

## 1. PRODUCT AND COMPANY IDENTIFICATION

### 1.1 Product identifier

**Product Name:** Crack Filler

### 1.2 Relevant Identified uses of the substance or mixture and uses advised against

**Identified uses:** Adhesives

### 1.3 Details of the supplier of the safety data sheet

**Company Name :** C.R. Laurence Co., Inc.  
2503 E. Vernon Avenue  
Los Angeles, CA 90058-1897  
(800) 421-6144

**CRL Cat. No.'s:** CCH12 and CCH1

**Emergency telephone number CHEMTREC:** 1-800-424-9300 (24/7)

**Issue Date:** 2020-08-07

**Revision Date:** 2020-08-06

**Version:** 5

## 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture Classification (Reg. 1272/2008)

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 1
Skin sensitization	Category 1
Specific target organ toxicity (single exposure)	Category 3

**Physical hazards:** None

**Target Organ Effects:** Respiratory system, EYES, Skin

### 2.1 Classification according to EU Directives 67/548/EEC or 1999/45/EC

The substance/preparation is classified as dangerous in accordance with Directive(s) 67/548/EEC with amendments and/or 1999/45/EC with amendments

**Symbol(s) :** Xi - Irritant

**Classification Labeling:** Xi;R36/37/38- R43

**Labeling:** Contains 2-Hydroxyethyl methacrylate , Benzyl Methacrylate

## 2. HAZARDS IDENTIFICATION (CONT.)

### 2.2 Label elements



Signal word: **Danger**

### Hazard Statements

- H315 - Causes skin irritation
- H317 - May cause an allergic skin reaction
- H318 - Causes serious eye damage
- H335 - May cause respiratory irritation

### Precautionary Statements

- P280 - Wear protective gloves/protective clothing/eye protection/face protection
- P264 - Wash face, hands and any exposed skin thoroughly after handling
- P272 - Contaminated work clothing should not be allowed out of the workplace
- P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- P310 - Immediately call a POISON CENTER or doctor/physician
- P302 + P352 - IF ON SKIN: Wash with plenty of soap and water
- P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention
- P321 - Specific treatment (see supplemental first aid instruction on this label)
- P261 - Avoid breathing dust/fume/gas/mist/vapors/spray
- P271 - Use only outdoors or in a well-ventilated area
- P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
- P312 - Call a POISON CENTER or doctor if you feel unwell
- P403 + P233 - Store in a well-ventilated place. Keep container tightly closed
- P405 - Store locked up
- P273 - Avoid release to the environment
- P391 - Collect spillage
- P501 - Dispose of contents/container to an approved waste disposal plant

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 Substances

The ingredients listed in this section have been determined to be hazardous and above threshold limits Hazardous

Chemical Name	EC-No	CAS No	Weight-%	Classification (67/548)	Classification (Reg.1272/2008)
Benzyl Methacrylate	219-674-4	2495-37-6	25-49	Xi; R36/37/38	STOT SE 3 (H335) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319)
2-Hydroxyethyl methacrylate	212-782-2	868-77-9	15-24	Xi: R36/38 R43	Skin Irrit. 2 (H315) Eye Irrit. 2A (H319) Skin Sens. 1 (H317)
Isobornyl Acrylate	227-561-6	5888-33-5	15-24	Xi; R36/37/38 N;R51-53	STOT SE 3 (H335) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Aquatic Acute 2 (H401) Aquatic Chronic 2 (H411)
Octyl acrylate	219-696-4	2499-59-4	5-14	Xi:R36/37/38 N;R51-53	STOT SE 3 (H335) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Aquatic Chronic 2 (H411)
Decyl acrylate	218-462-9	2156-96-9	5-14	Xi:R36/37/38 N;R51-53	STOT SE 3 (H335) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Aquatic Chronic 2 (H411)
Acrylic acid	201-177-9	79-10-7	1-4	R10 Xn;R20/21/22 C;R35 N;R50	Flam. Liq. 3 (H226) Acute Tox. 4 (H302) Acute Tox. 4 (H312) Acute Tox. 4 (H332) Skin Corr. 1A (H314) STOT SE 3 H335) Aquatic Acute 1 (H400)
Gama-Glycidoxypopyl-trimethoxysilane	219-784-2	2530-83-8	1-4	Xi;R41	Eye Dam. 1 (H318)

Remaining ingredients are not considered hazardous in accordance with the Globally Harmonized System (GHS)

**For the Full text of the R-phrases mentioned in this Section, see Section 16**

## 4. FIRST AID MEASURES

### 4.1 Description of first-aid measures

#### **General advice**

IN CASE OF SERIOUS OR PERSISTENT CONDITIONS, CALL A DOCTOR OR EMERGENCY MEDICAL CARE.

#### **Eye contact**

Flush eyes with water for at least 15 minutes. Get medical attention if eye irritation develops or persists

#### **Skin Contact**

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes

#### **Ingestion**

Get medical attention

#### **Inhalation**

Remove to fresh air. If symptoms persist, call a physician

#### **Self-protection of the first aider**

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves

### 4.2 Most important symptoms and effects, both acute and delayed

#### **Main Symptoms**

None

### 4.3 Indication of any immediate medical attention and special treatment needed

#### **Note to physicians**

Treat symptomatically

## 5. FIRE FIGHTING MEASURES

### 5.1 Extinguishing media

#### **Suitable extinguishing media**

Use CO<sub>2</sub>, dry chemical, or foam

#### **Extinguishing media which shall not be used for safety reasons**

Do not use a solid water stream as it may scatter and spread fire

### 5.2 Special hazards arising from the substance or mixture

#### **Hazardous combustion products**

Hazardous decomposition products due to incomplete combustion

#### **Specific hazards arising from the chemical**

Carbon dioxide (CO<sub>2</sub>), carbon monoxide (CO), oxides of nitrogen (NO<sub>x</sub>), dense black smoke

### 5.3 Advice for firefighters

#### **Special protective equipment for fire-fighters**

Wear self-contained breathing apparatus and protective suit

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

#### **Personal precautions**

Ensure adequate ventilation, Wear protective gloves/clothing and eye/face protection.

### 6.2 Environmental precautions

#### **Environmental precautions**

Local authorities should be advised if significant spillages cannot be contained. Try to prevent the material from entering drains or water courses.

### 6.3 Methods and materials for containment and cleaning up

#### **Methods for cleaning up**

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust)

#### **Methods for Containment**

Prevent further leakage or spillage if safe to do so

#### **Other Information**

See Section 12 for additional information

## SECTION 7: HANDLING AND STORAGE

### 7.1 Precautions for safe handling

#### **Advice on safe handling**

Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation and protect from light

### 7.2 Conditions for safe storage, including any incompatibilities

#### **Technical measures and storage conditions**

Keep container tightly closed in a dry and well-ventilated place, Protect from light

### 7.3 Specific end uses

#### **Exposure scenario**

No information available

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

## 8.1 Control parameters

## Exposure Limits

Chemical Name	European Union	The United Kingdom	Denmark	France	Finland
Acrylic acid			TWA 2 ppm TWA 5.9 mg/m <sup>3</sup> H*	TWA 2 ppm TWA 6 mg/m <sup>3</sup> STEL 10 ppm STEL 30 mg/m <sup>3</sup>	TWA 2 ppm TWA 6 mg/m <sup>3</sup> STEL 15 ppm STEL 45 mg/m <sup>3</sup>

Chemical Name	Ireland	Norway	Poland	Portugal	Switzerland
Benzyl Methacrylate					S+
2-Hydroxyethyl methacrylate		TWA 2 ppm TWA 11 mg/m <sup>3</sup> A+ STEL 4 ppm STEL 16.5 mg/m <sup>3</sup>			S+
Isobornyl Acrylate					S+
octyl acrylate					S+
decyl acrylate					S+
Acrylic acid	TWA 2 ppm TWA 6 mg/m <sup>3</sup> STEL 6 ppm STEL 18 mg/m <sup>3</sup>	TWA 10 ppm TWA 30 mg/m <sup>3</sup> STEL 10 ppm STEL 30 mg/m <sup>3</sup>	TWA 10 mg/m <sup>3</sup> STEL 29.5 mg/m <sup>3</sup>	TWA 2 ppm C (A4) P*	SS-C** TWA 10 ppm TWA 30 mg/m <sup>3</sup> STEL 10 ppm STEL 30 mg/m <sup>3</sup>

Chemical Name	Germany	The Netherlands	Austria	Italy	Spain
Acrylic acid	AGW 10 ppm AGW 30 mg/m <sup>3</sup>				TWA 2 ppm TWA 6 mg/m <sup>3</sup> S*

Derived No Effect Level (DNEL)

No information available

Predicted No Effect Concentration (PNEC)

No information available

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (CONT.)

### 8.2 Exposure controls

#### Occupational Exposure Controls

##### Engineering Measures

Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

##### Hygiene Measures

When using do not eat, drink or smoke, Wear suitable gloves and eye/face protection, Wash hands before breaks and at the end of workday, Wash hands with water as a precaution, Regular cleaning of equipment, work area and clothing is recommended, Avoid breathing vapors, mist or gas.

### 8.3 Personal protective equipment

#### General Information

Use personal protective equipment in good condition.

#### Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

#### Eye Protection

Safety glasses with side-shields, If splashes are likely to occur, wear:, Goggles.

#### Skin and body protection

Long sleeved clothing, Apron, Impervious gloves.

#### Hand Protection

Nitrile rubber, Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion.

### 8.4 Environmental Exposure Controls

Do not allow material to contaminate ground water system.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Physical state	liquid
Appearance	transparent
Color	colorless
Odor	Characteristic
Odor threshold	No information available

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (CONT.)**

<b>Property</b>	<b>Values</b>	<b>Remarks/-Method</b>
pH		No information available
Melting point   freezing point		No information available
Boiling point   boiling range		No information available
Flash point	101°C / 214°F	
Evaporation rate		No information available
Flammability (solid, gas)		No information available
Flammability Limit in Air		No information available
Upper flammability limit		
Lower flammability limit		
Vapor pressure		No information available
Vapor density		No information available
Relative density		No information available
Specific Gravity		No information available
Water Solubility	Practically insoluble	
Solubility in other solvents		No information available
Partition coefficient: n-octanol/water		No information available
Autoignition temperature		No information available
Decomposition temperature		No information available
Dynamic viscosity		
Explosive properties		No information available
Oxidizing Properties		No information available

**9.2 Other Information**

Softening point	No information available
Molecular weight	No information available
VOC Content (%)	No information available
Density	No information available
Bulk Density	No information available

**SECTION 10: STABILITY AND REACTIVITY****10.1 Reactivity****Reactivity**

No dangerous reaction known under conditions of normal use

**10.2 Chemical stability****Stability**

Stable under normal conditions.



## SECTION 10: STABILITY AND REACTIVITY (CONT.)

### 10.3 Possibility of Hazardous Reactions

#### **Hazardous polymerization**

None under normal processing

#### **Hazardous Reactions**

None under normal processing

### 10.4 Conditions to avoid

#### **Conditions to avoid**

Heat, flames and sparks, Protect from light.

### 10.5 Incompatible materials

#### **Materials to Avoid**

Amines, Oxygen scavengers, Strong oxidizing agents, Strong acids, Strong bases, Thiosulfates.

### 10.6 Hazardous Decomposition Products

#### **Hazardous Decomposition Products**

No decomposition if stored and applied as directed.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

#### **Acute toxicity**

#### **Product Information**

Product does not present an acute toxicity hazard based on known or supplied information

<b>Inhalation</b>	There is no data for this product
<b>Eye contact</b>	There is no data for this product
<b>Skin Contact</b>	There is no data for this product
<b>Ingestion</b>	There is no data for this product

### 11.2 Delayed and Immediate effects as well as chronic effects from short and long-term exposure

<b>Skin corrosion/irritation</b>	No information available
<b>Serious eye damage/eye irritation</b>	No information available
<b>Irritation</b>	No information available
<b>Corrosivity</b>	No information available
<b>Sensitization</b>	May cause sensitization of susceptible persons
<b>Mutagenic effects</b>	No information available
<b>Reproductive toxicity</b>	No information available
<b>Carcinogenic effects</b>	Contains no ingredient listed as a carcinogen

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

<b>STOT - single exposure</b>	No information available
<b>STOT - repeated exposure</b>	No information available
<b>Target Organ Effects</b>	Respiratory system, EYES, Skin.
<b>Aspiration hazard</b>	No information available
<b>Symptoms</b>	No information available
<b>Other adverse effects</b>	No information available
<b>Chronic toxicity</b>	Repeated contact may cause allergic reactions in very susceptible persons Avoid repeated exposure

**11.3 Numerical measures of toxicity -Product Information**

0% of the mixture consists of ingredient(s) of unknown toxicity

The following values are calculated based on chapter 3.1 of the GHS document

<b>ATEmlx (oral)</b>	5679 mg/kg
<b>ATEmix (dermal)</b>	7335 mg/kg
<b>ATEmix (inhalation-vapor)</b>	248.9 mg/L
<b>ATEmix (inhalation-dust/mist)</b>	33.6 mg/L

**Component Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
2-Hydroxyethyl methacrylate	= 5050 mg/kg ( Rat )	> 3000 mg/kg ( Rabbit )	
Isobornyl Acrylate	= 4890 mg/kg ( Rat )	> 5 g/kg ( Rabbit )	
octyl acrylate	> 2000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	
decyl acrylate	> 2000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	
Acrylic acid	= 193 mg/kg (Rat) = 33500 µg/kg (Rat)	= 280 µL/kg ( Rabbit ) = 295 mg/kg ( Rabbit )	= 5300 mg/m <sup>3</sup> ( Rat ) 2 h
gamma-Glycidioxypropyltrimethoxysilane	= 22600 µL/kg (Rat)	= 3970 µL/kg ( Rabbit )	

**SECTION 12: ECOLOGICAL INFORMATION****12.1 Toxicity****Ecotoxicity effects**

Experiments with similar products indicate no serious harmful effects on aquatic organisms

0% of the mixture consists of component(s) of unknown hazards to the aquatic environment

**Acute aquatic toxicity****Product Information**

Testing for acute and chronic aquatic effects determined no environmental classification is required.

**SECTION 12: ECOLOGICAL INFORMATION (CONT.)****Component Information**

Chemical Name	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates	Toxicity to algae
Benzyl Methacrylate	LD50 4.25 - 5.13 mg/L 96 h (Pimephales promelas)		
2-Hydroxyethyl methacrylate	LC50 = 227 mg/L 96 h (Pimephales promelas)	EC50 > 380 mg/L 48 h (Daphnia magna)	
Isobornyl Acrylate	LC50 = 1.8 mg/L 96 h (Danio rerio)	EC50 = 1.1 mg/L 48 h (Daphnia magna)	ErC 50= 2.7 mg/L 96 h (Pseudokirchneriella subcapitata)
Acrylic acid	LC50 = 222 mg/L 96 h (Brachydanio rerio)	EC50 = 95 mg/L 48 h	ECSO 0.04 mg/L 72 h (Desmodesmus subspicatus)

**12.2 Persistence and degradability**

No product level data available

**12.3 Bioaccumulative potential**

Component Information

Chemical Name	log Pow
2-Hydroxyethyl methacrylate	0.47
Isobornyl Acrylate	4.21
Acrylic acid	0.46

**12.4 Mobility in soil**

No product level data available

**12.5 Results of PBT and vPvB assessment**

No product level data available

**12.6 Other adverse effects**

None

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

#### Waste from residues / unused products

Should not be released into the environment, Dispose of in accordance with the European Directives on waste and hazardous waste.

#### Contaminated packaging

Empty containers should be taken to an approved waste handling site for recycling or disposal

#### Other Information

According to the European Waste Catalogue, Waste Codes are not product specific, but application specific Waste codes should be assigned by the user based on the application for which the product was used

## SECTION 14: TRANSPORT INFORMATION

**ADR/RID** Not regulated

**IMDG/IMO** Not regulated

**ICAO/IATA** Not regulated

## SECTION 15: REGULATORY INFORMATION

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

#### WGK Classification

Water endangering class= 1 (self classification)

#### International Inventories

The components of this product are included on the following inventories or exempt from listing:

<b>AICS</b>	Not listed
<b>DSL/NDSL</b>	Complies
<b>IECSC</b>	Complies
<b>EINECS/ELINCS</b>	Complies
<b>ENCS</b>	Complies
<b>KECL</b>	Complies
<b>PICCS</b>	Not listed
<b>NZIoC</b>	Not listed
<b>ECSI</b>	Not listed
<b>TSCA</b>	Complies

#### Legend

**AICS** -Australian Inventory of Chemical Substances

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**IECSC** - China Inventory of Existing Chemical Substances

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**NZIoC** - New Zealand Inventory of Chemicals

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**ECSI** -Taiwan Existing Substance Inventory

**TSCA**- United States Toxic Substances Control Act Section 8(b) Inventory

## SECTION 15: REGULATORY INFORMATION (CONT.)

### **15.2 Chemical Safety Assessment**

No information available

## SECTION 16: OTHER INFORMATION

### **Full text of H-Statements referred to under sections 2 and 3**

H335 - May cause respiratory irritation  
H315 - Causes skin irritation  
H319- Causes serious eye irritation  
H411 -Toxic to aquatic life with long lasting effects  
H318 - Causes serious eye damage  
H401 -Toxic to aquatic life  
H225 - Highly flammable liquid and vapor  
H301 -Toxic if swallowed  
H311 -Toxic in contact with skin  
H331 -Toxic if inhaled  
H370- Causes damage to organs (a,b,c) if inhaled  
H226 - Flammable liquid and vapor  
H302 - Harmful if swallowed  
H312- Harmful in contact with skin  
H332 - Harmful if inhaled  
H314- Causes severe skin burns and eye damage  
H400 -Very toxic to aquatic life  
H317- May cause an allergic skin reaction

### **Full text of R-phrases referred to under sections 2 and 3**

R43 - May cause sensitization by skin contact  
R35 - Causes severe burns  
R10- Flammable  
R36- Irritating to eyes  
R36/38 - Irritating to eyes and skin  
R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment  
R36/37/38 - Irritating to eyes, respiratory system and skin  
R20/21/22- Harmful by inhalation, in contact with skin and if swallowed  
R50/53 -Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

**Revision Data** 2020-08-07

**Revision Note** Not applicable.

This material safety data sheet complies with the requirements of Regulation (EC) No.1907/2006

### **Disclaimer**

This information is furnished without warranty, express or implied. This information is believed to be accurate to the best knowledge of CRL and its subsidiaries and affiliates (CRL). The information in this SDS relates only to the specific material designated herein. CRL assumes no legal responsibility for use of or reliance upon the information in the SDS.