - Moderate irritant	Rabbit	-	20 milligrams
	Eyes - Severe irritant	Rabbit	-	24 hours 250 Micrograms
	Skin - Mild irritant	Human	-	120 hours 4 Percent
	Skin - Severe irritant	Rabbit	-	Intermittent 24 hours 500 milligrams

SENSITIZATION**Mutagenicity**

Product/ingredient name	Experiment	Result
Not available.		

CARCINOGENICITY

Product/ingredient name	Result	Species	Dose	Exposure
Not available.				

REPRODUCTIVE TOXICITY

Product/ingredient name	Maternal toxicity	Fertility	Development toxin	Species	Dose	Exposure
Not available.						

TERATOGENICITY

Not available.

SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)

Not available.

SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE)

Name	Category	Route of exposure	Target organs
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Not available.

ASPIRATION HAZARD

Name	Result
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Not available.

POTENTIAL ACUTE HEALTH EFFECTS

Eye contact	:	Causes eye irritation.
Inhalation	:	No known significant effects or critical hazards.
Skin contact	:	No known significant effects or critical hazards.
Ingestion	:	Harmful if swallowed.

SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS

Eye contact	:	Adverse symptoms may include the following:
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SECTION 11 - TOXICOLOGICAL INFORMATION (CONT.)

irritation

watering

redness

Inhalation	:	No specific data.
Skin contact	:	No specific data.
Ingestion	:	No specific data.

DELAYED AND IMMEDIATE EFFECTS AND ALSO CHRONIC EFFECTS FROM SHORT AND LONG TERM EXPOSURE

SHORT TERM EXPOSURE

Potential immediate effects	:	Not available.
Potential delayed effects	:	Not available.

LONG TERM EXPOSURE

Potential immediate effects	:	Not available.
Potential delayed effects	:	Not available.

POTENTIAL CHRONIC HEALTH EFFECTS

General	:	No known significant effects or critical hazards.
Carcinogenicity	:	No known significant effects or critical hazards.
Mutagenicity	:	No known significant effects or critical hazards.
Teratogenicity	:	No known significant effects or critical hazards.
Developmental effects	:	No known significant effects or critical hazards.
Fertility effects	:	No known significant effects or critical hazards.

NUMERICAL MEASURES OF TOXICITY

ACUTE TOXICITY ESTIMATES

Not available.

SECTION 12 - ECOLOGICAL INFORMATION

TOXICITY

Product/ingredientname	Result	Species	Exposure
citric acid	Acute LC50 160000 µg/l Marine water	Crustaceans - Carcinus maenas - Adult	48 hours
sulphamic acid	Acute LC50 14200 µg/l Fresh water	Fish - Pimephales promelas	96 hours

PERSISTENCE AND DEGRADABILITY

Not available.

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SECTION 12 - ECOLOGICAL INFORMATION (CONT.)**BIOACCUMULATIVE POTENTIAL**

Product/ingredient name	Log _{Pow}	BCF	Potential
citric acid	-1.8	-	low
sulphamic acid	0.101	-	low

MOBILITY IN SOIL

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

SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal methods : The generation of waste should be avoided or minimized wherever possible. 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. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14 - TRANSPORT INFORMATION

	DOT Classification	TDG Classification	IMDG	IATA
UN number	Not regulated.	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-	-
Transport hazard class (es)	-	-	-	-
Packing group	-	-	-	-
Environmental hazards	No.	No.	No.	No.
Additional information	-	-	-	-

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SECTION 14 - TRANSPORT INFORMATION (CONT.)

Special precautions for user : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code : Not available.

SECTION 15 - REGULATORY INFORMATION**CALIFORNIA PROP. 65**

Not available.

Product/ingredient name	Cancer	Reproductive	No significant risk level	Maximum acceptable dosage level
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U.S. Federal regulations :

United States inventory (TSCA 8b) : All components are listed or exempted.
Clean Water Act (CWA) 307: C.I. Pigment Green 7

Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs)	:	Not listed
Clean Air Act Section 602 Class I Substances	:	
Clean Air Act Section 602 Class II Substances	:	Not listed
DEA List I Chemicals (Precursor Chemicals)	:	Not listed
DEA List II Chemicals (Essential Chemicals)	:	Not listed

SARA 302/304**COMPOSITION/INFORMATION ON INGREDIENTS**

Not available.

SARA 304 RQ : Not applicable.

SARA 311/312

Classification : Immediate (acute) health hazard

COMPOSITION/INFORMATION ON INGREDIENTS

Name	%	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
citric acid	≥3 - <5	No.	No.	No.	Yes.	No.
sulphamic acid	≥1 - <3	No.	No.	No.	Yes.	No.

STATE REGULATIONS

Massachusetts : None of the components are listed.

New York : None of the components are listed.

**Alliance Designer Products Inc.**

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SECTION 15 - REGULATORY INFORMATION (CONT.)

New Jersey : The following components are listed: SULPHAMIC ACID; SULFAMIC ACID
Pennsylvania : None of the components are listed.

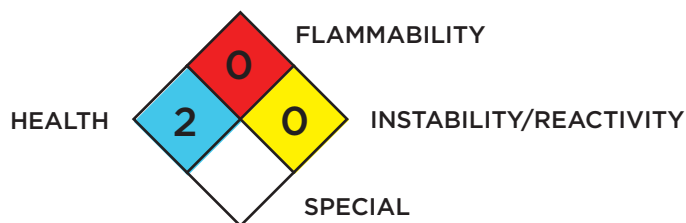
INTERNATIONAL LISTS**NATIONAL INVENTORY**

Australia : All components are listed or exempted.
Canada : At least one component is not listed in DSL but all such components are listed in NDSL.
Europe : All components are listed or exempted.

SECTION 16 - OTHER INFORMATION**HAZARDOUS MATERIAL INFORMATION SYSTEM (U.S.A.)**

HEALTH	2
FLAMMABILITY	0
PHYSICAL HAZARDS	0

The customer is responsible for determining the PPE code for this material.

NATIONAL FIRE PROTECTION ASSOCIATION (U.S.A.)**HISTORY**

Date of issue/Date of revision : 07/08/2015.
Date of previous issue version : 20/07/2015.
Version : 1
References : - Hawley, G.G.; The Condensed Chemical Dictionary, 11th edition. New York N.Y., Van Nostrand Reinold, 1987. - Manufacturer's Material Safety Data Sheet. - Material Safety Data Sheet issued by: la Commission de la Santé et de la Sécurité du Travail du Québec. - Provisional Domestic Substances List, Canadian Environmental Protection Act, Volume 1-Registry Number Index, April 1990, Environment Canada.



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SECTION 16 -OTHER INFORMATION (CONT.)

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.