

SAFETY DATA SHEET



Easy-Mix PE-PP 45 Structural Acrylic Adhesive Resin

Section 1. Identification

Product identifier : Easy-Mix PE-PP 45 Structural Acrylic Adhesive Resin
Product code : 106601
Other means of identification : Not available.
Product type : Liquid.
Color : Off-white.

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

Identified uses

Adhesives-Construction Products

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

National contact

WEICON Canada Inc.
20 Steckle Place, Unit 20
Kitchener, Ontario N2E 2C3, CA
www.weicon.ca
E-mail: info@weicon.ca
Telephone: +1-519-896-5252
Telefax: +1-519-896-5254

Emergency telephone number (with hours of operation) : +1 866 928 0789 (24h - Toll free)
TRANSPORT EMERGENCY CONTACT : +1 866 928 0789 ((24h - Toll free)

Section 2. Hazard identification

Classification of the substance or mixture : RESPIRATORY SENSITIZATION - Category 1
SKIN SENSITIZATION - Category 1
TOXIC TO REPRODUCTION - Category 1B

GHS label elements

Hazard pictograms

:



Signal word

: Danger

Hazard statements

: H317 - May cause an allergic skin reaction.
H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H360 - May damage fertility or the unborn child.

Precautionary statements

Section 2. Hazard identification

Prevention	: P201 - Obtain special instructions before use. P202 - Do not handle until all safety precautions have been read and understood. P261 - Avoid breathing vapor. P284 - Wear respiratory protection. P280 - Wear protective gloves: > 8 hours (breakthrough time): Protective gloves made of nitrile rubber (material thickness of 0,4 mm); EN 374-5 Cat. III. Wear protective clothing. Wear eye or face protection. Wear hearing protection.
Response	: P308 + P313 - IF exposed or concerned: Get medical advice or attention. P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. P342 + P311 - If experiencing respiratory symptoms: Call a POISON CENTER or doctor. P362 + P364 - Take off contaminated clothing and wash it before reuse. P302 + P352 - IF ON SKIN: Wash with plenty of water. P333 + P313 - If skin irritation or rash occurs: Get medical advice or attention.
Storage	: P405 - Store locked up.
Disposal	: P501 - Dispose of waste according to applicable legislation.

Section 3. Composition/information on ingredients

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

Ingredient name	Synonyms	% (w/w)	Identifiers	
tetrahydrofurfuryl methacrylate	2-Propenoic acid, 2-methyl-, (tetrahydro-2-furanyl)methyl ester; 2-Methyl-2-propenoic acid, (Tetrahydro-2-furanyl)methyl ester; (Oxolan-2-yl)methyl methacrylate; Tetrahydrofurfuryl alkenyl(C2-3) carboxylate; METHACRYLATE, TETRAHYDROFURFURYL; 2-Propenoic acid, esters, 2-methyl-, (tetrahydro-2-furanyl)methyl ester	≥30 - ≤60	CAS: 2455-24-5	
2-ethylhexyl methacrylate	2-Propenoic acid, 2-methyl-, 2-ethylhexyl ester; Methacrylic acid, 2-ethylhexyl ester; 2-ETHYLHEXYL 2-METHYL-2-PROPENOATE; Alkyl (C2-20) methacrylate; PROP-2-ENOATE, 2-METHYL-, 2-ETHYLHEXYL; 2-ethyl-1-hexyl methacrylate; 2-ethylhexyl 2-methylprop-2-enoate	≥10 - ≤30	CAS: 688-84-6	
[2-[(2-methyl-1-oxoallyl)oxy]ethyl] hydrogen succinate	Butanedioic acid, 1-[2-[(2-methyl-1-oxo-2-propen-1-yl)oxy]ethyl] ester; Butanedioic acid, mono[2-[(2-methyl-1-oxo-2-propenyl)oxy]ethyl] ester; 3-[(2-Methacryloyloxy)ethoxycarbonyl; Monomethacryloyloxyethyl succinate; Succinic acid, mono(2-hydroxyethyl) ester methacrylate; 4-{2-[(2-methylprop-2-enoyl)oxy]ethoxy}-4-oxobutanoic acid; 4-[2-(methacryloyloxy)ethoxy]-4-oxobutanoic acid; 4-{2-[(2-methylacryloyl)oxy]ethoxy}-4-oxobutanoic acid; (2-(2-Methyl-1-oxoallyl)oxy)ethyl	≥3 - ≤7	CAS: 20882-04-6	

Section 3. Composition/information on ingredients

succinic anhydride	hydrogen succinate; 2-(Methacryloyloxy)ethyl hydrogen succinate; Methacryloxyalkyl (C2-3) hydrogen succinate	≥0.1 - ≤1	CAS: 108-30-5	
2-hydroxyethyl methacrylate	2,5-Furandione, dihydro-; TETRAHYDRO-2,5-FURANDIONE; SUCCINYL ANHYDRIDE; Tetrahydro-2,5-dioxofuran; SUCCINYL OXIDE; 2,5-DIKETOTETRAHYDROFURAN; Butanedioic anhydride; DIHYDRO-2,5-FURANDIONE	≥0.1 - ≤1	CAS: 868-77-9	
methyl 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	≥0.1 - ≤1	CAS: 80-62-6	
styrene	methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate; 2-Propenoic acid, 2-methyl-, methyl ester; Methacrylic acid, methyl ester; Methyl 2-methyl-2-propenoate; Methyl-2-methyl-2-propenoate; Methyl ester of methacrylic acid; Methacrylate monomer; 2-methyl-2-propenoic acid; methyl ester; methacrylic acid methyl ester	≥0.1 - ≤1	CAS: 100-42-5	

Ranges if listed above for hazardous ingredient(s) are prescribed ranges. The actual concentration(s) or actual concentration range(s) are being withheld as a trade secret.

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

- : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.

Section 4. First-aid measures

- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In the event of any complaints or symptoms, avoid further exposure.
- Skin contact** : Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion** : 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. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Most important symptoms/effects, acute and delayed

Potential acute health effects

- Eye contact** : No known significant effects or critical hazards.
- Inhalation** : May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- Skin contact** : May cause an allergic skin reaction.
- Ingestion** : No known significant effects or critical hazards.

Over-exposure signs/symptoms

- Eye contact** : No specific data.
- Inhalation** : Adverse symptoms may include the following:
wheezing and breathing difficulties
asthma
reduced fetal weight
increase in fetal deaths
skeletal malformations
- Skin contact** : Adverse symptoms may include the following:
irritation
redness
reduced fetal weight
increase in fetal deaths
skeletal malformations
- Ingestion** : Adverse symptoms may include the following:
reduced fetal weight
increase in fetal deaths
skeletal malformations

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

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

Section 4. First-aid measures

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

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. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

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

Environmental precautions : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

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 or asthma, allergies or chronic or recurrent respiratory disease should not be employed in any process in which this product is used. Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. 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 : Do not store below the following temperature: 0°C (32°F). 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
methyl methacrylate	CA Saskatchewan Provincial (Canada, 4/2021) Sensitizer. STEL 15 minutes: 100 ppm. TWA 8 hours: 50 ppm. CA British Columbia Provincial (Canada, 3/2025) Skin sensitizer. TWA 8 hours: 50 ppm. STEL 15 minutes: 100 ppm. CA Ontario Provincial (Canada, 6/2019) TWA 8 hours: 50 ppm. STEL 15 minutes: 100 ppm. CA Quebec Provincial (Canada, 2/2024) Skin sensitizer. TWAEV 8 hours: 50 ppm. STEV 15 minutes: 100 ppm. CA Alberta Provincial (Canada, 3/2023) OEL 8 hours: 205 mg/m ³ . OEL 8 hours: 50 ppm. OEL 15 minutes: 410 mg/m ³ . OEL 15 minutes: 100 ppm.
styrene	CA Saskatchewan Provincial (Canada, 4/2021) STEL 15 minutes: 40 ppm. TWA 8 hours: 20 ppm. CA British Columbia Provincial (Canada, 3/2025) Carc 2A. TWA 8 hours: 10 ppm. STEL 15 minutes: 20 ppm.

Section 8. Exposure controls/personal protection

CA Ontario Provincial (Canada, 6/2019)

TWA 8 hours: 35 ppm.

STEL 15 minutes: 100 ppm.

CA Quebec Provincial (Canada, 2/2024)

TWA EV 8 hours: 50 ppm.

STEV 15 minutes: 75 ppm.

CA Alberta Provincial (Canada, 3/2023)

OEL 15 minutes: 40 ppm.

OEL 15 minutes: 170 mg/m³.OEL 8 hours: 85 mg/m³.

OEL 8 hours: 20 ppm.

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.
- 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: safety glasses with side-shields.

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. > 8 hours (breakthrough time): Protective gloves made of nitrile rubber (material thickness of 0,4 mm); EN 374-5 Cat. III 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	: Off-white.
Odor	: Strong. Aldehyde-like.
Odor threshold	: Not available.
pH	: Not applicable.
Melting point/freezing point	: Not applicable.
Boiling point or initial boiling point and boiling range	: >110°C (>230°F)
Flash point	: Closed cup: >93.3°C (>199.9°F)
Evaporation rate	: Not available.
Flammability	: Highly flammable in the presence of the following materials or conditions: open flames, sparks and static discharge. Flammable in the presence of the following materials or conditions: heat.
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
methyl methacrylate	27.75236	3.7	OECD 104			
styrene	6.4	0.85				
2-hydroxyethyl methacrylate	0.06001	0.008				
2-ethylhexyl methacrylate	0.04875	0.0065				
2-[(2-methyl-1-oxoallyl)oxy]ethyl acetoacetate	0.0018	0.00024				
succinic anhydride	0	0				

Relative vapor density	: Not available.
Relative density	: Not applicable.
Density	: 0.96 to 1 g/cm ³ [20°C (68°F)]
Solubility in water	: Not available.
Miscible with water	: No.
Partition coefficient: n-octanol/water	: Not applicable.
Auto-ignition temperature	:

Ingredient name	°C	°F	Method
2-ethylhexyl methacrylate	250	482	EU A.15
methyl methacrylate	400	752	DIN 51794
styrene	490	914	

Decomposition temperature	: Not available.
Viscosity	: Dynamic (room temperature): 17000 mPa·s (17000 cP) Kinematic (room temperature): 17708 mm ² /s (17708 cSt) 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

succinic anhydride

Result

Rat - Oral - LD50

1510 mg/kg

2-hydroxyethyl methacrylate

Rat - Oral - LD50

5050 mg/kg

Toxic effects: Behavioral - Coma

methyl methacrylate

Rat - Oral - LD50

7872 mg/kg

Toxic effects: Behavioral - Muscle weakness Behavioral - Coma Lung, Thorax, or Respiration - Respiratory depression**Rabbit - Dermal - LD50**

>5 g/kg

Toxic effects: Skin After systemic exposure - Dermatitis, other

styrene

Rat - Oral - LD50

2650 mg/kg

Toxic effects: Behavioral - Somnolence (general depressed activity) Liver - Other changes**Rat - Inhalation - LC50 Vapor**11800 mg/m³ [4 hours]**Rat - Inhalation - LC50 Gas.**

2770 ppm [4 hours]

Conclusion/Summary [Product] : Not available.

Skin corrosion/irritation

Product/ingredient name

styrene

Result

Rabbit - Skin - Mild irritantAmount/concentration applied: 500 mg**Rabbit - Skin - Moderate irritant**Amount/concentration applied: 100 %

Conclusion/Summary [Product] : Not available.

Serious eye damage/eye irritation

Product/ingredient name

Result

Section 11. Toxicological information

succinic anhydride

Rabbit - Eyes - Severe irritantAmount/concentration applied: 750 ug

styrene

Rabbit - Eyes - Severe irritantAmount/concentration applied: 100 mg**Human - Eyes - Mild irritant**Amount/concentration applied: 50 ppm**Rabbit - Eyes - Moderate irritant**Duration of treatment/exposure: 24 hoursAmount/concentration applied: 100 mg**Rabbit - Eyes - Severe irritant**Amount/concentration applied: 100 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	IARC	NTP	ACGIH
succinic anhydride	3	-	-
methyl methacrylate	3	-	A4
styrene	2A	Reasonably anticipated to be a human carcinogen.	A3

Reproductive toxicity

Not available.

Conclusion/Summary [Product] : Not available.

Section 11. Toxicological information

Specific target organ toxicity (single exposure)

Product/ingredient name

1-[2-[(2-Methyl-1-oxo-2-propen-1-yl)oxy]ethyl]
butanedioate
methyl methacrylate

Result

SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3

Specific target organ toxicity (repeated exposure)

Product/ingredient name

styrene

Result

SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (hearing organs) - Category 1

Aspiration hazard

Not available.

Information on the likely routes of exposure

Not available.

Potential acute health effects

- Eye contact** : No known significant effects or critical hazards.
- Inhalation** : May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- Skin contact** : 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** : No specific data.
- Inhalation** : Adverse symptoms may include the following:
wheezing and breathing difficulties
asthma
reduced fetal weight
increase in fetal deaths
skeletal malformations
- Skin contact** : Adverse symptoms may include the following:
irritation
redness
reduced fetal weight
increase in fetal deaths
skeletal malformations
- Ingestion** : Adverse symptoms may include the following:
reduced fetal weight
increase in fetal deaths
skeletal malformations

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

Short term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Section 11. Toxicological information

Potential chronic health effects

Not available.

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 : May damage fertility or the unborn child.

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)
succinic anhydride	1510	N/A	N/A	N/A	N/A
2-hydroxyethyl methacrylate	5050	N/A	N/A	N/A	N/A
methyl methacrylate	7872	N/A	N/A	N/A	N/A
styrene	2650	N/A	2770	11.8	N/A

Section 12. Ecological information

Toxicity

Product/ingredient name

tetrahydrofurfuryl methacrylate

Result

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
34.7 mg/l [96 hours]

Effect: Mortality

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

methyl methacrylate

Acute - LC50 - Fresh water

Fish - Fathead minnow - *Pimephales promelas* - Adult
130 mg/l [96 hours]

Effect: Mortality

styrene

Acute - LC50 - Fresh water

Fish - Fathead minnow - *Pimephales promelas*

Age: 30 days; Size: 19 mm; Weight: 0.101 g
4020 µg/l [96 hours]

Effect: Mortality

Acute - EC50 - Fresh water

Daphnia - Water flea - *Daphnia magna*

Age: ≤24 hours

4700 µg/l [48 hours]

Effect: Mortality

Acute - EC50 - Fresh water

Section 12. Ecological information

Algae - Green algae - *Raphidocelis subcapitata*
 720 µg/l [96 hours]
Effect: Population
Chronic - NOEC - Fresh water
 Algae - Green algae - *Raphidocelis subcapitata*
 63 µg/l [96 hours]
Effect: Population

Conclusion/Summary [Product] : Not available.

Persistence and degradability

Not available.

Conclusion/Summary [Product] : Not available.

Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
2-ethylhexyl methacrylate	4.95	37 [OECD 305]	Low
succinic anhydride	2.44	-	Low
2-hydroxyethyl methacrylate	0.42	-	Low
methyl methacrylate	1.38	-	Low
styrene	2.96	13.49	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.

Section 14. Transport information

	TDG Classification	DOT Classification	IMDG	IATA
UN number	Not available.	Not available.	Not available.	Not available.
UN proper shipping name	Not available.	Not available.	Not available.	Not available.

Section 14. Transport information

Transport hazard class(es)	Not available.	Not available.	Not available.	Not available.
Packing group	-	-	-	-
Environmental hazards	No.	No.	No.	No.

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

Canadian lists

Canadian NPRI : None of the components are listed.

CEPA Toxic substances : None of the components are listed.

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

Not listed.

Inventory list

Australia	: Not determined.
Canada	: Not determined.
China	: Not determined.
Eurasian Economic Union	: Russian Federation inventory: Not determined.
Japan	: Japan inventory (CSCL): Not determined. Japan inventory (ISHL): Not determined.
New Zealand	: Not determined.
Philippines	: Not determined.
Republic of Korea	: Not determined.
Taiwan	: Not determined.
Thailand	: All components are listed or exempted.
Turkey	: Not determined.
United States	: Not determined.
Viet Nam	: All components are listed or exempted.

Section 16. Other information

History

Date of printing	: 2/2/2026
Date of issue/Date of revision	: 1/29/2026
Date of previous issue	: 11/4/2025
Version	: 2.1
Key to abbreviations	: ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor DOT = Department of Transportation GHS = Globally Harmonized System of Classification and Labelling of Chemicals HPR = Hazardous Products Regulations 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

Procedure used to derive the classification

Classification	Justification
RESPIRATORY SENSITIZATION - Category 1	Calculation method
SKIN SENSITIZATION - Category 1	Calculation method
TOXIC TO REPRODUCTION - Category 1B	Calculation method

References : Not available.

Indicates information that has changed from previously issued version.

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.