



GATOR SHAMPOO
FOR CONCRETE PAVERS & NATURAL STONES
MSDS Revision Date (dd/mm/yyyy): 04/04/2012

MATERIAL SAFETY DATA SHEET (MSDS)

SECTION 1 - PRODUCT & COMPANY IDENTIFICATION

Product name : GATOR CLEAN SHAMPOO
Supplier : Alliance Designer Products Inc.
225 Blvd Bellerose West
Laval, Quebec
Canada
H7L 6A1
www.alliancegator.com
Trade name : Gator Clean Shampoo
Material uses : Industrial applications: Cleaning solutions.v
Manufacturer : Proprietary
Code :
Validation date : 31 january 2012
Print date : 10 april 2012
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 - HAZARDS IDENTIFICATION

Physical state : Liquid.
Odor : Not available.
Emergency Overview : WARNING!
CAUSES EYE AND SKIN IRRITATION. MAY BE HARMFUL IF SWALLOWED. MAY CAUSE RESPIRATORY TRACT IRRITATION. CONTAINS MATERIAL THAT CAN CAUSE TARGET ORGAN DAMAGE.
May be harmful if swallowed. Severely irritating to eyes. Irritating to skin. Slightly irritating to the respiratory system. Avoid exposure - obtain special instructions before use. Do not breathe vapor or mist. Do not ingest. Do not get in eyes. Avoid contact with skin and clothing. Contains material that can cause target organ damage. 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.

Potential acute health effects

Signs and symptoms of short-term (acute) exposure

Inhalation : Slightly irritating to the respiratory system.
Ingestion : Harmful if swallowed.
Skin : Irritating to skin.
Eyes : Severely irritating to eyes. Risk of serious damage to eyes.

Potential chronic health effects

Chronic effects : Contains material that can cause target organ damage.
Target organs : Contains material which causes damage to the following organs: lungs.
Contains material which may cause damage to the following organs: skin, eyes, teeth.

Over-exposure signs/symptoms

Inhalation : Adverse symptoms may include the following: -respiratory tract irritation -coughing
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 overexposure : 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)

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SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS #	Wt.%
Citric acid	77-92-9	1.00 - 5.00
Sulphamic acid	5329-14-6	1.00 - 5.00

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 :	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.

SECTION 5 - FIRE FIGHTING MEASURES

Flash point :	Not applicable.
Flammability of the product :	In a fire or if heated, a pressure increase will occur and the container may burst.
Extinguishing media	
Suitable :	Use an extinguishing agent suitable for the surrounding fire.
Not suitable :	None known.
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.
Hazardous thermal decomposition products :	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides sulfur 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 :	No additional information.
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. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see section 8).
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SECTION 6 - ACCIDENTAL RELEASE MEASURES (CONT.)

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. 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). 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. 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. 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.
Storage :	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. 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	Exposure Limits
No exposure limit value known.	
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.

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

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 : Personal protective equipment (Pictograms) :	Not available. 

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical state :	Liquid.
Flash point :	Not applicable.
Auto-ignition temperature :	Not applicable.
Flammable limits :	Not applicable.
Color :	Clear. Green.
Odor :	Not available.
Taste :	Not available.
Molecular weight :	Not applicable.
Molecular formula :	Not applicable.
pH :	2 to 4 [Acidic.]
Boiling/condensation point :	100°C (212°F)
Melting/freezing point :	0°C (32°F)
Critical temperature :	Not available.
Relative density :	Not available.
Vapor pressure :	Not available.
Vapor density :	Not available.
Volatility :	Not available.
Odor threshold :	Not available.
Evaporation rate :	Not available.
VOC :	Not available.
Viscosity :	Not available.
Ionicity (in water) :	Anionic.
Dispersibility properties :	Partially dispersible in the following materials: n-octanol. See solubility in the following materials: water, methanol, diethyl ether, acetone.
Solubility :	Easily soluble in the following materials: cold water, hot water, methanol, acetone. Soluble in the following materials: diethyl ether.
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 :	No specific data.

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SECTION 10: STABILITY AND REACTIVITY (CONT.)

Materials to avoid : No specific data.
Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Conditions of reactivity : Non-flammable.
 Not available.

SECTION 11 - TOXICOLOGICAL INFORMATION

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
citric acid	LD50 Oral	Mouse	5040 mg/kg	-
	LD50 Oral	Rat	3 g/kg	-
sulphamidic acid	LD50 Oral	Mouse	1312 mg/kg	-
	LD50 Oral	Guinea pig	1050 mg/kg	-
	LD50 Ora	Rat	3160 mg/kg	-

Carcinogenicity

Product/ingredient name	ACGIH	IARC	EPA	NIOSH	NTP	OSHA
citric acid	A5	-	-	None.	-	-

SECTION 12 - ECOLOGICAL INFORMATION

Environmental effects : No known significant effects or critical hazards.

Acute toxicity

Product/ingredient name	Test	Result	Species	Exposure
Sulphamidic acid	-	Acute LC50 70.3 mg/L	Fish	96 hours
	-	Acute LC50 14.2 mg/L	Fish	96 hours

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.



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SECTION 14: TRANSPORT INFORMATION

Regulatory Information	UN Number	Proper Shipping Name	Classes	Packing Group	Label	Additional Information
DOT Classification	Not Regulated	-	-	-	-	-
TDG Classification	Not Regulated	-	-	-	-	-
IMDG Class	Not Regulated	-	-	-	-	-
IATA-DGR Class	Not Regulated	-	-	-	-	-

SECTION 15 - REGULATORY INFORMATION

WHMIS (Canada) : Class D-2B: Material causing other toxic effects (Toxic).
WHMIS (Pictograms) :

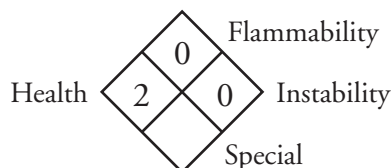


Canadian lists :
Alberta Designated Substances: None of the components are listed.
Canadian ARET: None of the components are listed.
CEPA Toxic substances: None of the components are listed.
Canadian NPRI: None of the components are listed.
Ontario Designated Substances: None of the components are listed.
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.

SECTION 16 - OTHER INFORMATION

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



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.

Other special considerations : Not available.
 Date of printing : 10 april 2012
 Date of issue : 31 january 2012

Indicates information that has changed from previously issued version.

Notice to reader

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