



# SAFETY DATA SHEET

## 1. Identification

**Material name:** CONCRETE STAIN SLR VOC - CLEAR BASE 5 GL

**Material:** CSSV G005 000

**Recommended use and restriction on use**

**Recommended use:** Coatings

**Restrictions on use:** Not known.

**Manufacturer/Importer/Supplier/Distributor Information**

EUCLID CHEMICAL COMPANY

19218 REDWOOD ROAD

CLEVELAND OH 44110

US

**Contact person:**

EH&S Department

**Telephone:**

216-531-9222

**Emergency telephone number:**

1-800-424-9300 (US); 1-613-996-6666 (Canada)

## 2. Hazard(s) identification

### Hazard Classification

#### Physical Hazards

Flammable liquids Category 2

#### Health Hazards

Acute toxicity (Inhalation - dust and mist) Category 4

Skin Corrosion/Irritation Category 2

Serious Eye Damage/Eye Irritation Category 2A

Germ Cell Mutagenicity Category 1B

Carcinogenicity Category 1B

Specific Target Organ Toxicity - Single Exposure Category 3<sup>1</sup>

#### Target Organs

1. Narcotic effect.

#### Unknown toxicity - Health

Acute toxicity, oral 24.42 %

Acute toxicity, dermal 25.51 %

Acute toxicity, inhalation, vapor 55.37 %

Acute toxicity, inhalation, dust or mist 94.93 %

### Environmental Hazards

Acute hazards to the aquatic environment Category 3

Chronic hazards to the aquatic environment

Category 3

#### Unknown toxicity - Environment

Acute hazards to the aquatic environment 46.28 %

Chronic hazards to the aquatic environment 94.52 %

#### Label Elements

##### Hazard Symbol:



##### Signal Word:

Danger

##### Hazard Statement:

Highly flammable liquid and vapor.  
Harmful if inhaled.  
Causes skin irritation.  
Causes serious eye irritation.  
May cause genetic defects.  
May cause cancer.  
May cause drowsiness or dizziness.  
Harmful to aquatic life with long lasting effects.

##### Precautionary Statements

##### Prevention:

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Ground and bond container and receiving equipment. Use explosion-proof electrical equipment. Use non-sparking tools. Take action to prevent static discharges. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Wash thoroughly after handling. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Avoid release to the environment.

##### Response:

IF INHALED: Remove person to fresh air and keep comfortable for breathing. 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 advice/attention. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. If skin irritation occurs: Get medical advice/attention. Call a POISON CENTER/doctor if you feel unwell. Specific treatment (see on this label). Take off contaminated clothing. In case of fire: Use... to extinguish.

##### Storage:

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

tightly closed.

**Disposal:**

Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

**Hazard(s) not otherwise classified (HNOC):**

Static accumulating flammable liquid can become electrostatically charged even in bonded and grounded equipment.

### 3. Composition/information on ingredients

**Mixtures**

Chemical Identity	CAS number	Content in percent (%)*
Acetone	67-64-1	20 - <50%
Tert-Butyl Acetate	540-88-5	20 - <50%
Clay	1332-58-7	10 - <20%
Aromatic petroleum distillates	64742-95-6	5 - <10%
1,2,4-Trimethylbenzene	95-63-6	2.5 - <5%
1,3,5-Trimethylbenzene	108-67-8	0.1 - <1%
Xylene	1330-20-7	0.1 - <1%
Diisobutyl ketone	108-83-8	0.1 - <1%
Tert-Butyl Alcohol	75-65-0	0.1 - <1%
Ethylbenzene	100-41-4	0.1 - <1%

\* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

### 4. First-aid measures

**Description of necessary first-aid measures**

**Inhalation:**

Move to fresh air.

**Skin Contact:**

Take off immediately all contaminated clothing. Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash contaminated clothing before reuse. Get medical attention.

**Eye contact:**

Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention.

**Ingestion:**

Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.

**Personal Protection for First-aid Responders:**

Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

**Most important symptoms/effects, acute and delayed**

**Symptoms:**

Respiratory tract irritation. Prolonged or repeated contact with skin may cause redness, itching, irritation and eczema/chapping. Narcotic effect.

**Hazards:** No data available.

**Indication of immediate medical attention and special treatment needed**

**Treatment:** Symptoms may be delayed.

## 5. Fire-fighting measures

**General Fire Hazards:** Use water spray to keep fire-exposed containers cool. Water may be ineffective in fighting the fire. Fight fire from a protected location. Move containers from fire area if you can do so without risk.

**Suitable (and unsuitable) extinguishing media**

**Suitable extinguishing media:** Use fire-extinguishing media appropriate for surrounding materials.

**Unsuitable extinguishing media:** Avoid water in straight hose stream; will scatter and spread fire.

**Specific hazards arising from the chemical:** Vapors may travel considerable distance to a source of ignition and flash back. Vapors may cause a flash fire or ignite explosively. Prevent buildup of vapors or gases to explosive concentrations.

**Special protective equipment and precautions for fire-fighters**

**Special fire-fighting procedures:** No data available.

**Special protective equipment for fire-fighters:** Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

## 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures:** Ventilate closed spaces before entering them. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Keep upwind. See Section 8 of the SDS for Personal Protective Equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep unauthorized personnel away.

**Accidental release measures:** In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.

**Methods and material for containment and cleaning up:** Dam and absorb spillages with sand, earth or other non-combustible material. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.

**Environmental Precautions:** Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Avoid release to the environment.

**7. Handling and storage****Handling****Technical measures (e.g. Local and general ventilation):**

Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of vapors and mist. Mechanical ventilation or local exhaust ventilation may be required.

**Safe handling advice:**

Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Avoid contact with eyes. Wash hands thoroughly after handling. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground and bond container and receiving equipment. Take precautionary measures against static discharges. Avoid contact with skin.

**Contact avoidance measures:**

No data available.

**Hygiene measures:**

Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product. Avoid contact with eyes. When using do not smoke. Wash contaminated clothing before reuse. Avoid contact with skin.

**Storage****Safe storage conditions:**

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

**Safe packaging materials:**

No data available.

**8. Exposure controls/personal protection****Control Parameters****Occupational Exposure Limits**

Chemical Identity	Type	Exposure Limit Values	Source
Acetone	TWA	250 ppm	US. ACGIH Threshold Limit Values, as amended (03 2015)
	STEL	500 ppm	US. ACGIH Threshold Limit Values, as amended (03 2015)
	PEL	1,000 ppm 2,400 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended (02 2006)
Tert-Butyl Acetate	PEL	200 ppm 950 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended (02 2006)
	TWA	50 ppm	US. ACGIH Threshold Limit Values, as amended (03 2016)
	STEL	150 ppm	US. ACGIH Threshold Limit Values, as amended (03 2016)
Clay - Respirable fraction.	TWA	2 mg/m3	US. ACGIH Threshold Limit Values, as amended (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended (02 2006)
Clay - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended (02 2006)
	TWA	50 millions of particles per	US. OSHA Table Z-3 (29 CFR 1910.1000), as amended (03 2016)



		cubic foot of air	
Clay - Respirable fraction.	TWA	15 millions of particles per cubic foot of air	US. OSHA Table Z-3 (29 CFR 1910.1000), as amended (03 2016)
	TWA	5 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000), as amended (03 2016)
Clay - Total dust.	TWA	15 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000), as amended (03 2016)
1,2,4-Trimethylbenzene	REL	25 ppm 125 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards, as amended (2010)
	TWA	25 ppm 125 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended (1989)
	TWA	25 ppm	US. ACGIH Threshold Limit Values, as amended (2008)
1,3,5-Trimethylbenzene	TWA	25 ppm	US. ACGIH Threshold Limit Values, as amended (2008)
Xylene	PEL	100 ppm 435 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended (02 2006)
	STEL	150 ppm	US. ACGIH Threshold Limit Values, as amended (2008)
	TWA	100 ppm	US. ACGIH Threshold Limit Values, as amended (2008)
Diisobutyl ketone	PEL	50 ppm 290 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended (02 2006)
	TWA	25 ppm	US. ACGIH Threshold Limit Values, as amended (2008)
Tert-Butyl Alcohol	TWA	100 ppm	US. ACGIH Threshold Limit Values, as amended (2011)
	PEL	100 ppm 300 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended (02 2006)
Ethylbenzene	TWA	20 ppm	US. ACGIH Threshold Limit Values, as amended (2011)
	PEL	100 ppm 435 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended (02 2006)

Chemical name	Type	Exposure Limit Values	Source
Acetone	STEL	500 ppm	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Biological Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
	TWA	250 ppm	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Biological Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Acetone	TWA	500 ppm 1,190 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended (09 2017)
	STEL	1,000 ppm 2,380 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended (09 2017)
Acetone	TWA	250 ppm	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (08 2017)
	STEL	500 ppm	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (08 2017)
Tert-Butyl Acetate	STEL	150 ppm	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (01 2020)
	TWA	50 ppm	Canada. Ontario OELs. (Control of Exposure to



			Biological or Chemical Agents), as amended (01 2020)
Tert-Butyl Acetate	STEL	150 ppm	Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended (03 2020)
Tert-Butyl Acetate	STEL	150 ppm	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Biological Substances, Occupational Health and Safety Regulation 296/97, as amended) (01 2021)
	TWA	50 ppm	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Biological Substances, Occupational Health and Safety Regulation 296/97, as amended) (01 2021)
	TWA	50 ppm	Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended (03 2020)
Clay - Respirable.	TWA	2 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Biological Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Clay - Respirable fraction.	TWA	2 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (08 2017)
Clay - Respirable dust.	TWA	2 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended (03 2020)
1,2,4-Trimethylbenzene	TWA	25 ppm 123 mg/m3	Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2), as amended (07 2009)
1,2,4-Trimethylbenzene	TWA	25 ppm	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Biological Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
1,2,4-Trimethylbenzene	TWA	25 ppm	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (11 2010)
1,2,4-Trimethylbenzene	TWA	25 ppm	Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended (03 2020)
1,3,5-Trimethylbenzene	TWA	25 ppm	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Biological Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
1,3,5-Trimethylbenzene	TWA	25 ppm	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (11 2010)
1,3,5-Trimethylbenzene	TWA	25 ppm	Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended (03 2020)
Xylene	STEL	150 ppm	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Biological Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
	TWA	100 ppm	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Biological Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Xylene	STEL	150 ppm	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (11 2010)
	TWA	100 ppm	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (11 2010)
Xylene	TWA	100 ppm 434 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended (09 2017)
	STEL	150 ppm 651 mg/m3	Canada. Quebec OELs. (Ministry of Labor -





			Regulation respecting occupational health and safety), as amended (09 2017)
Diisobutyl ketone	TWA	25 ppm	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Biological Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Diisobutyl ketone	TWA	25 ppm	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (11 2010)
Diisobutyl ketone	TWA	25 ppm 145 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended (09 2017)
Tert-Butyl Alcohol	TWA	100 ppm	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Biological Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Tert-Butyl Alcohol	TWA	100 ppm	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (11 2010)
Tert-Butyl Alcohol	TWA	100 ppm 303 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended (09 2017)
Ethylbenzene	TWA	20 ppm	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Biological Substances, Occupational Health and Safety Regulation 296/97, as amended) (09 2011)
Ethylbenzene	TWA	20 ppm	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (06 2015)
Ethylbenzene	TWA	20 ppm	Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended (03 2020)
Propylene glycol - Aerosol.	TWA	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (11 2010)
Propylene glycol - Vapor and aerosol.	TWA	50 ppm 155 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (06 2015)
Isobutyl alcohol	TWA	50 ppm	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Biological Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Isobutyl alcohol	TWA	50 ppm	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (11 2010)
Isobutyl alcohol	TWA	50 ppm 152 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended (09 2017)
Silica (crystalline-cristobalite) - Respirable fraction.	TWA	0.025 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Biological Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Silica (crystalline-cristobalite) - Respirable fraction.	TWA	0.05 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (06 2015)
Silica (crystalline-cristobalite) - Respirable dust.	TWA	0.05 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended (09 2017)
2-Butoxyethanol (Glycol ether)	TWA	20 ppm	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Biological Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
2-Butoxyethanol (Glycol ether)	TWA	20 ppm	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (11 2010)
2-Butoxyethanol (Glycol ether)	TWA	20 ppm	Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and





safety), as amended (03 2020)

**Biological Limit Values**

Chemical Identity	Exposure Limit Values	Source
Acetone (acetone: Sampling time: End of shift.)	25 mg/l (Urine)	ACGIH BEI (03 2015)
Xylene (Methylhippuric acids: Sampling time: End of shift.)	1.5 g/g (Creatinine in urine)	ACGIH BEI (03 2013)
Ethylbenzene (Sum of mandelic acid and phenylglyoxylic acid: Sampling time: End of shift.)	0.15 g/g (Creatinine in urine)	ACGIH BEI (02 2014)

**Appropriate Engineering Controls**

Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of vapors and mist. Mechanical ventilation or local exhaust ventilation may be required.

**Individual protection measures, such as personal protective equipment****Eye/face protection:**

Wear safety glasses with side shields (or goggles).

**Skin Protection****Hand Protection:**

Additional Information: Use suitable protective gloves if risk of skin contact.

**Skin and Body Protection:**

Wear suitable protective clothing. Wear chemical-resistant gloves, footwear, and protective clothing appropriate for the risk of exposure. Contact health and safety professional or manufacturer for specific information.

**Respiratory Protection:**

In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.

**Hygiene measures:**

Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product. Avoid contact with eyes. When using do not smoke. Wash contaminated clothing before reuse. Avoid contact with skin.

**9. Physical and chemical properties****Appearance****Physical state:**

liquid

**Form:**

liquid

**Color:**

Colorless

**Odor:**

Mild petroleum/solvent

**Odor threshold:**

No data available.

**pH:**

No data available.

**Melting point/freezing point:**

No data available.

**Initial boiling point and boiling range:**

> 35 °C > 95 °F

**Flash Point:**

-18 °C -0.40 °F(Tag closed cup)

**Evaporation rate:**

Slower than Ether



<b>Flammability (solid, gas):</b>	No
<b>Upper/lower limit on flammability or explosive limits</b>	
<b>Flammability limit - upper (%):</b>	12.6 %(V)
<b>Flammability limit - lower (%):</b>	2.6 %(V)
<b>Explosive limit - upper:</b>	No data available.
<b>Explosive limit - lower:</b>	No data available.
<b>Vapor pressure:</b>	No data available.
<b>Vapor density:</b>	Vapors are heavier than air and may travel along the floor and in the bottom of containers.
<b>Relative density:</b>	0.97
<b>Solubility(ies)</b>	
<b>Solubility in water:</b>	Practically Insoluble
<b>Solubility (other):</b>	No data available.
<b>Partition coefficient (n-octanol/water):</b>	No data available.
<b>Auto-ignition temperature:</b>	No data available.
<b>Decomposition temperature:</b>	No data available.
<b>Viscosity:</b>	No data available.

## 10. Stability and reactivity

<b>Reactivity:</b>	No data available.
<b>Chemical Stability:</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions:</b>	No data available.
<b>Conditions to avoid:</b>	Heat, sparks, flames.
<b>Incompatible Materials:</b>	Strong acids. Avoid contact with oxidizing agents (e.g. nitric acid, peroxides and chromates). Strong bases.
<b>Hazardous Decomposition Products:</b>	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

## 11. Toxicological information

### Information on likely routes of exposure

<b>Inhalation:</b>	In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.
<b>Skin Contact:</b>	May be harmful in contact with skin. Causes skin irritation.
<b>Eye contact:</b>	Causes serious eye irritation.
<b>Ingestion:</b>	May be ingested by accident. Ingestion may cause irritation and malaise.

### Symptoms related to the physical, chemical and toxicological characteristics

<b>Inhalation:</b>	No data available.
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**Skin Contact:** No data available.

**Eye contact:** No data available.

**Ingestion:** No data available.

#### Information on toxicological effects

##### Acute toxicity (list all possible routes of exposure)

###### Oral

**Product:** Not classified for acute toxicity based on available data.

###### Specified substance(s):

Acetone	LD 50 (Rat): 5,800 mg/kg
Tert-Butyl Acetate	LD 50 (Rat): 4,100 mg/kg
Clay	LD 50 (Rat): > 5,000 mg/kg
Aromatic petroleum distillates	LD 50 (Rat): > 5,000 mg/kg
1,2,4-Trimethylbenzene	LD 50 (Rat): 3,280 mg/kg
1,3,5-Trimethylbenzene	LD 50 (Rat): 6,000 mg/kg
Xylene	LD 50 (Rat): 3,523 mg/kg
Diisobutyl ketone	LD 50 (Rat): 5,233 mg/kg
Tert-Butyl Alcohol	LD 50 (Rat): 3.5 g/kg
Ethylbenzene	LD 50 (Rat): 3,500 mg/kg

###### Dermal

**Product:** Not classified for acute toxicity based on available data.

**Specified substance(s):**

Acetone	LD 50 (Rabbit): > 7,426 mg/kg
Tert-Butyl Acetate	LD 50 (Rabbit): > 2,000 mg/kg
Clay	LD 50 (Rat): > 5,000 mg/kg
Aromatic petroleum distillates	LD 50 (Rabbit): > 2,000 mg/kg
1,2,4-Trimethylbenzene	LD 50 (Rat): 3,440 mg/kg
Xylene	LD 50 (Rabbit): 12,126 mg/kg
Diisobutyl ketone	LD 50 (Rat): > 2,000 mg/kg
Ethylbenzene	LD 50 (Rabbit): 17,800 mg/kg LD 50 (Rabbit): > 20,000 mg/kg

**Inhalation  
Product:**

ATEmix: 108.99 mg/l  
ATEmix : 1.69 mg/l

**Repeated dose toxicity  
Product:**

No data available.

**Skin Corrosion/Irritation  
Product:**

No data available.

**Specified substance(s):**

Acetone	in vivo (Rabbit): Not irritant , 24 h
Tert-Butyl Acetate	in vivo (Rabbit): Not irritant , 24 h
Aromatic petroleum distillates	in vivo (Rabbit): Irritating , 7 d
1,2,4-Trimethylbenzene	in vivo (Rabbit): Irritating , 24 - 72 h
1,3,5-Trimethylbenzene	in vivo (Rabbit): Irritating
Xylene	in vivo (Rat): Slightly irritating , 24 h
Diisobutyl ketone	in vivo (Rabbit): Not irritant , 24 - 72 h

#### Serious Eye Damage/Eye Irritation

**Product:** No data available.

##### Specified substance(s):

Acetone	Irritating
Tert-Butyl Acetate	Rabbit, 24 hrs: Not irritant
Aromatic petroleum distillates	Rabbit, 24 - 72 hrs: Minimal irritant
1,2,4-Trimethylbenzene	Rabbit, 30 min: Not irritant
1,3,5-Trimethylbenzene	Rabbit, 30 min: Not irritant
Xylene	Rabbit, 24 hrs: Moderately irritating Rabbit, 1 hrs: Not irritant
Diisobutyl ketone	Rabbit, 24 - 72 hrs: Not irritant

#### Respiratory or Skin Sensitization

**Product:** No data available.

#### Carcinogenicity

**Product:** May cause cancer.

#### IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

Ethylbenzene	Overall evaluation: Possibly carcinogenic to humans.
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#### US. National Toxicology Program (NTP) Report on Carcinogens:

No carcinogenic components identified

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050), as amended:**

No carcinogenic components identified

**Germ Cell Mutagenicity**

**In vitro**

**Product:** No data available.

**In vivo**

**Product:** No data available.

**Reproductive toxicity**

**Product:** No data available.

**Specific Target Organ Toxicity - Single Exposure**

**Product:** No data available.

**Specific Target Organ Toxicity - Repeated Exposure**

**Product:** No data available.

**Target Organs**

Specific Target Organ Toxicity - Single Exposure: Narcotic effect.

**Aspiration Hazard**

**Product:** No data available.

**Other effects:**

Constituents of this product may include crystalline silica which, if in inhalable form, may cause silicosis, a form of progressive pulmonary fibrosis. Inhalable crystalline silica is listed by IARC as a group I carcinogen (lung) based on sufficient evidence in occupationally exposed humans and sufficient evidence in animals. Crystalline silica is also listed by the NTP as a known human carcinogen. Constituents may also contain asbestiform or non-asbestiform tremolite or other silicates as impurities, and above de minimis exposure to these impurities in inhalable form may be carcinogenic or cause other serious lung problems.

**12. Ecological information**

**Ecotoxicity:**

**Acute hazards to the aquatic environment:**

**Fish**

**Product:** No data available.

**Specified substance(s):**

Acetone

LC 50 (Pimephales promelas, 96 h): 6,210 mg/l Experimental result, Key study

Tert-Butyl Acetate	LC 50 (Oncorhynchus mykiss, 96 h): 240 mg/l Experimental result, Key study
1,2,4-Trimethylbenzene	LC 50 (Pimephales promelas, 96 h): 7.72 mg/l Experimental result, Key study
Xylene	LC 50 (Fathead minnow (Pimephales promelas), 96 h): 13.41 mg/l Mortality
Diisobutyl ketone	LC 50 (Oncorhynchus mykiss, 96 h): 30 mg/l Experimental result, Key study
Tert-Butyl Alcohol	LC 50 (Pimephales promelas, 96 h): > 961 mg/l Experimental result, Key study
Ethylbenzene	LC 50 (Oncorhynchus mykiss, 96 h): 4.2 mg/l Experimental result, Key study

**Aquatic Invertebrates  
Product:**

No data available.

**Specified substance(s):**

Acetone	EC 50 (Water flea (Daphnia magna), 48 h): 10,294 - 17,704 mg/l Intoxication
Tert-Butyl Acetate	EC 50 (Daphnia magna, 48 h): 350 mg/l experimental result Experimental result, Key study
Aromatic petroleum distillates	EC 50 (Daphnia magna, 48 h): 4.5 mg/l experimental result Experimental result, Key study
1,2,4-Trimethylbenzene	LC 50 (Daphnia magna, 48 h): 3.6 mg/l experimental result Experimental result, Key study
1,3,5-Trimethylbenzene	LC 50 (Daphnia magna, 48 h): 6 mg/l experimental result Experimental result, Key study
Diisobutyl ketone	EC 50 (Daphnia magna, 48 h): 37.2 mg/l experimental result Experimental result, Key study
Tert-Butyl Alcohol	EC 50 (Daphnia magna, 48 h): 933 mg/l experimental result Experimental result, Key study
Ethylbenzene	EC 50 (Daphnia magna, 48 h): 1.8 - 2.4 mg/l experimental result Experimental result, Key study

**Chronic hazards to the aquatic environment:**

**Fish**

**Product:** No data available.

**Aquatic Invertebrates  
Product:**

No data available.

**Specified substance(s):**

Acetone	NOAEL (Daphnia magna): 2,212 mg/l experimental result Experimental result, Key study
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Aromatic petroleum distillates	EC 50 (Daphnia magna): 10 mg/l experimental result Experimental result, Key study
1,3,5-Trimethylbenzene	NOAEL (Daphnia magna): 0.4 mg/l experimental result Experimental result, Key study
Ethylbenzene	NOAEL (Ceriodaphnia dubia): 1 mg/l secondary data Other, Key study

**Toxicity to Aquatic Plants  
Product:**

No data available.

**Persistence and Degradability**

**Biodegradation  
Product:**

No data available.

**Specified substance(s):**

Acetone	90.9 % (28 d) Detected in water. Experimental result, Key study
Tert-Butyl Acetate	50 % Detected in water. Experimental result, Key study
1,3,5-Trimethylbenzene	50 % (4.4 d) Detected in water. QSAR, Key study
Diisobutyl ketone	88 % Detected in water. Experimental result, Key study
Tert-Butyl Alcohol	87 % (56 d) Detected in water. Experimental result, Key study
Ethylbenzene	70 - 80 % (28 d) Detected in water. Experimental result, Key study

**BOD/COD Ratio  
Product:**

No data available.

**Bioaccumulative potential**

**Bioconcentration Factor (BCF)  
Product:**

No data available.

**Specified substance(s):**

Aromatic petroleum distillates	Bioconcentration Factor (BCF): 10 - 2,500 Aquatic sediment Estimated by calculation, Key study
1,2,4-Trimethylbenzene	Pimephales promelas, Bioconcentration Factor (BCF): 243 Aquatic sediment QSAR, Key study
1,3,5-Trimethylbenzene	Pimephales promelas, Bioconcentration Factor (BCF): 161 Aquatic sediment QSAR, Key study
Xylene	Oncorhynchus mykiss, Bioconcentration Factor (BCF): > 8.1 - < 25.9 Aquatic sediment Experimental result, Key study
Ethylbenzene	Oncorhynchus kisutch, Bioconcentration Factor (BCF): 1 Aquatic sediment Other, Key study

**Partition Coefficient n-octanol / water (log Kow)**

<b>Product:</b>	No data available.
<b>Specified substance(s):</b>	
Acetone	Log Kow: -0.24
Tert-Butyl Acetate	Log Kow: 1.76
1,2,4-Trimethylbenzene	Log Kow: 3.78
1,3,5-Trimethylbenzene	Log Kow: 3.42
Xylene	Log Kow: 2.77 - 3.15 No Not specified, Not specified
Diisobutyl ketone	Log Kow: 2.56
Tert-Butyl Alcohol	Log Kow: 0.35
Ethylbenzene	Log Kow: 3.15 Log Kow: 3.13 - 3.14 No Other, Supporting study

**Mobility in soil:** No data available.

**Other adverse effects:** Harmful to aquatic life with long lasting effects.

### 13. Disposal considerations

**Disposal methods:** Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

**Contaminated Packaging:** No data available.

### 14. Transport information

**TDG:**

UN1139, COATING SOLUTION, 3, PG II

**CFR / DOT:**

UN1139, Coating solution, 3, PG II

**IMDG:**

UN1139, COATING SOLUTION, 3, PG II

**Further Information:**

The above shipping description may not be accurate for all container sizes and all modes of transportation. Please refer to Bill of Lading.

### 15. Regulatory information

**US Federal Regulations**

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

None present or none present in regulated quantities.

**US. Toxic Substances Control Act (TSCA) Section 5(a)(2) Final Significant New Use Rules (SNURs) (40 CFR 721, Subpt E)**

None present or none present in regulated quantities.

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050), as amended**

<u>Chemical Identity</u>	<u>OSHA hazard(s)</u>
Silica (crystalline-cristobalite)	kidney effects Cancer immune system effects lung effects

**CERCLA Hazardous Substance List (40 CFR 302.4):**

<u>Chemical Identity</u>	<u>Reportable quantity</u>
Acetone	5000 lbs.
Tert-Butyl Acetate	5000 lbs.
Xylene	100 lbs.
Tert-Butyl Alcohol	100 lbs.
Ethylbenzene	1000 lbs.
Isobutyl alcohol	5000 lbs.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories**

Fire Hazard  
Immediate (Acute) Health Hazards  
Delayed (Chronic) Health Hazard  
Flammable (gases, aerosols, liquids, or solids)  
Acute toxicity (any route or exposure)  
Skin Corrosion or Irritation  
Serious eye damage or eye irritation  
Germ Cell Mutagenicity  
Carcinogenicity  
Specific target organ toxicity (single or repeated exposure)  
Hazards Not Otherwise Classified (HNOC)

**US. EPCRA (SARA Title III) Section 304 Extremely Hazardous Substances Reporting Quantities and the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Hazardous Substances**

**US. EPCRA (SARA Title III Section 313 Toxic Chemical Release Inventory (TRI) Reporting**

<u>Chemical Identity</u>	<u>% by weight</u>
1,2,4-Trimethylbenzene	1.0%
Ethylbenzene	0.1%

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

None present or none present in regulated quantities.

**Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)**

<u>Chemical Identity</u>	<u>Reportable quantity</u>
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Xylene

Reportable quantity: 100 lbs.

## US State Regulations

### US. California Proposition 65



#### **WARNING**

Cancer - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

## International regulations

### **Montreal protocol**

Not applicable

### **Stockholm convention**

Not applicable

### **Rotterdam convention**

Not applicable

### **Kyoto protocol**

Not applicable

### **VOC:**

Regulatory VOC (less water and exempt solvent) : 294 g/l

VOC Method 310 : 35.92 %

**Inventory Status:**

Australia AICS:	One or more components in this product are not listed on or exempt from the Inventory.
EINECS, ELINCS or NLP:	One or more components in this product are not listed on or exempt from the Inventory.
Japan (ENCS) List:	One or more components in this product are not listed on or exempt from the Inventory.
China Inv. Existing Chemical Substances:	One or more components in this product are not listed on or exempt from the Inventory.
Korea Existing Chemicals Inv. (KECI):	One or more components in this product are not listed on or exempt from the Inventory.
Canada NDSL Inventory:	One or more components in this product are not listed on or exempt from the Inventory.
Philippines PICCS:	One or more components in this product are not listed on or exempt from the Inventory.
New Zealand Inventory of Chemicals:	One or more components in this product are not listed on or exempt from the Inventory.
Japan ISHL Listing:	One or more components in this product are not listed on or exempt from the Inventory.
Japan Pharmacopoeia Listing:	One or more components in this product are not listed on or exempt from the Inventory.
Canada DSL Inventory List:	All components in this product are listed on or exempt from the Inventory.
Ontario Inventory:	One or more components in this product are not listed on or exempt from the Inventory.
Mexico INSQ:	One or more components in this

product are not listed on or exempt  
from the Inventory.

Taiwan Chemical Substance Inventory: One or more components in this  
product are not listed on or exempt  
from the Inventory.

US TSCA Inventory: All components in this product are  
listed on or exempt from the  
Inventory.

<b>16. Other information, including date of preparation or last revision</b>
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**Revision Date:** 11/12/2022

**Version #:** 2.1

**Further Information:** No data available.

**Disclaimer:** For Industrial Use Only. Keep out of Reach of Children. The hazard  
information herein is offered solely for the consideration of the user, subject  
to their own investigation of compliance with applicable regulations, including  
the safe use of the product under every foreseeable condition.