

SAFETY DATA SHEET



WEICONLOCK AN 306-03

Section 1. Identification

GHS product identifier : WEICONLOCK AN 306-03
Product code : 306030
Other means of identification : Not available.
Color : Green.
Product type : Liquid.

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

Identified uses

Adhesives-Anaerobic

Uses advised against

Not applicable.

Supplier's details : WEICON GmbH & Co. KG
Königsberger Str. 255,
48157 Münster, Germany
phone:+49 251 93220,
email: info@weicon.de,
URL: www.weicon.de

e-mail address of person responsible for this SDS : msds@weicon.de

Emergency telephone number (with hours of operation) : +1 202 464 2554
TRANSPORT (24 Hours/Day): +1 202 464 2554

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 : SKIN IRRITATION - Category 2
SERIOUS EYE DAMAGE - Category 1
SKIN SENSITIZATION - Category 1
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3

GHS label elements

Hazard pictograms



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

Prevention : P271 - Use only outdoors or in a well-ventilated area.
P280 - Wear protective gloves. Wear eye or face protection.

Response : P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Section 2. Hazards identification

Storage	: Not applicable.
Disposal	: P501 - Dispose of waste according to applicable legislation.
Hazards not otherwise classified	: None known.
Hazards identified when used	: No known significant effects or critical hazards.

Section 3. Composition/information on ingredients

Substance/mixture	: Mixture
Other means of identification	: Not available.

Ingredient name	Synonyms	%	Identifiers
2-hydroxyethyl methacrylate	2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester; Methacrylic acid, 2-hydroxyethyl ester; 2-Methyl-2-propenoic acid, 2-Hydroxyethyl ester; HEMA; methacrylic acid, monoester with ethyleneglycol; Hydroxyethyl methacrylate; Ethylene glycol monomethacrylate; Ethylene glycol methacrylate; 2-Methyl-2-propenoic acid 2-hydroxyethyl ester; Methacrylic acid 2-hydroxyethyl ester; 2-Hydroxyalkyl(C2-8) methacrylate	≥10 - ≤30	CAS: 868-77-9
exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl methacrylate	2-Propenoic acid, 2-methyl-, (1R, 2R,4R)-1,7,7-trimethylbicyclo [2.2.1]hept-2-yl ester, rel-; 2-Propenoic acid, 2-methyl-, 1,7,7-trimethylbicyclo[2.2.1]hept-2-yl ester, exo-; Methacrylic acid, isobornyl ester; rel-(1S,2S,4S) -1,7,7-trimethylbicyclo[2.2.1]hept-2-yl 2-methylprop-2-enoate; isobornyl methacrylate; Bornan-2-yl methacrylate; rel-(1R,2R,4R) -1,7,7-Trimethylbicyclo[2.2.1] heptan-2-yl methacrylate; rel-(1R, 2R,4R)-Bornan-2-yl methacrylate; 2-Bornyl methacrylate; 2-Methyl-2-propenoic acid exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl ester; METHACRYLATE, ISOBORNYL	≥10 - ≤30	CAS: 7534-94-3
(2,4,6-trioxo-1,3,5-triazine-1,3,5(2H,4H,6H)-triy)tri-2,1-ethanediyl triacrylate	2-Propenoic acid, 1,1',1"-[(2,4,6-trioxo-1,3,5-triazine-1,3,5(2H,4H,6H)-triy)tri-2,1-ethanediyl] ester; 2-Propenoic acid, (2,4,6-trioxo-1,3,5-triazine-1,3,5(2H,4H,6H)-triy)tri-2,1-ethanediyl ester; 2-Propenoic acid, [2,4,6-trioxo-1,3,5-triazine-1,3,5(2H,4H,6H)-triy]tri-2,1-ethanediyl ester; Tris(2-hydroxyethyl) isocyanurate, triacrylate;	≥1 - ≤5	CAS: 40220-08-4

Section 3. Composition/information on ingredients

<p>α,α-dimethylbenzyl hydroperoxide</p>	<p>(2,4,6-trioxo-1,3,5-triazinane-1,3,5-triyl)triethane-2,1-diyl trisprop-2-enoate; (2,4,6-Trioxo-1,3,5-triazinane-1,3,5-triyl)triethylene triacrylate; Tris[2-(acryloyloxy)ethyl] isocyanurate; Tris(2-hydroxyethyl)isocyanuric acid acrylate; acrylic acid ester of tris(2-hydroxyethyl)isocyanuric acid; 2,2',2''-(2,4,6-trioxo-1,3,5-triazinane-1,3,5-triyl)triethyl triacrylate</p> <p>cumene hydroperoxide; Hydroperoxide, 1-methyl-1-phenylethyl; Hydroperoxide, .alpha.,.alpha.-dimethylbenzyl; Hydroperoxide, 1-methyl-1-phenylethyl 90-98%, cumene 2-10%; Hydroperoxide, alpha, alpha-dimethylbenzyl-; ALPHA, ALPHA-DIMETHYLBENZYLHYDROPEROXIDE; HYDROPEROXIDE, 1-METHYL-1-PHENYLETHYL-; .alpha.,.alpha.-Dimethylbenzylhydroperoxide (R); Hydroperoxide, 1-methyl-1-phenylethyl- (R); 1-Methyl-1-phenylethyl hydroperoxide; Cumyl hydroperoxide</p>	<p>$\geq 1 - \leq 5$</p>	<p>CAS: 80-15-9</p>
<p>acrylic acid</p>	<p>prop-2-enoic acid; 2-Propenoic acid; Glacial acrylic acid; Ethylenecarboxylic acid; Aqueous acrylic acid; Acroleic acid; ACRYLIC ACID (GLACIAL); Acroleic acid, stabilized; Propenoic acid, stabilized; Acrylic Acid, Stabilized; Acrylic acid (I)</p>	<p>$\geq 1 - \leq 5$</p>	<p>CAS: 79-10-7</p>
<p>ethylene dimethacrylate</p>	<p>2-Propenoic acid, 2-methyl-, 1,1'-(1,2-ethanediyl) ester; 2-Propenoic acid, 2-methyl-, 1,2-ethanediyl ester; 1,2-Ethanediyl bis[2-methyl-2-propenoate; Ethylene glycol, dimethacrylate; Ethylene glycol dimethacrylate; Methacrylic acid, ethylene ester; GLYCOL DIMETHACRYLATE; methacrylic acid, diester with ethyleneglycol; EGDMA; 2-Methyl-2-propenoic acid 1,2-ethanediyl ester; Alkylene (C2-6) dimethacrylate</p>	<p>$\geq 0.1 - \leq 1$</p>	<p>CAS: 97-90-5</p>

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 and hence require reporting in this section.

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

Section 4. First aid measures

Description of necessary first aid measures

- Eye contact** : Get medical attention immediately. Call a poison center or physician. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician.
- Inhalation** : Get medical attention immediately. Call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
- Skin contact** : Get medical attention immediately. Call a poison center or physician. Wash 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. Chemical burns must be treated promptly by a physician. In the event of any complaints or symptoms, avoid further exposure. 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. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Most important symptoms/effects, acute and delayed

Potential acute health effects

- Eye contact** : Causes serious eye damage.
- Inhalation** : May cause respiratory irritation.
- Skin contact** : Causes skin irritation. May cause an allergic skin reaction.
- Ingestion** : No known significant effects or critical hazards.

Over-exposure signs/symptoms

- Eye contact** : Adverse symptoms may include the following:
pain
watering
redness
- Inhalation** : Adverse symptoms may include the following:
respiratory tract irritation
coughing
- Skin contact** : Adverse symptoms may include the following:
pain or irritation
redness
blistering may occur
- Ingestion** : Adverse symptoms may include the following:
stomach pains

Indication of immediate medical attention and special treatment needed, if necessary

- Notes to physician** : In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
- Specific treatments** : No specific treatment.

Section 4. First aid measures

- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

- Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.

- Unsuitable extinguishing media** : None known.

- Specific hazards arising from the chemical** : In a fire or if heated, a pressure increase will occur and the container may burst.

- Hazardous thermal decomposition products** : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
nitrogen oxides

- Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

- For emergency responders** : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For 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).

Methods and materials for containment and cleaning up

- Small spill** : Stop leak if without risk. Move containers from spill area. Absorb with an inert 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. 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. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. 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.

Section 7. Handling and storage

Precautions for safe handling

Protective measures : Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. 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. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Advice on general occupational hygiene : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. 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/personal protection

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
2-hydroxyethyl methacrylate	None.
exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl methacrylate	None.
(2,4,6-trioxo-1,3,5-triazine-1,3,5-(2H,4H,6H)-triy)ltri-2,1-ethanediyl triacrylate	None.
α,α -dimethylbenzyl hydroperoxide	OARS WEEL (United States, 9/2024) Absorbed through skin. TWA 8 hours: 1 ppm.
acrylic acid	NIOSH REL (United States, 10/2020) Absorbed through skin. TWA 10 hours: 2 ppm. TWA 10 hours: 6 mg/m ³ . CAL OSHA PEL (United States, 1/2025) Absorbed through skin. TWA 8 hours: 5.9 mg/m ³ . TWA 8 hours: 2 ppm. OSHA PEL 1989 (United States, 3/1989) Absorbed through skin. TWA 8 hours: 10 ppm. TWA 8 hours: 30 mg/m ³ . ACGIH TLV (United States, 1/2025) A4. Absorbed through skin. TWA 8 hours: 2 ppm. TWA 8 hours: 5.9 mg/m ³ .
ethylene dimethacrylate	None.

Biological exposure indices

No exposure indices known.

Appropriate engineering controls : Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Section 8. Exposure controls/personal protection

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. Contaminated work clothing should not be allowed out of the workplace. 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 and/or face shield. If inhalation hazards exist, a full-face respirator may be required instead.
- 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. Recommended : 1 - 4 hours (breakthrough time): Protective gloves made of nitrile rubber (material thickness of 0,4 mm); EN 374-5 Cat. III ; 4 - 8 hours (breakthrough time): Protective gloves made of Viton®/ butyl rubber (material thickness of 0,7 mm); EN388 Cat.II / EN374 Cat.III / EN374-2
- 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.
- 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. Recommended : organic vapor (Type AX) and particulate filter

Section 9. Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

Appearance

- Physical state** : Liquid.
- Color** : Green.
- Odor** : Acetic acid.
- Odor threshold** : Not available.
- pH** : Not applicable.
- Melting point/freezing point** : Not available.
- Boiling point or initial boiling point and boiling range** : Not available.
- Flash point** : Closed cup: >100°C (>212°F)
- Evaporation rate** : Not available.
- Flammability** : Flammable in the presence of the following materials or conditions: open flames, sparks and static discharge.
Slightly flammable in the presence of the following materials or conditions: heat.

Section 9. Physical and chemical properties

Lower and upper explosion limit/flammability limit : Not available.

Vapor pressure :

Ingredient name	Vapor Pressure at 20 °C			Vapor pressure at 50 °C		
	mm Hg	kPa	Method	mm Hg	kPa	Method
acrylic acid	2.85024	0.38				
ethanediol	0.09226	0.012				
2-hydroxyethyl methacrylate	0.06001	0.008	OECD 104			
exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl methacrylate	0.009	0.0012	EU A.4			
ethylene dimethacrylate	0.0075	0.001				
α,α-dimethylbenzyl hydroperoxide	0	0				

Relative vapor density : Not available.

Relative density : Not available.

Density : 1.1 g/cm³ [25°C (77°F)]

Solubility in water : Not available.

Miscible with water : No.

Partition coefficient: n-octanol/water : Not applicable.

Auto-ignition temperature : Not applicable.

Decomposition temperature : Not available.

Viscosity : Dynamic (room temperature): 150 mPa·s (150 cP)
Kinematic (room temperature): Not available.
Kinematic (40°C (104°F)): Not available.

Particle characteristics

Median particle size : Not applicable.

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 : No specific data.

Incompatible materials : No specific data.

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

Section 11. Toxicological information

2-hydroxyethyl methacrylate	Rat - Oral - LD50 5050 mg/kg <u>Toxic effects:</u> Behavioral - Coma
α,α -dimethylbenzyl hydroperoxide	Rat - Dermal - LD50 500 mg/kg <u>Toxic effects:</u> Behavioral - Convulsions or effect on seizure threshold Kidney, Ureter, and Bladder - Hematuria
acrylic acid	Rat - Oral - LD50 800 mg/kg Rat - Inhalation - LC50 Gas. 220 ppm [4 hours] <u>Toxic effects:</u> Lung, Thorax, or Respiration - Dyspnea
	Rat - Oral - LD50 33500 $\mu\text{g}/\text{kg}$ Rat - Intraperitoneal - LD50 22 mg/kg Rat - Unreported - LD50 1250 mg/kg Mouse - Oral - LD50 2400 mg/kg <u>Toxic effects:</u> Tumorigenic - Active as anti-cancer agent
	Mouse - Intraperitoneal - LD50 144 mg/kg Mouse - Subcutaneous - LD50 1590 mg/kg Mouse - Unreported - LD50 830 mg/kg Rabbit - Dermal - LD50 280 $\mu\text{l}/\text{kg}$ Rabbit - Unreported - LD50 250 mg/kg Rabbit - Dermal - LD50 640 mg/kg <u>Toxic effects:</u> Cardiac - Cardiomegaly Lung, Thorax, or Respiration - Acute pulmonary edema Skin After topical exposure - Corrosive
	Rat - Oral - LD50 1337 mg/kg <u>Toxic effects:</u> Behavioral - Somnolence (general depressed activity)
	Mouse - Inhalation - LC50 Vapor 5300 mg/m^3 [2 hours]
ethylene dimethacrylate	Rat - Oral - LD50 3300 mg/kg

Conclusion/Summary [Product] : Not available.

Skin corrosion/irritation

Product/ingredient name

α,α -dimethylbenzyl hydroperoxide

Result

Rabbit - Skin - Mild irritant

Amount/concentration applied: 500 mg

Rabbit - Skin - Severe irritant

Duration of treatment/exposure: 24 hours

Amount/concentration applied: 5 mg

Rabbit - Skin - Severe irritant

Amount/concentration applied: 500 mg

acrylic acid

Conclusion/Summary [Product] : Not available.

Section 11. Toxicological information

Serious eye damage/eye irritation

Product/ingredient name

acrylic acid

Result

Rabbit - Eyes - Severe irritant

Duration of treatment/exposure: 24 hours

Amount/concentration applied: 250 ug

Rabbit - Eyes - Severe irritant

Amount/concentration applied: 1 mg

Conclusion/Summary [Product] : Not available.

Respiratory corrosion/irritation

Not available.

Conclusion/Summary [Product] : Not available.

Respiratory or skin sensitization

Not available.

Skin

Conclusion/Summary [Product] : Not available.

Respiratory

Conclusion/Summary [Product] : Not available.

Germ cell mutagenicity

Not available.

Conclusion/Summary [Product] : Not available.

Carcinogenicity

Not available.

Conclusion/Summary [Product] : Not available.

Classification

Product/ingredient name	OSHA	IARC	NTP
acrylic acid	-	3	-

Reproductive toxicity

Not available.

Conclusion/Summary [Product] : Not available.

Specific target organ toxicity (single exposure)

Product/ingredient name

Result

Section 11. Toxicological information

exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl methacrylate	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3
α,α -dimethylbenzyl hydroperoxide	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3
acrylic acid	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3
ethylene dimethacrylate	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3

Specific target organ toxicity (repeated exposure)

Product/ingredient name	Result
α,α -dimethylbenzyl hydroperoxide	SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2

Aspiration hazard

Not available.

Information on the likely routes of exposure

Not available.

Potential acute health effects

Eye contact	: Causes serious eye damage.
Inhalation	: May cause respiratory irritation.
Skin contact	: Causes skin irritation. May cause an allergic skin reaction.
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 watering redness
Inhalation	: Adverse symptoms may include the following: respiratory tract irritation coughing
Skin contact	: Adverse symptoms may include the following: pain or irritation redness blistering may occur
Ingestion	: Adverse symptoms may include the following: stomach pains

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects	: Not available.
Potential delayed effects	: Not available.

Long term exposure

Potential immediate effects	: Not available.
Potential delayed effects	: Not available.

Potential chronic health effects

Not available.

Section 11. Toxicological information

Conclusion/Summary [Product] : Not available.

General : Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

Carcinogenicity : No known significant effects or critical hazards.

Mutagenicity : No known significant effects or critical hazards.

Reproductive toxicity : No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Product/ingredient name	Oral (mg/kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapors) (mg/l)	Inhalation (dusts and mists) (mg/l)
WEICONLOCK AN 306-03	15384.6	27500.0	35000.0	550.0	N/A
2-hydroxyethyl methacrylate	5050	N/A	N/A	N/A	N/A
α,α -dimethylbenzyl hydroperoxide	800	1100	700	N/A	N/A
acrylic acid	500	1100	N/A	11	N/A
ethylene dimethacrylate	3300	N/A	N/A	N/A	N/A

Section 12. Ecological information

Toxicity

Product/ingredient name

Result

2-hydroxyethyl methacrylate

Acute - LC50 - Fresh water

Fish - Fathead minnow - *Pimephales promelas* - Juvenile (Fledgling, Hatchling, Weanling)

Age: 28 to 34 days; Size: 20.9 mm; Weight: 0.134 g
227 mg/l [96 hours]

Effect: Mortality

α,α -dimethylbenzyl hydroperoxide

Acute - LC50 - Fresh water

Fish - Fathead minnow - *Pimephales promelas* - Larvae

Age: <24 hours
12.7 mg/l [96 hours]

Effect: Mortality

acrylic acid

Chronic - NOEC - Fresh water

Daphnia - Water flea - *Daphnia magna* - Neonate

Age: <24 hours
3.8 mg/l [21 days]

Effect: Reproduction

Conclusion/Summary [Product] : Not available.

Persistence and degradability

Not available.

Conclusion/Summary [Product] : Not available.

Bioaccumulative potential

Section 12. Ecological information

Product/ingredient name	LogP _{ow}	BCF	Potential
2-hydroxyethyl methacrylate	0.42	-	Low
exo-1,7,7-trimethylbicyclo [2.2.1]hept-2-yl methacrylate	5.09	-	High
α,α-dimethylbenzyl hydroperoxide	1.6	9	Low
acrylic acid	0.38	3.162	Low
ethylene dimethacrylate	1.87	-	Low

Mobility in soil

Soil/Water partition coefficient : Not available.

Other adverse effects

No known significant effects or critical hazards.


Section 13. Disposal considerations

Disposal methods : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

RCRA Toxic hazardous waste "U" List

Ingredient	CAS #	Status	Reference number
.alpha.,.alpha-Dimethylbenzylhydroperoxide (R)	80-15-9	Listed	U096
Acrylic acid (I)	79-10-7	Listed	U008

Section 14. Transport information

	DOT Classification	TDG Classification	Mexico Classification	IMDG	IATA
UN number	UN3082	Not available.	Not available.	Not available.	Not available.
UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (α, α-dimethylbenzyl hydroperoxide)	Not available.	Not available.	Not available.	Not available.
Transport hazard class(es)	9 	Not available.	Not available.	Not available.	Not available.
Packing group	III	-	-	-	-
Environmental hazards	No.	No.	No.	No.	No.

Section 14. Transport information

Additional information

DOT Classification : **Reportable quantity** 500 lbs / 227 kg [54.516 gal / 206.36 L]. The classification of the product is due solely to the presence of one or more US DOT-listed 'Hazardous substances' that are subject to reportable quantity requirements and only applies to shipments of packages greater than, or equal to, the product reportable quantity. Package sizes less than the product reportable quantity are not regulated as hazardous materials.

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.

Transport in bulk according to IMO instruments : Not available.

Section 15. Regulatory information

U.S. Federal regulations

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

TSCA 12(b) - Chemical export notification

Not applicable.

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs) : Listed

Clean Air Act Section 602 Class I Substances : Not listed

Clean Air Act Section 602 Class II Substances : Not listed

DEA List I Chemicals (Precursor Chemicals) : Not listed

DEA List II Chemicals (Essential Chemicals) : Not listed

SARA 302/304

Composition/information on ingredients

No products were found.

SARA 304 RQ : Not applicable.

SARA 311/312

Classification : SKIN IRRITATION - Category 2
SERIOUS EYE DAMAGE - Category 1
SKIN SENSITIZATION - Category 1
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3

Composition/information on ingredients

Name	%	Classification
2-hydroxyethyl methacrylate	≥10 - ≤30	SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A SKIN SENSITIZATION - Category 1
exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl methacrylate	≥10 - ≤30	SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3
(2,4,6-trioxo-1,3,5-triazine-1,3,5-(2H,4H,6H)-triy)tri-2,1-ethanediy triacrylate	≥1 - ≤5	SERIOUS EYE DAMAGE - Category 1 SKIN SENSITIZATION - Category 1

Section 15. Regulatory information

α,α -dimethylbenzyl hydroperoxide	$\geq 1 - \leq 5$	ORGANIC PEROXIDES - Type E ACUTE TOXICITY (oral) - Category 4 ACUTE TOXICITY (dermal) - Category 4 ACUTE TOXICITY (inhalation) - Category 3 SKIN CORROSION - Category 1B SERIOUS EYE DAMAGE - Category 1 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2
acrylic acid	$\geq 1 - \leq 5$	FLAMMABLE LIQUIDS - Category 3 ACUTE TOXICITY (oral) - Category 4 ACUTE TOXICITY (dermal) - Category 4 ACUTE TOXICITY (inhalation) - Category 4 SKIN CORROSION - Category 1A SERIOUS EYE DAMAGE - Category 1 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 SKIN SENSITIZATION - Category 1
ethylene dimethacrylate	$\geq 0.1 - \leq 1$	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3

SARA 313

	Product name	CAS number	%
Form R - Reporting requirements	α,α -dimethylbenzyl hydroperoxide	80-15-9	$\geq 1 - \leq 5$
	acrylic acid	79-10-7	$\geq 1 - \leq 5$
Supplier notification	α,α -dimethylbenzyl hydroperoxide	80-15-9	$\geq 1 - \leq 5$
	acrylic acid	79-10-7	$\geq 1 - \leq 5$

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: CUMENE HYDROPEROXIDE; ACRYLIC ACID
- New York** : The following components are listed: Cumene hydroperoxide technical pure; Acrylic acid
- New Jersey** : The following components are listed: CUMENE HYDROPEROXIDE; ACRYLIC ACID
- Pennsylvania** : The following components are listed: HYDROPEROXIDE, 1-METHYL-1-PHENYLETHYL; 2-PROPENOIC ACID

California Prop. 65

⚠ WARNING: This product can expose you to Ethylene Glycol, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Ingredient name	No significant risk level	Maximum acceptable dosage level
Ethylene Glycol	-	Yes.

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Section 15. Regulatory information

Not listed.

Inventory list

Australia	: All components are listed or exempted.
Canada	: At least one component is not listed in DSL but all such components are listed in NDSL.
China	: All components are listed or exempted.
Eurasian Economic Union	: Russian Federation inventory : All components are listed or exempted.
Japan	: Japan inventory (CSCL) : All components are listed or exempted. Japan inventory (ISHL) : Not determined.
New Zealand	: All components are listed or exempted.
Philippines	: Not determined.
Republic of Korea	: All components are listed or exempted.
Taiwan	: All components are listed or exempted.
Thailand	: All components are listed or exempted.
Turkey	: Not determined.
United States	: All components are active or exempted.
Viet Nam	: All components are listed or exempted.

Section 16. Other information

Hazardous Material Information System (U.S.A.)

Health	/	3
Flammability		1
Physical hazards		0

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

National Fire Protection Association (U.S.A.)



Procedure used to derive the classification

Classification	Justification
SKIN IRRITATION - Category 2	Calculation method
SERIOUS EYE DAMAGE - Category 1	Calculation method
SKIN SENSITIZATION - Category 1	Calculation method
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3	Calculation method

History

Date of printing	: 2/3/2026
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Version	: 1.6

Section 16. Other information

Key to abbreviations

: ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
DOT = Department of Transportation
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
IMO = International Maritime Organization
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)
N/A = Not available
SGG = Segregation Group
TDG = Transportation of Dangerous Goods
UN = United Nations

References

: Not available.

✔ Indicates information that has changed from previously issued version.

Notice to reader

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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.