



**GATOR RUBBER, PAINT & TAR 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 RUBBER, PAINT AND TAR REMOVER +  
**Product code :** -  
**Other means of identification :** Liquid.

**Supplier :** Alliance Designer Products Inc.  
225 Blvd Bellerose West  
Laval, Quebec  
Canada H7L 6A1  
www.alliancegator.com - Email : info@alliancegator.com  
Tel : 450-624-1611

**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).

### DANGER



**Classification of the substance or mixture :**

FLAMMABLE LIQUIDS - Category 3  
ACUTE TOXICITY (oral) - Category 4  
ACUTE TOXICITY (dermal) - Category 4  
SKIN IRRITATION - Category 2  
EYE IRRITATION - Category 2  
CARCINOGENICITY - Category 2  
TOXIC TO REPRODUCTION (Fertility) - Category 2  
TOXIC TO REPRODUCTION (Unborn child) - Category 2  
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3  
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1

**Hazard statements :**

H226 - Flammable liquid and vapor.  
H312 + H332 - Harmful in contact with skin or if inhaled.  
H319 - Causes serious eye irritation.  
H315 - Causes skin irritation.  
H361 - Suspected of damaging fertility or the unborn child.  
H351 - Suspected of causing cancer.  
H336 - May cause drowsiness or dizziness.  
H372 - Causes damage to organs through prolonged or repeated exposure.



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**Precautionary statements**

**General :**

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

**Prevention :**

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves. Wear eye or face protection. Wear protective clothing. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use explosion-proof electrical, ventilating, lighting and all material-handling equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Keep container tightly closed. Use only outdoors or in a well-ventilated area. Do not breathe vapor. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.

**Response :**

Get medical attention if you feel unwell. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if you feel unwell. IF SWALLOW ED: 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. IF ON SKIN: Wash with plenty of soap and water. Call a POISON CENTER or physician if you feel unwell. Take off contaminated clothing. If skin irritation occurs: Get medical attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

**Storage :**

Store locked up. Store in a well-ventilated place. Keep cool.

**Disposal :**

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

**Supplemental label elements :** None known.

**Hazards not otherwise classified :** None known.

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

**Substance/mixture:** Mixture

Ingredient name	%	CAS
xylene	60 - 85	1330-20-7
Ethylbenzene	13 - 30	100-41-4
Ethylene glycol monobutyl ether	1.5 - 7	111-76-2
Isopropyl alcohol	1.5 - 7	67-63-0

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.**



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## SECTION 4 - FIRST AID MEASURES

### 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. Get medical attention.
- Inhalation :** 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. Get medical attention. If necessary, call a poison center or physician. 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.
- Skin contact :** Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. If necessary, call a poison center or physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- 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. Aspiration hazard if swallowed. Can enter lungs and cause damage. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. 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 :** Harmful if inhaled. Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness.
- Skin contact :** Harmful in contact with skin. Causes skin irritation.
- Ingestion :** Can cause central nervous system (CNS) depression.

### OVER-EXPOSURE SIGNS/SYMPTOMS

- Eye contact:** Adverse symptoms may include the following:  
pain or irritation  
watering  
redness



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<b>Inhalation:</b>	Adverse symptoms may include the following: nausea or vomiting headache drowsiness/fatigue dizziness/vertigo unconsciousness reduced fetal weight increase in fetal deaths skeletal malformations
<b>Skin contact:</b>	Adverse symptoms may include the following: irritation redness reduced fetal weight increase in fetal deaths skeletal malformations
<b>Ingestion:</b>	Adverse symptoms may include the following: reduced fetal weight increase in fetal deaths skeletal malformations

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

<b>Notes to physician :</b>	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
<b>Specific treatments :</b>	No specific treatment.
<b>Protection of first-aiders :</b>	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.

**SEE TOXICOLOGICAL INFORMATION (SECTION 11)**

**SECTION 5 - FIRE FIGHTING MEASURES**

**EXTINGUISHING MEDIA**

<b>Suitable extinguishing media :</b>	Use dry chemical, CO <sub>2</sub> , water spray (fog) or foam.
<b>Unsuitable extinguishing media :</b>	Do not use water jet.

**Specific hazards arising  
from the chemical :**

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

**Hazardous thermal  
decomposition products :**

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

**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. Move containers from fire area if this can be done without risk. Use water



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spray to keep fire-exposed containers cool.

**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. 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.

**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".

**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. Use spark-proof tools and explosion-proof equipment. 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. Dispose of via a licensed waste disposal contractor.

**Large spill :**

Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. 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 breathe vapor or mist. Do not swallow. Avoid contact with eyes, skin and clothing. 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 only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.



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**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 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. Store locked up. 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. See Section 10 for incompatible materials before handling or use.

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

**CONTROL PARAMETERS**

**Occupational exposure limits**

Ingredient name	Exposure limits
xylene	<p><b>ACGIH TLV (United States, 4/2014).</b> TWA: 100 ppm 8 hours. TWA: 434 mg/m<sup>3</sup> 8 hours. STEL: 150 ppm 15 minutes. STEL: 651 mg/m<sup>3</sup> 15 minutes.</p> <p><b>OSHA PEL 1989 (United States, 3/1989).</b> TWA: 100 ppm 8 hours. TWA: 435 mg/m<sup>3</sup> 8 hours. STEL: 150 ppm 15 minutes. STEL: 655 mg/m<sup>3</sup> 15 minutes.</p> <p><b>OSHA PEL (United States, 6/2016).</b> TWA: 100 ppm 8 hours. TWA: 435 mg/m<sup>3</sup> 8 hours.</p>
Ethylbenzene	<p><b>ACGIH TLV (United States, 3/2017).</b> TWA: 20 ppm 8 hours.</p> <p><b>OSHA PEL 1989 (United States, 3/1989).</b> TWA: 25 ppm 8 hours. TWA: 120 mg/m<sup>3</sup> 8 hours. STEL: 125 ppm 15 minutes. STEL: 545 mg/m<sup>3</sup> 15 minutes.</p> <p><b>NIOSH REL (United States, 10/2016).</b> TWA: 100 ppm 10 hours. TWA: 435 mg/m<sup>3</sup> 10 hours. STEL: 125 ppm 15 minutes. STEL: 545 mg/m<sup>3</sup> 15 minutes.</p> <p><b>OSHA PEL (United States, 6/2016).</b> TWA: 100 ppm 8 hours. TWA: 435 mg/m<sup>3</sup> 8 hours.</p>





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

Ethylene glycol monobutyl ether	<p><b>ACGIH TLV (United States, 3/2017).</b> TWA: 20 ppm 8 hours.</p> <p><b>OSHA PEL 1989 (United States, 3/1989). Absorbed through skin.</b> TWA: 25 ppm 8 hours. TWA: 120 mg/m<sup>3</sup> 8 hours.</p> <p><b>NIOSH REL (United States, 10/2016). Absorbed through skin.</b> TWA: 5 ppm 10 hours. TWA: 24 mg/m<sup>3</sup> 10 hours.</p> <p><b>OSHA PEL (United States, 6/2016). Absorbed through skin.</b> TWA: 50 ppm 8 hours. TWA: 240 mg/m<sup>3</sup> 8 hours.</p>
Isopropyl alcohol	<p><b>ACGIH TLV (United States, 3/2017).</b> TWA: 200 ppm 8 hours. STEL: 400 ppm 15 minutes.</p> <p><b>OSHA PEL 1989 (United States, 3/1989).</b> TWA: 400 ppm 8 hours. TWA: 980 mg/m<sup>3</sup> 8 hours. STEL: 500 ppm 15 minutes. STEL: 1225 mg/m<sup>3</sup> 15 minutes.</p> <p><b>NIOSH REL (United States, 10/2016).</b> TWA: 400 ppm 10 hours. TWA: 980 mg/m<sup>3</sup> 10 hours. STEL: 500 ppm 15 minutes. STEL: 1225 mg/m<sup>3</sup> 15 minutes.</p> <p><b>OSHA PEL (United States, 6/2016).</b> TWA: 400 ppm 8 hours. TWA: 980 mg/m<sup>3</sup> 8 hours.</p>

**Appropriate engineering controls :** 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.

**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.



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### **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. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.

#### **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 :**

Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

## **SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

### **APPEARANCE**

Physical state :	Liquid.
Colour :	Clear.
Odour :	Not available.
pH :	5 - 7
Melting point :	Not available.
Boiling point :	Not available.
Flash point :	Not available.
Relative density :	1

Viscosity : 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 :** 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.

**Incompatible materials:** Reactive or incompatible with the following materials:  
oxidizing materials

**Hazardous decomposition products :** Under normal conditions of storage and use, hazardous decomposition products



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should not be produced.

**SECTION 11 - TOXICOLOGICAL INFORMATION**

**INFORMATION ON TOXICOLOGICAL EFFECTS**

**ACUTE TOXICITY**

Product/ingredient name	Result	Species	Dose	Exposure
xylene	LC50 Inhalation Gas.	Rat	5000 ppm	4 hours
	LD50 Oral	Rat	4300 mg/kg	-
Ethylbenzene	LD50 Dermal	Rabbit	>5000 mg/kg	-
	LD50 Oral	Rat	3500 mg/kg	-
Ethylene glycol monobutyl ether	LC50 Inhalation Gas.	Rat	450 ppm	4 hours
	LD50 Dermal	Rabbit	220 mg/kg	-
Isopropyl alcohol	LD50 Oral	Rat	250 mg/kg	-
	LD50 Dermal	Rabbit	12800 mg/kg	-
	LD50 Oral	Rat	5000 mg/kg	-

**IRRITATION/CORROSION**

Product/ingredient name	Result	Species	Score	Exposure
xylene	Eyes - Mild irritant	Rabbit	-	87 milligrams
	Eyes - Severe irritant	Rabbit	-	24 hours 5 milligrams
	Skin - Mild irritant	Rat	-	8 hours 60 microliters
	Skin - Moderate irritant	Rabbit	-	24 hours 500 milligrams
Ethylbenzene	Skin - Moderate irritant	Rabbit	-	100 Percent
	Eyes - Severe irritant	Rabbit	-	24 hours 100 milligrams
	Skin - Mild irritant	Rabbit	-	100 milligrams
Ethylene glycol monobutyl ether	Eyes - Moderate irritant	Rabbit	-	24 hours 100 milligrams
	Eyes - Severe irritant	Rabbit	-	100 milligrams
	Skin - Mild irritant	Rabbit	-	500 milligrams
Isopropyl alcohol	Eyes - Moderate irritant	Rabbit	-	24 hours 100 milligrams
	Eyes - Moderate irritant	Rabbit	-	10 milligrams
	Eyes - Severe irritant	Rabbit	-	100 milligrams
	Skin - Mild irritant	Rabbit	-	500 milligrams





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**SENSITIZATION** No known significant effects or critical hazards.  
**MUTAGENICITY** No known significant effects or critical hazards.  
**CARCINOGENICITY** No known significant effects or critical hazards.

**CLASSIFICATION**

Product/ingredient name	OSHA	IARC	NTP
xylene	-	3	-
Ethylbenzene	-	2B	-
Ethylene glycol monobutyl ether	-	3	-
Isopropyl alcohol	-	3	-

**REPRODUCTIVE TOXICITY** No known significant effects or critical hazards.

Product/ingredient name	Maternal toxicity	Fertility	Development toxin	Species	Dose	Exposure

**TERATOGENICITY** No known significant effects or critical hazards.

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

Name	Category	Route of exposure	Target organs
xylene	Category 3	Not applicable.	Narcotic effects
Ethylene glycol monobutyl ether	Category 3	Not applicable.	Respiratory tract irritation

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

Name	Category	Route of exposure	Target organs
Ethylene glycol monobutyl ether	Category 1	Not Determined	Not Determined

**ASPIRATION HAZARD**

Name	Result
xylene	ASPIRATION HAZARD - Category 1
Ethylbenzene	ASPIRATION HAZARD - Category 1

**POTENTIAL ACUTE HEALTH EFFECTS**

- Eye contact** : Causes serious eye damage.
- Inhalation** : Harmful if inhaled. Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness.
- Skin contact** : Harmful in contact with skin. Causes skin irritation.
- Ingestion** : Can cause central nervous system (CNS) depression.



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

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

- Eye contact** : Adverse symptoms may include the following:  
pain or irritation  
watering  
redness
- Inhalation** : Adverse symptoms may include the following:  
nausea or vomiting  
headache  
drowsiness/fatigue  
dizziness/vertigo  
unconsciousness  
reduced fetal weight  
increase in fetal deaths  
skeletal malformations
- Skin contact** : Adverse symptoms may include the following:  
irritation  
redness  
reduced fetal weight  
increase in fetal deaths  
skeletal malformations
- Ingestion** : Adverse symptoms may include the following:  
reduced fetal weight  
increase in fetal deaths  
skeletal malformations

**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** : No known significant effects or critical hazards.

- General** : Causes damage to organs through prolonged or repeated exposure.
- Carcinogenicity** : Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.
- Mutagenicity** : No known significant effects or critical hazards.
- Teratogenicity** : Suspected of damaging the unborn child.
- Developmental effects** : No known significant effects or critical hazards.
- Fertility effects** : Suspected of damaging fertility.



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**NUMERICAL MEASURES OF TOXICITY**

**ACUTE TOXICITY ESTIMATES**

Route	ATE value
Oral	3024,7 mg/kg
Dermal	1150,8 mg/kg
Inhalation (gases)	4401,4 ppm
Inhalation (vapors)	59,02 mg/l

**SECTION 12 - ECOLOGICAL INFORMATION**

**TOXICITY**

Product/ingredientname	Result	Species	Exposure
xylene	Acute LC50 8500 µg/l Marine water	Crustaceans - Palaemonetes pugio	48 hours
	Acute LC50 13400 µg/l Fresh water	Fish - Pimephales promelas	96 hours
Ethylbenzene Acute	EC50 4600 µg/l Fresh water	Algae -Pseudokirchneriella subcapitata	72 hours
	Acute EC50 3600 µg/l Fresh water	Algae -Pseudokirchneriella subcapitata	96 hours
	Acute EC50 6530 µg/l Fresh water	Crustaceans - Artemia sp. - Nauplii	48 hours
	Acute EC50 2930 µg/l Fresh water	Daphnia - Daphnia magna -Neonate	48 hours
	Acute LC50 4200 µg/l Fresh water	Fish - Oncorhynchus mykiss	96 hours
Ethylene glycol monobutyl ether	Acute EC50 >1000 mg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 800000 µg/l Marine water	Crustaceans - Crangon crangon	48 hours
	Acute LC50 1250000 µg/l Marine water	Fish - Menidia beryllina	96 hours
Isopropyl alcohol	Acute EC50 10100 mg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 1400000 µg/l Marine water	Crustaceans - Crangon crangon	48 hours
	Acute LC50 4200 mg/l Fresh water	Fish - Rasbora heteromorpha	96 hours

**PERSISTENCE AND DEGRADABILITY**

**BIOACCUMULATIVE POTENTIAL**

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
xylene	3.12	8.1 to 25.9	low
Ethylbenzene	3.6		low
Ethylene glycol monobutyl ether	0.81	-	low
Isopropyl alcohol	0.05	-	low

**MOBILITY IN SOIL**

**Soil/water partition**

coefficient (KOC) : Not available.



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**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. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

**UNITED STATES - RCRA TOXIC HAZARDOUS WASTE "U" LIST**

Ingredient	#CAS	Status	Reference number
Xylene	1330-20-7	Listed	U239

**SECTION 14 - TRANSPORT INFORMATION**

	DOT Classification	TDG Classification	MEXICO Classification	IMDG	IATA
UN number	UN1307	UN1307	UN1307	UN1307	UN1307
UN proper shipping name	XYLENES	XYLENES	XYLENES	XYLENES	XYLENES
Transport hazard class (es)	3	3	3	3	3
Packing group	III	III	III	III	III
Environmental hazards	No.	Yes.	Yes. The environmentally hazardous substance mark is not required.	Yes.	Yes. The environmentally hazardous substance mark is not required.



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**ADDITIONAL INFORMATION**

<b>DOT Classification :</b>	<b>Reportable quantity</b> 155,64 lbs / 70,659 kg [18,666 gal / 70,659 L]. Package sizes shipped in quantities less than the product reportable quantity are not subject to the RQ (reportable quantity) transportation requirements.
<b>TDG Classification :</b>	Product classified as per the following sections of the Transportation of Dangerous Goods Regulations: 2.18-2.19 (Class 3), 2.7 (Marine pollutant mark). The marine pollutant mark is not required when transported by road or rail.
<b>ADR/RID :</b>	<b>Explosive Limit and Limited Quantity Index 5</b> The environmentally hazardous substance mark is not required when transported in sizes of $\leq 5$ L or $\leq 5$ kg.
<b>IMDG :</b>	The marine pollutant mark is not required when transported in sizes of $\leq 5$ L or $\leq 5$ kg.
<b>IATA :</b>	The environmentally hazardous substance mark may appear if required by other transportation regulations.
<b>Special precautions for user :</b>	<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.
<b>Transport in bulk according to Annex II of MARPOL and the IBC Code</b>	: Not available.

**SECTION 15 - REGULATORY INFORMATION**

**Canada**

<b>Canadian NPRI :</b>	The following components are listed: 2-Butoxyethanol; Xylene (all isomers); Ethylbenzene; Isopropyl alcohol
<b>CEPA Toxic substances :</b>	The following components are listed: 2-butoxyethanol

**United States**

<b>U.S. Federal regulations :</b>	<b>TSCA 8(a) CDR Exempt/Partial exemption:</b> Not determined
	<b>Clean Water Act (CWA) 307 :</b> ethylbenzene
	<b>Clean Water Act (CWA) 311 :</b> xylene; ethylbenzene

**Clean Air Act Section 112**

**(b) Hazardous Air**

**Pollutants (HAPs) :** Not listed

**Clean Air Act Section 602**

**Class I Substances :** Not listed



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**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**



**WARNING:** This product can expose you to Ethylbenzene, which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

Ingredient name	No Significant Risk level	Maximum acceptable dosage level
Ethylbenzene	Yes	-

**INVENTORY LIST**

Canada	Not determined.
China	Not determined.
Europe	Not determined.
United States	Not determined.

**SECTION 16 -OTHER INFORMATION**

Procedure used to derive the classification	JUSTIFICATION
<b>CLASSIFICATION</b>	
FLAMMABLE LIQUIDS - Category 3 Expert judgment	
ACUTE TOXICITY (dermal) - Category 4	Calculation method
ACUTE TOXICITY (inhalation) - Category 4	Calculation method
SKIN IRRITATION - Category 2	Calculation method
EYE IRRITATION - Category 2A	Calculation method
CARCINOGENICITY - Category 2	Calculation method
TOXIC TO REPRODUCTION (Fertility) - Category 2	Calculation method
TOXIC TO REPRODUCTION (Unborn child) - Category 2	Calculation method
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3	Calculation method
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1	Calculation method



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#### HISTORY

Date of printing : Jan 7-2019  
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Version : 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 = Intermediate 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)

UN = UNITED NATIONS

REFERENCES : NOT AVAILABLE.

Indicates information that has changed from previously issued version.

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