

09



GATOR RUST REMOVER FOR CONCRETE PAVERS, WETCAST & NATURAL STONES

SDS Revision Date (dd/mm/yyyy): 07/01/2019

# SAFETY DATA SHEET

#### **SECTION 1 - IDENTIFICATION**

Product name :	GATOR RUST REMOVER
Product code :	-
Product type :	Liquid
Supplier's details :	Alliance Designer Products
	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
Emergency Telephone number :	Canada : 1-613-996-6666 (Canutec)
(24/7)	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 :

Hazard statements :

**Precautionary statements** 

General :

Prevention :

Response :



ACUTE TOXICITY (oral) - Category 4 SKIN CORROSION - Category 1 SERIOUS EYE DAMAGE - Category 1

H302 - Harmful if swallowed. H314 - Causes severe skin burns and eye damage.

Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.

Wear protective gloves. Wear eye or face protection. Wear protective clothing. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or physician. IF SWALLOWED: Immediately call a POISON CENTER or physician. Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse. Immediately call a POISON CENTER or physician. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or physician.

### Alliance Designer Products Inc.



Page 2 of 12

FOR CONCRETE PAVERS, WETCAST & NATURAL STONES SDS Revision Date (dd/mm/yyyy): 07/01/2019

#### **SECTION 2 - HAZARDS IDENTIFICATION (CONT.)**

Storage : Store locked up.

**Disposal**:

Dispose of contents and container in accordance with all local, regional, national and international regulations.

#### **SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS**

Substance/mixture: Mixture		
Ingredient name	%	CAS number
Phosphoric acid	13 - 30	7664-38-2
dodecyldimethylamine oxide	0 - 1.5	1643-20-5

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.

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

#### **SECTION 4 - FIRST AID MEASURES**

#### DESCRIPTION OF NECESSARY FIRST AID MEASURES

Eye contact :	Get medical attention immediately. Call a poison center or physician. 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. Chemical burns must be treated promptly by a physician.
Inhalation :	Get medical attention immediately. Call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. 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. 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 :Get medical attention immediately. Call a poison center or physician. Wash<br/>contaminated skin with soap and water. Remove contaminated clothing and shoes.<br/>Wash contaminated clothing thoroughly with water before removing it, or wear gloves.<br/>Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by<br/>a physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.









Page 3 of 12

# GATOR RUST REMOVER FOR CONCRETE PAVERS, WETCAST & NATURAL STONES

SDS Revision Date (dd/mm/yyyy): 07/01/2019

#### **SECTION 4 - FIRST AID MEASURES (CONT.)**

Ingestion :

Get medical attention immediately. Call a poison center or physician. 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. Chemical burns must be treated promptly by a 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 : Inhalation : Skin contact : Ingestion :	Causes serious eye damage. No known significant effects or critical hazards. Causes severe burns. Harmful if swallowed.
OVER-EXPOSURE SIGNS/SYMPTO	MS
Eye contact:	Adverse symptoms may include the following: pain watering redness
Inhalation:	No specific data.
Skin contact:	Adverse symptoms may include the following: pain or irritation redness blistering may occur
Ingestion:	Adverse symptoms may include the following: stomach pains

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

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.
Specific treatments :	No specific treatment.
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

#### **SEE TOXICOLOGICAL INFORMATION (SECTION 11)**



#### 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

UST REMOVE



Page 4 of 12

#### GATOR RUST REMOVER FOR CONCRETE PAVERS, WETCAST & NATURAL STONES SDS Revision Date (dd/mm/yyyy): 07/01/2019

#### **SECTION 5 - FIRE FIGHTING MEASURES**

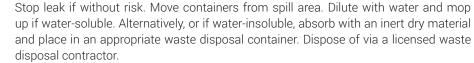
#### EXTINGUISHING MEDIA

Suitable extinguishing media : Unsuitable extinguishing media :	Use an extinguishing agent suitable for the surrounding fire. None known.
Specific hazards arising from the chemical :	In a fire or if heated, a pressure increase will occur and the container may burst.
Hazardous thermal decomposition products :	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides phosphorus oxides
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.
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.

#### **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.
For emergency responders :	If specialized 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".
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 AND MATERIALS FOR	CONTAINMENT AND CLEANING UP
Small spill :	Stop leak if without risk. Move containers from spill area. Dilute with water and mop







Page 5 of 12

## GATOR RUST REMOVER FOR CONCRETE PAVERS, WETCAST & NATURAL STONES

SDS Revision Date (dd/mm/yyyy): 07/01/2019

#### **SECTION 6 - ACCIDENTAL RELEASE MEASURES (CONT.)**

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). The spilled material may be neutralized with sodium carbonate, sodium bicarbonate or sodium hydroxide. 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 get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Keep away from alkalis. 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 locked up. Separate from alkalis. 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. See Section 10 for incompatible materials before handling or use.

#### **SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION**

#### CONTROL PARAMETERS Occupational exposure limits

Ingradiant name	Evenosuro limita	
Ingredient name	Exposure limits	
Phosphoric acid		
	ACGIH TLV (United States, 3/2017).	
	TWA: 1 mg/m <sup>3</sup> 8 hours.	
	STEL: 3 mg/m³ 15 minutes.	
	OSHA PEL 1989 (United States, 3/1989).	
	TWA: 1 mg/m <sup>3</sup> 8 hours.	
	STEL: 3 mg/m³ 15 minutes.	



UST REMOVE





SDS Revision Date (dd/mm/yyyy): 07/01/2019

FOR CONCRETE PAVERS, WETCAST & NATURAL STONES

NIOSH REL (United States, 10/2016).

OSHA PEL (United States, 6/2016).

Appropriate engineering controls: 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

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

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

airborne contaminants below any recommended or statutory limits.

will be necessary to reduce emissions to acceptable levels.

TWA: 1 mg/m<sup>3</sup> 10 hours. STEL: 3 mg/m<sup>3</sup> 15 minutes.

TWA: 1 mg/m<sup>3</sup> 8 hours.

None.

GATOR RUST REMOVER

dodecyldimethylamine oxide

**Environmental exposure** 

Hygiene measures :

INDIVIDUAL PROTECTION MEASURES

controls :

Page 6 of 12



09



Page 7 of 12

09



#### GATOR RUST REMOVER FOR CONCRETE PAVERS, WETCAST & NATURAL STONES SDS Revision Date (dd/mm/yyyy): 07/01/2019

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES** 

APPEARANCE	
Physical state :	Liquid.
Color :	Orange.
Odor :	Odorless.
Odor threshold :	Not available.
pH :	2
Melting point :	Not applicable.
Boiling point :	Not available.
Flash point :	Not available.
Relative density :	1.0
Viscosity :	Not available.

#### **SECTION 10 - STABILITY AND REACTIVITY**

Reactivity : Chemical stability : Possibility of hazardous reactions : Conditions to avoid : Incompatible materials:	No specific data. Attacks many metals producing extremely flammable hydrogen gas which can form explosive mixtures with air. Reactive or incompatible with the following materials:
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
Phosphoric acid				
	LD50 Oral	Rat	1.25 g/kg	-

#### IRRITATION/CORROSION

Product/ingredient name	Result	Species	Score	Exposure	Observation
dodecyldimethylamine oxide	Eyes - Severe irritant	Rabbit	-	1 Percent	-
	Skin - Mild irritant	Human	-	48 hours 3.7	-
				Percent	
	Skin - Severe irritant	Rabbit	-	24 hours 2	-
				milligrams	

#### SENSITIZATION

No known significant effects or critical hazards.

#### MUTAGENICITY

No known significant effects or critical hazards.



#### Alliance Designer Products Inc.



GATOR RUST REMOVER FOR CONCRETE PAVERS, WETCAST & NATURAL STONES

SDS Revision Date (dd/mm/yyyy): 07/01/2019

#### **SECTION 11 - TOXICOLOGICAL INFORMATION (CONT.)**

#### CARCINOGENICITY

No known significant effects or critical hazards.

#### **REPRODUCTIVE TOXICITY**

No known significant effects or critical hazards.

#### TERATOGENICITY

No known significant effects or critical hazards.

#### SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)

No known significant effects or critical hazards.

#### SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE)

No known significant effects or critical hazards.

#### **ASPIRATION HAZARD**

No known significant effects or critical hazards.

# Information on the likely

routes of exposure

: Causes serious eye damage.

#### POTENTIAL ACUTE HEALTH EFFECTS

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

#### SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS

Eye contact	:	Adverse symptoms may include the following: pain watering redness
Inhalation	:	No specific data.
Skin contact	:	Adverse symptoms may include the following: pain or irritation redness blistering may occur
Ingestion	:	Adverse symptoms may include the following: stomach pains

#### 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. 5 Potential delayed effects

Not available. 3



#### Alliance Designer Products Inc.





Page 9 of 12

# 

GATOR RUST REMOVER FOR CONCRETE PAVERS, WETCAST & NATURAL STONES

SDS Revision Date (dd/mm/yyyy): 07/01/2019

### **SECTION 11 - TOXICOLOGICAL INFORMATION (CONT.)**

#### POTENTIAL CHRONIC HEALTH EFFECTS

No known significant effects or critical hazards.

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

Route	ATE value
Oral	1254,2 mg/kg

#### **SECTION 12 - ECOLOGICAL INFORMATION**

TOXICITY

Product/ingredient name	Result	Species	Exposure
Phosphoric acid	Acute EC50 105 ppm Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 60 ppm Fresh water	Fish - Lepomis macrochirus	96 hours

#### PERSISTENCE AND DEGRADABILITY

Not available.

**BIOACCUMULATIVE POTENTIAL** 

Not available.

#### MOBILITY IN SOIL

#### Soil/water partition

**coefficient (K**oc) : Not available.

**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.



## Alliance Designer Products Inc.

# GATOR RUST REMOVER FOR CONCRETE PAVERS, WETCAST & NATURAL STONES

SDS Revision Date (dd/mm/yyyy): 07/01/2019

#### **SECTION 14 - TRANPORT INFORMATION**

	DOT Classification	TDG Classification	MEXICO Classification	IMDG	ΙΑΤΑ
UN number	UN1805	UN1805	UN1805	UN1805	UN1805
UN proper shipping name	PHOSPHORIC ACID SOLUTION				
Transport hazard class (es)	8	8	8	8	8
Packing group	111	111	111	111	111
Environmental hazards	No.		No.	No.	No.
ADDITIONAL INFO	RMATION				

DOT Classification	Reportable quantity 19607,8 lbs / 8902 kg. Package sizes shipped in quantities less than the product reportable quantity are not subject to the RQ (reportable quantity) transportation requirements.
TDG Classification	Product classified as per the following sections of the Transportation of Dangerous Goods Regulations: 2.40-2.42 (Class 8). <b>Explosive Limit and Limited Quantity Index 5</b>
Special precautions for user :	<b>Transport within user's premises</b> : 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 and the IBC Code	: Not available.

#### **SECTION 15 - REGULATORY INFORMATION**

Canada

Canadian NPRI :	The following components are listed: Phosphorus (total)
CEPA Toxic substances :	None of the components are listed.
United States	
U.S. Federal regulations :	TSCA 8(a) CDR Exempt/Partial exemption: Not determined
	Clean Water Act (CWA) 311 : Phosphoric acid, solution





# **GATOR RUST REMOVER** FOR CONCRETE PAVERS, WETCAST & NATURAL STONES

SDS Revision Date (dd/mm/yyyy): 07/01/2019

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs) :	Not listed
Clean Air Act Section 602 Class I Substances :	Not listed
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
CALIFORNIA PROP. 65	This product does not require a Safe Harbor warning under California Prop. 65.
INVENTORY LIST	
Canada	All components are listed or exempted.
China	All components are listed or exempted.
Europe	All components are listed or exempted.
United States	All components are listed or exempted.

#### **SECTION 16 - OTHER INFORMATION**

#### Procedure used to derive the classification

#### CLASSIFICATION

ACUTE TOXICITY (oral) - Category 4	Calculation method
SKIN CORROSION - Category 1	On basis of test data
SERIOUS EYE DAMAGE - Category 1	On basis of test data

#### HISTORY

Date of printing : Date of issue/Date of revision : Date of previous issue : Version :	Jan 7-2019 Jan 7-2019 Jan 7-2019 0.02
Key to abbreviations :	ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IBC = Internediate Bulk Container IMDG = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coefficient MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
REFERENCES :	UN = UNITED NATIONS NOT AVAILABLE.





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JUSTIFICATION





Page 12 of 12

#### GATOR RUST REMOVER FOR CONCRETE PAVERS, WETCAST & NATURAL STONES SDS Revision Date (dd/mm/yyyy): 07/01/2019

#### 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.

