# SAFETY DATA SHEET

### **PAVING STONE SEALER**



### Section 1. Identification

GHS product identifier : PAVING STONE SEALER

Code : Not available.

Other means of : Not available.

identification

Product type : Liquid.

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

Identified uses : Paving Stone Sealer.

**Supplier/Manufacturer** : Seal King Inc.

14 Melanie Drive, Unit 10 BRAMPTON, ON L6T 4L3 Phone: 905-799-1113 Fax: 905-799-6362 Email: info@sealking.ca Web Site: www.sealking.ca

Emergency telephone number (with hours of operation)

: CHEMTREC International: +1(703) 527-3887

# 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

: FLAMMABLE LIQUIDS - Category 3 ACUTE TOXICITY (inhalation) - Category 4

SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A CARCINOGENICITY - Category 2

TOXIC TO REPRODUCTION (Unborn child) - Category 2

SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (hearing organs) -

Category 2

**GHS label elements** 

Hazard pictograms :







Signal word : Warning

**Hazard statements** : H226 - Flammable liquid and vapor.

H332 - Harmful if inhaled.

H319 - Causes serious eye irritation.

H315 - Causes skin irritation.

H361 - Suspected of damaging the unborn child.

H351 - Suspected of causing cancer.

H373 - May cause damage to organs through prolonged or repeated exposure. (hearing





### Section 2. Hazards identification

organs)

### **Precautionary statements**

Prevention

Response

: P201 - Obtain special instructions before use.

P202 - Do not handle until all safety precautions have been read and understood.

P280 - Wear protective gloves. Wear eye or face protection. Wear protective clothing.

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition

sources. No smoking.

P241 - Use explosion-proof electrical, ventilating, lighting and all material-handling

equipment.

P242 - Use only non-sparking tools.

P243 - Take precautionary measures against static discharge.

P233 - Keep container tightly closed.

P271 - Use only outdoors or in a well-ventilated area.

P260 - Do not breathe vapor.

P264 - Wash hands thoroughly after handling.

: P314 - Get medical attention if you feel unwell.

P308 + P313 - IF exposed or concerned: Get medical attention.

P304 + P340 + P312 - IF INHALED: Remove person to fresh air and keep comfortable

for breathing. Call a POISON CENTER or physician if you feel unwell.

P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated

clothing. Rinse skin with water or shower.

P302 + P352 + P362+P364 - IF ON SKIN: Wash with plenty of soap and water. Take off

contaminated clothing and wash it before reuse.

P332 + P313 - If skin irritation occurs: Get medical attention.

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 - If eye irritation persists: Get medical attention.

: P405 - Store locked up. **Storage** 

P403 - Store in a well-ventilated place.

P235 - Keep cool.

**Disposal** : P501 - Dispose of contents and container in accordance with all local, regional, national

and international regulations.

Other hazards which do not : None known.

result in classification/ **HHNOC/PHNOC** 

# Section 3. Composition/information on ingredients

Substance/mixture

: Mixture

Other means of identification

: Not available.

### **CAS** number/other identifiers

**CAS** number : Not applicable. : Not available. **Product code** 

Ingredient name	%	CAS number
1	≥25 - ≤50 ≥25 - ≤50	540-88-5 1330-20-7
1 . 7	≥5 - ≤10 ≤0.3	100-41-4 108-88-3

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.





# Section 3. Composition/information on ingredients

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

### 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 20 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

: Flush contaminated skin with plenty of water. Continue to rinse for at least 20 minutes. Get medical attention. 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. 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.Skin contact: Causes skin irritation.

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

### Over-exposure signs/symptoms

**Eye contact** : Adverse symptoms may include the following:

pain or irritation watering redness

Inhalation : Adverse symptoms may include the following:

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





### Section 4. First aid measures

Ingestion

: 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

Notes to physician

: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

**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.

See toxicological information (Section 11)

## Section 5. Fire-fighting measures

### **Extinguishing media**

Suitable extinguishing media

: Use dry chemical, CO<sub>2</sub>, water spray (fog) or foam.

Unsuitable extinguishing media

: Do not use water jet or water-based fire extinguishers.

Specific hazards arising from the chemical

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

decomposition products

Decomposition products may include the following materials: carbon dioxide

Special protective actions

for fire-fighters

carbon monoxide

Special protective equipment for fire-fighters

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

: 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 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 non-emergency 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).





### Section 6. Accidental release measures

### 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). Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. 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. 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.

# Section 8. Exposure controls/personal protection

Control parameters
United States

Occupational exposure limits





# Section 8. Exposure controls/personal protection

Ingredient name	Exposure limits
tert-Butyl acetate	NIOSH REL (United States, 10/2013).  TWA: 200 ppm 10 hours.  TWA: 950 mg/m³ 10 hours.  OSHA PEL (United States, 6/2016).  TWA: 200 ppm 8 hours.  TWA: 950 mg/m³ 8 hours.  ACGIH TLV (United States, 3/2016).  STEL: 150 ppm 15 minutes.
Xylene	TWA: 50 ppm 8 hours.  ACGIH TLV (United States, 3/2016).  TWA: 100 ppm 8 hours.  TWA: 434 mg/m³ 8 hours.  STEL: 150 ppm 15 minutes.  STEL: 651 mg/m³ 15 minutes.  OSHA PEL (United States, 6/2016).  TWA: 100 ppm 8 hours.  TWA: 435 mg/m³ 8 hours.
Ethylbenzene	ACGIH TLV (United States, 3/2016). TWA: 20 ppm 8 hours. NIOSH REL (United States, 10/2013). TWA: 100 ppm 10 hours. TWA: 435 mg/m³ 10 hours. STEL: 125 ppm 15 minutes. STEL: 545 mg/m³ 15 minutes. OSHA PEL (United States, 6/2016). TWA: 100 ppm 8 hours. TWA: 435 mg/m³ 8 hours.
Toluene	OSHA PEL Z2 (United States, 2/2013).  TWA: 200 ppm 8 hours.  CEIL: 300 ppm  AMP: 500 ppm 10 minutes.  NIOSH REL (United States, 10/2013).  TWA: 100 ppm 10 hours.  TWA: 375 mg/m³ 10 hours.  STEL: 150 ppm 15 minutes.  STEL: 560 mg/m³ 15 minutes.  ACGIH TLV (United States, 3/2016).  TWA: 20 ppm 8 hours.

### **Canada**

### **Occupational exposure limits**

Ingredient name	Exposure limits
tert-Butyl acetate	CA Alberta Provincial (Canada, 4/2009).  8 hrs OEL: 200 ppm 8 hours. 8 hrs OEL: 950 mg/m³ 8 hours.  CA British Columbia Provincial (Canada, 5/2015).  TWA: 200 ppm 8 hours.  CA Ontario Provincial (Canada, 7/2015).  TWA: 200 ppm 8 hours.  CA Quebec Provincial (Canada, 1/2014).  TWAEV: 200 ppm 8 hours.  TWAEV: 950 mg/m³ 8 hours.  CA Saskatchewan Provincial (Canada, 7/2013).  STEL: 250 ppm 15 minutes.  TWA: 200 ppm 8 hours.
Xylene	CA Alberta Provincial (Canada, 4/2009).  8 hrs OEL: 100 ppm 8 hours.  15 min OEL: 651 mg/m³ 15 minutes.  15 min OEL: 150 ppm 15 minutes.  8 hrs OEL: 434 mg/m³ 8 hours.  CA British Columbia Provincial (Canada, 5/2015).  TWA: 100 ppm 8 hours.  STEL: 150 ppm 15 minutes.  CA Quebec Provincial (Canada, 1/2014).  TWAEV: 100 ppm 8 hours.  TWAEV: 434 mg/m³ 8 hours.



Ethylbenzene

Toluene

## Section 8. Exposure controls/personal protection

STEV: 150 ppm 15 minutes. STEV: 651 mg/m³ 15 minutes.

CA Ontario Provincial (Canada, 7/2015).

STEL: 150 ppm 15 minutes. TWA: 100 ppm 8 hours.

CA Saskatchewan Provincial (Canada, 7/2013).

STEL: 150 ppm 15 minutes. TWA: 100 ppm 8 hours.

CA Alberta Provincial (Canada, 4/2009).

8 hrs OEL: 100 ppm 8 hours. 8 hrs OEL: 434 mg/m³ 8 hours. 15 min OEL: 543 mg/m³ 15 minutes. 15 min OEL: 125 ppm 15 minutes.

CA British Columbia Provincial (Canada, 5/2015).

TWA: 20 ppm 8 hours.

CA Ontario Provincial (Canada, 7/2015).

TWA: 20 ppm 8 hours.

CA Quebec Provincial (Canada, 1/2014).

TWAEV: 100 ppm 8 hours. TWAEV: 434 mg/m³ 8 hours. STEV: 125 ppm 15 minutes. STEV: 543 mg/m³ 15 minutes.

CA Saskatchewan Provincial (Canada, 7/2013).

STEL: 125 ppm 15 minutes. TWA: 100 ppm 8 hours.

CA Alberta Provincial (Canada, 4/2009). Absorbed through skin.

8 hrs OEL: 50 ppm 8 hours. 8 hrs OEL: 188 mg/m³ 8 hours.

CA British Columbia Provincial (Canada, 5/2015).

TWA: 20 ppm 8 hours.

CA Ontario Provincial (Canada, 7/2015).

TWA: 20 ppm 8 hours.

CA Quebec Provincial (Canada, 1/2014). Absorbed through skin.

TWAEV: 50 ppm 8 hours. TWAEV: 188 mg/m³ 8 hours.

CA Saskatchewan Provincial (Canada, 7/2013). Absorbed through

skin.

STEL: 60 ppm 15 minutes. TWA: 50 ppm 8 hours.

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.

### **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** 





## Section 8. Exposure controls/personal 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 antistatic 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. [Slightly viscous.]

Color : Clear.

Odor : Solvent.

Odor threshold : Not available.

pH : Not available.

Melting point : Not available.

Boiling point : 98°C (208.4°F)

Flash point : Closed cup: 40°C (104°F)

Evaporation rate : Not available.
Flammability (solid, gas) : Not available.
Lower and upper explosive : Not available.

(flammable) limits

Vapor pressure: Not available.Vapor density: Not available.Relative density: Not available.Solubility: Not available.Partition coefficient: n-: Not available.

octanol/water

Auto-ignition temperature: Not available.Decomposition temperature: Not available.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** 

: Not available.

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
tert-Butyl acetate	LD50 Oral	Rat	4100 mg/kg	-
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	-
Toluene	LC50 Inhalation Vapor	Rat	49 g/m³	4 hours

### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
tert-Butyl acetate	Eyes - Mild irritant	Rabbit	-	100 μΙ	-
•	Skin - Mild irritant	Rabbit	-	24 hours 500 µl	-
Xylene	Eyes - Mild irritant	Rabbit	-	87 mg	-
•	Eyes - Severe irritant	Rabbit	-	24 hours 5 mg	-
	Skin - Mild irritant	Rat	-	8 hours 60 µl	-
	Skin - Moderate irritant	Rabbit	-	24 hours 500 mg	-
	Skin - Moderate irritant	Rabbit	-	100%	-
Ethylbenzene	Eyes - Severe irritant	Rabbit	-	500 mg	-
•	Skin - Mild irritant	Rabbit	-	24 hours 15 mg	-
Toluene	Eyes - Mild irritant	Rabbit	-	0.5 minutes 100	-
	*			mg	
	Eyes - Mild irritant	Rabbit	-	870 μg	-
	Eves - Severe irritant	Rabbit	-	24 hours 2 mg	-
	Skin - Mild irritant	Pig	-	24 hours 250 µl	-
	Skin - Mild irritant	Rabbit	-	435 mg	-
	Skin - Moderate irritant	Rabbit	-	24 hours 20 mg	-
	Skin - Moderate irritant	Rabbit	-	500 mg	_

### **Sensitization**

There is no data available.

#### **Mutagenicity**

There is no data available.

### **Carcinogenicity**

**Classification** 





# **Section 11. Toxicological information**

Product/ingredient name	OSHA	IARC	NTP	ACGIH	EPA	NIOSH
Xylene	-	3	-	A4	-	-
Ethylbenzene	-	2B	-	A3	-	-

#### Reproductive toxicity

There is no data available.

### **Teratogenicity**

There is no data available.

### Specific target organ toxicity (single exposure)

Name	3.3	Route of exposure	Target organs
Toluene	Category 3	Not applicable.	Narcotic effects

### Specific target organ toxicity (repeated exposure)

Name	Category	Route of exposure	Target organs
Ethylbenzene Toluene	Category 2 Category 2	Not determined	hearing organs bladder, hearing organs, kidneys, liver and respiratory system

### **Aspiration hazard**

Name	Result
	ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1

Information on the likely

routes of exposure

: Dermal contact. Eye contact. Inhalation. Ingestion.

### Potential acute health effects

**Eye contact** : Causes serious eye irritation.

Inhalation: Harmful if inhaled.Skin contact: Causes skin irritation.

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

### 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:

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





# **Section 11. Toxicological information**

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

: No known significant effects or critical hazards.

effects

Potential delayed effects : No known significant effects or critical hazards.

Long term exposure

Potential immediate : No known significant effects or critical hazards.

effects

Potential delayed effects : No known significant effects or critical hazards.

Potential chronic health effects

**General** : May cause 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. Suspected of damaging the unborn child. **Teratogenicity 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
	4420.8 mg/kg 2724.5 mg/kg 12383.9 ppm 154.4 mg/L

# Section 12. Ecological information

### **Toxicity**

Product/ingredient name	Result	Species	Exposure
tert-Butyl acetate	Acute LC50 327000 µg/L Fresh water	Fish - Pimephales promelas	96 hours
Ethylbenzene	Acute EC50 13300 µg/L Fresh water	Crustaceans - Artemia sp Nauplii	48 hours
,	Acute LC50 13900 µg/L Fresh water	Daphnia - Daphnia magna - Neonate	48 hours
Toluene	Acute EC50 11600 μg/L Fresh water	Crustaceans - Gammarus pseudolimnaeus - Adult	48 hours
	Acute EC50 6000 μg/L Fresh water	Daphnia - Daphnia magna - Juvenile (Fledgling, Hatchling, Weanling)	48 hours
	Chronic NOEC 2 mg/L Fresh water	Daphnia - Daphnia magna	21 days

#### Persistence and degradability

There is no data available.

### **Bioaccumulative potential**





# **Section 12. Ecological information**

Product/ingredient name	LogPow	BCF	Potential
tert-Butyl acetate	1.64	-	low
Xylene	3.12	8.1 to 25.9	low
Ethylbenzene	3.6	-	low
Toluene	2.73	90	low

#### **Mobility in soil**

Soil/water partition coefficient (Koc)

: 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 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 empty 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#		Reference number
Xylene	1330-20-7	Listed	U239

# **Section 14. Transport information**

	DOT	TDG	IMDG	IATA
UN number	UN1993	UN1993	UN1993	UN1993
UN proper shipping name	FLAMMABLE LIQUIDS, N.O.S. (tert-Butyl acetate, Xylene) RQ (Xylene, tert-Butyl acetate)	FLAMMABLE LIQUIDS, N.O. S. (tert-Butyl acetate, Xylene)	FLAMMABLE LIQUIDS, N.O.S. (tert-Butyl acetate, Xylene)	FLAMMABLE LIQUIDS, N.O.S. (tert-Butyl acetate, Xylene)
Transport hazard class(es)	3	3	3	3
Packing group	II	II	II	II
Environmental hazards	No.	No.	No.	No.





#### **PAVING STONE SEALER**

## Section 14. Transport information

**Additional** information

This product may be reclassified as "Combustible Liquid," unless transported by vessel or aircraft. Non-bulk packages (less than or equal to 119 gal) of combustible liquids are not regulated as hazardous materials in package sizes less than the product reportable quantity.

Product classified as per the following sections of the Transportation of Dangerous Goods Regulations: 2.18-2.19 (Class 3).

Reportable quantity

247.68 lbs / 112.45 kg Package sizes shipped in quantities less than the product reportable quantity are not subject to the RQ (reportable quantity) transportation requirements.

**AERG**: 128

**DOT-RQ Details** 

: Xylene tert-Butyl acetate 100 lbs / 45.4 kg [13.946 gal / 52.791 L] 5000 lbs / 2270 kg [697.29 gal / 2639.5 L]

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.

### Section 15. Regulatory information

U.S. Federal regulations

: TSCA 8(a) PAIR: tert-Butyl acetate; 2-Methylpropan-2-ol

TSCA 8(a) CDR Exempt/Partial exemption: Not determined

United States inventory (TSCA 8b): All components are listed or exempted.

Clean Water Act (CWA) 307: Ethylbenzene; Toluene

Clean Water Act (CWA) 311: Ethylbenzene; Xylene; tert-Butyl acetate; Toluene

Clean Air Act Section 112

(b) Hazardous Air **Pollutants (HAPs)**  Listed

Clean Air Act Section 602

: Not listed

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

No products were found.

**SARA 304 RQ** : Not applicable.

**SARA 311/312** 





# Section 15. Regulatory information

Classification : Fire hazard

Immediate (acute) health hazard Delayed (chronic) health hazard

### Composition/information on ingredients

Name	%		Sudden release of pressure		Immediate (acute) health hazard	Delayed (chronic) health hazard
tert-Butyl acetate Xylene Ethylbenzene Toluene	≥25 - ≤50 ≥25 - ≤50 ≥5 - ≤10 ≤0.3	Yes. Yes. Yes. Yes.	No. No.	No. No. No. No.	Yes. Yes. Yes. Yes.	No. No. Yes. Yes.

### **SARA 313**

	Product name	CAS number	%
Form R - Reporting requirements	<b>,</b>		≥25 - ≤50 ≥5 - ≤10
Supplier notification			≥25 - ≤50 ≥5 - ≤10

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

### **State regulations**

Massachusetts: The following components are listed: Ethylbenzene; Xylene; tert-Butyl acetateNew York: The following components are listed: Ethylbenzene; Xylene; tert-Butyl acetateNew Jersey: The following components are listed: Ethylbenzene; Xylene; tert-Butyl acetatePennsylvania: The following components are listed: Ethylbenzene; Xylene; tert-Butyl acetate

### California Prop. 65

WARNING: This product contains a chemical known to the State of California to cause cancer.

**WARNING:** This product contains less than 1% of a chemical known to the State of California to cause birth defects or other reproductive harm.

Ingredient name	Cancer	Reproductive	level	Maximum acceptable dosage level
Ethylbenzene	Yes.		41 μg/day (ingestion) 54 μg/day (inhalation)	No.
Toluene	No.			7000 μg/day (ingestion)

### **Canada**

**Canadian lists** 

Canadian NPRI : The following components are listed: Ethylbenzene; Xylene CEPA Toxic substances : The following components are listed: tert-Butyl acetate

**Canada inventory** : All components are listed or exempted.





### **Section 16. Other information**

### Procedure used to derive the classification

Classification	Justification
FLAMMABLE LIQUIDS - Category 3	On basis of test data
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 (Unborn child) - Category 2	Calculation method
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (hearing organs) - Category 2	Calculation method

### **History**

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### 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.