

ALSAN RS 260 LO FIELD / ALSAN RS 260 LO FLASH

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
Issue date: 8/13/2021 Revision date: 8/13/2021 Supersedes: 11/6/2019 Version: 2.2

SECTION 1: Identification

1.1. Identification

Product form : Mixture
Trade name : ALSAN RS 260 LO FIELD / ALSAN RS 260 LO FLASH
Product code : Summer / Winter

1.2. Recommended use and restrictions on use

Use of the substance/mixture : High performance, low odor, rapid-setting, polymethacrylate (PMA) liquid resin for use in flashing applications.

1.3. Supplier

Manufacturer:
SOPREMA INC.
310 Quadral Dr.
Wadsworth, OH 44281
Tel: 1-800-356-3521

Distributors:
SOPREMA Canada
1675 Haggerty Street
Drummondville (Quebec) J2C 5P7
Tel: 1-819-478-8163

SOPREMA Canada
44955 Yale Road West
Chilliwack (BC) V2R 4H3
CANADA
Tel: 1-604-793-7100

SOPREMA USA
12251 Seaway Road
Gulfport (Mississippi) 39507
UNITED STATES
Tel: 1-228-701-1900

1.4. Emergency telephone number

Emergency number : CHEMTREC 1-800-434-9300 (Acct.# CCN20515). CANUTEC 1-613-996-6666

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Flammable liquids, Category 4	H227	Combustible liquid
Skin corrosion/irritation, Category 2	H315	Causes skin irritation.
Skin sensitisation, Category 1	H317	May cause an allergic skin reaction.
Germ cell mutagenicity, Category 1B	H340	May cause genetic defects (Inhalation).
Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation	H335	May cause respiratory irritation.

Full text of H-statements: see section 16

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2.2. GHS Label elements, including precautionary statements

GHS US labelling

Hazard pictograms (GHS US)



Signal word (GHS US)

: Danger

Hazard statements (GHS US)

: H227 - Combustible liquid
H315 - Causes skin irritation.
H317 - May cause an allergic skin reaction.
H335 - May cause respiratory irritation.
H340 - May cause genetic defects (Inhalation).

Precautionary statements (GHS US)

: P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261 - Avoid breathing dust, mist, spray, vapours.
P264 - Wash hands, forearms and face thoroughly after handling.
P271 - Use only outdoors or in a well-ventilated area.
P272 - Contaminated work clothing must not be allowed out of the workplace.
P280 - Wear nitrile gloves
P302+P352 - If on skin: Wash with plenty of water
P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing.
P308+P313 - If exposed or concerned: Get medical advice/attention.
P312 - Call a poison center if you feel unwell
P321 - Specific treatment (see a doctor on this label).
P332+P313 - If skin irritation occurs: Get medical advice/attention.
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P363 - Wash contaminated clothing before reuse.
P370+P378 - In case of fire: Use ABC-powder, carbon dioxide (CO₂), dry extinguishing powder, foam, sand to extinguish.
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
P403+P235 - Store in a well-ventilated place. Keep cool.
P405 - Store locked up.
P501 - Dispose of container in accordance with local, regional or national regulations

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	GHS US classification
benzyl methacrylate	CAS-No.: 2495-37-6	10 – 25	Skin Irrit. 2, H315 STOT SE 3, H335

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Name	Product identifier	%	GHS US classification
2-ethylhexyl acrylate	CAS-No.: 103-11-7	1 – 10	Skin Irrit. 2, H315 Skin Sens. 1, H317 STOT SE 3, H335
Quartz	CAS-No.: 14808-60-7	1 – 10	Carc. 1A, H350
uracross CD2006	CAS-No.: 26570-48-9	0.1 – 2.5	Skin Irrit. 2, H315 STOT SE 3, H335
naphtha, hydrodesulfurized heavy	CAS-No.: 64742-82-1	0.1 – 2.5	Flam. Liq. 2, H225 Skin Irrit. 2, H315 Muta. 1B, H340 Carc. 1B, H350 STOT SE 3, H336 STOT RE 1, H372 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 4, H413
Diisopropanol-p-toluidine	CAS-No.: 38668-48-3	0.1 – 1.5	Acute Tox. 3 (Oral), H301
2,6-di-tert-butyl-p-cresol	CAS-No.: 128-37-0	0.1 – 1.5	Acute Tox. 4 (Oral), H302 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Trade secret #34-1672818-1026*	CAS-No.: Trade Secret	0.057 – 1.45	Skin Sens. 1, H317
Trade secret #34-1672818-1031*	CAS-No.: Trade Secret	0.011 – 1.3	Flam. Liq. 3, H226 STOT SE 3, H336
ethylbenzene	CAS-No.: 100-41-4	0.008 – 0.225	Flam. Liq. 2, H225 Acute Tox. 4 (Inhalation), H332 Carc. 2, H351 STOT RE 2, H373 Asp. Tox. 1, H304

*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.
First-aid measures after skin contact	: Wash with plenty of water/... Wash contaminated clothing before reuse. If skin irritation occurs: Wash with plenty of water/.... Get medical advice/attention. Specific treatment (see When symptoms occur: rinse immediately with plenty of water on this label). If skin irritation or rash occurs: Wash with plenty of water/....
First-aid measures after eye contact	: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects (acute and delayed)

Potential adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.
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Symptoms/effects	: May cause genetic defects (Inhalation).
Symptoms/effects after inhalation	: May cause an allergic skin reaction. May cause cancer by inhalation. May cause respiratory irritation.
Symptoms/effects after skin contact	: Causes skin irritation.
Symptoms/effects after eye contact	: Direct contact with the eyes is likely to be irritating.
Symptoms/effects after ingestion	: Abdominal pain.

4.3. Immediate medical attention and special treatment, if necessary

No additional information available

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media	: Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media	: Do not use a heavy water stream.

5.2. Specific hazards arising from the chemical

Fire hazard	: Combustible liquid.
Explosion hazard	: May form flammable/explosive vapour-air mixture.

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Remove ignition sources. Use special care to avoid static electric charges. No open flames. No smoking.
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6.1.1. For non-emergency personnel

Emergency procedures	: Evacuate unnecessary personnel.
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6.1.2. For emergency responders

Protective equipment	: Equip cleanup crew with proper protection.
Emergency procedures	: Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up	: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.
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6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Additional hazards when processed : Handle empty containers with care because residual vapours are flammable. Keep away from sources of ignition, torches and open flames. - No smoking.
- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. No open flames. No smoking. Avoid breathing dust, mist, spray, vapours. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Eliminate all ignition sources if safe to do so. Use only outdoors or in a well-ventilated area.
- Hygiene measures : Wash hands. Contaminated work clothing should not be allowed out of the workplace.

7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Proper grounding procedures to avoid static electricity should be followed.
- Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Heat, hot surfaces, sparks, and open flames. . Keep in fireproof place. Keep container tightly closed.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight. Heat sources.
- Storage temperature : 0 – 25 °C

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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No additional information available

benzyl methacrylate (2495-37-6)

No additional information available

2-ethylhexyl acrylate (103-11-7)

No additional information available

Diisopropanol-p-toluidine (38668-48-3)

No additional information available

2,6-di-tert-butyl-p-cresol (128-37-0)

USA - ACGIH - Occupational Exposure Limits

Local name	Butylated hydroxytoluene
ACGIH OEL TWA	2 mg/m ³
Remark (ACGIH)	URT irr

Quartz (14808-60-7)

USA - ACGIH - Occupational Exposure Limits

Local name	Silica crystalline - quartz
ACGIH OEL TWA	0.025 R
Remark (ACGIH)	TLV® Basis: Pulm fibrosis; lung cancer. Notations: A2 (Suspected Human Carcinogen)
Regulatory reference	ACGIH 2021

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Quartz (14808-60-7)

USA - OSHA - Occupational Exposure Limits

Local name	Silica, crystalline quartz, respirable dust
Remark (OSHA)	(3) See Table Z-3.
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-3 Mineral Dusts

uracross CD2006 (26570-48-9)

No additional information available

naphtha, hydrodesulfurized heavy (64742-82-1)

No additional information available

Trade secret #34-1672818-1031

USA - ACGIH - Occupational Exposure Limits

ACGIH OEL TWA [ppm]	150 ppm
ACGIH OEL STEL [ppm]	200 ppm
Remark (ACGIH)	Eye & URT irr

USA - OSHA - Occupational Exposure Limits

OSHA PEL TWA [1]	710 mg/m ³
OSHA PEL TWA [2]	150 ppm

ethylbenzene (100-41-4)

USA - ACGIH - Occupational Exposure Limits

ACGIH OEL TWA [ppm]	20 ppm
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Trade secret #34-1672818-1026

No additional information available

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

Avoid all unnecessary exposure.

Eye protection:

Chemical goggles or safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

Respiratory protection not required in normal conditions. In case of inadequate ventilation wear respiratory protection.

Personal protective equipment symbol(s):



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Other information:

Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Liquid.
Colour	: Grey white
Odour	: characteristic
Odour threshold	: No data available
pH	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: ≈ 90 °C / 194 F
Relative evaporation rate (butylacetate=1)	: No data available
Flammability (solid, gas)	: Combustible liquid.
Vapour pressure	: No data available
Relative vapour density at 20 °C	: > 1
Specific Gravity	: ≈ 1.25
Density	: 1.23 – 1.3 g/ml
Solubility	: Insoluble in water.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: ≈ 446 °C / 835 F
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: < 10 Pa·s @ 10/s
Explosive limits	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available

9.2. Other information

VOC content : < 5 g/l

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Combustible liquid. May form flammable/explosive vapour-air mixture.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Open flame. Overheating. Heat. Sparks.

10.5. Incompatible materials

Strong acids. Strong bases.

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10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide. May release flammable gases.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

benzyl methacrylate (2495-37-6)

LD50 oral rat	5000 mg/kg (Rat)
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Diisopropanol-p-toluidine (38668-48-3)

LD50 oral rat	25 – 200 mg/kg
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2,6-di-tert-butyl-p-cresol (128-37-0)

LD50 oral rat	890 mg/kg (Rat; OECD 401: Acute Oral Toxicity; Experimental value; >6000 mg/kg bodyweight; Rat)
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LD50 dermal rat	> 2000 mg/kg (Rat; Literature study; OECD 402: Acute Dermal Toxicity; >2000 mg/kg bodyweight; Rat; Experimental value)
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uracross CD2006 (26570-48-9)

LD50 oral rat	> 5000 mg/kg (Rat)
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naphtha, hydrodesulfurized heavy (64742-82-1)

LD50 oral rat	> 5000 mg/kg (Equivalent or similar to OECD 401, Rat, Male/female, Experimental value)
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LD50 dermal rabbit	> 3160 mg/kg (Rabbit, Literature study)
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LC50 Inhalation - Rat	> 12 mg/l (4 h, Rat, Literature study)
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LD50 oral rat	10770 mg/kg (Rat; Equivalent or similar to OECD 423; Experimental value; 12789 mg/kg; Rat; Equivalent or similar to OECD 423; Experimental value; 10760 mg/kg bodyweight; Rat)
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LD50 dermal rabbit	> 17600 mg/kg (Rabbit; Experimental value; Equivalent or similar to OECD 402; >14112 mg/kg bodyweight; Rabbit)
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LC50 Inhalation - Rat	> 21.1 mg/l/4h (Rat; Weight of evidence; 0.74 mg/l/4h; Rat; Weight of evidence)
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ethylbenzene (100-41-4)

LD50 oral rat	3500 mg/kg (Rat, Male / female, Experimental value, Oral)
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LD50 dermal rabbit	15432 mg/kg bodyweight (24 h, Rabbit, Male, Experimental value, Dermal)
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LC50 Inhalation - Rat	17.8 mg/l (4 h, Rat, Male, Experimental value, Inhalation (vapours))
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LD50 oral rat	7423 mg/kg (Rat)
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LD50 dermal rabbit	> 18270 mg/kg (Rabbit)
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Skin corrosion/irritation : Causes skin irritation.
Serious eye damage/irritation : Not classified
Respiratory or skin sensitisation : May cause an allergic skin reaction.
Germ cell mutagenicity : May cause genetic defects (Inhalation).

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Carcinogenicity : Not classified.

2-ethylhexyl acrylate (103-11-7)

IARC group : 3 - Not classifiable

2,6-di-tert-butyl-p-cresol (128-37-0)

IARC group : 3 - Not classifiable

Quartz (14808-60-7)

IARC group : 1 - Carcinogenic to humans

ethylbenzene (100-41-4)

IARC group : 2B - Possibly carcinogenic to humans

Reproductive toxicity : Not classified

STOT-single exposure : May cause respiratory irritation.

benzyl methacrylate (2495-37-6)

STOT-single exposure : May cause respiratory irritation.

2-ethylhexyl acrylate (103-11-7)

STOT-single exposure : May cause respiratory irritation.

uracross CD2006 (26570-48-9)

STOT-single exposure : May cause respiratory irritation.

naphtha, hydrodesulfurized heavy (64742-82-1)

STOT-single exposure : May cause drowsiness or dizziness.

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STOT-single exposure : May cause drowsiness or dizziness.

STOT-repeated exposure : Not classified

naphtha, hydrodesulfurized heavy (64742-82-1)

STOT-repeated exposure : Causes damage to organs through prolonged or repeated exposure.

ethylbenzene (100-41-4)

STOT-repeated exposure : May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard : Not classified

Viscosity, kinematic : No data available

Likely routes of exposure : Dermal. Inhalation. Skin and eyes contact.

Potential adverse human health effects and symptoms : Based on available data, the classification criteria are not met.

Symptoms/effects : May cause genetic defects (Inhalation).

Symptoms/effects after inhalation : May cause an allergic skin reaction. May cause cancer by inhalation. May cause respiratory irritation.

Symptoms/effects after skin contact : Causes skin irritation.

Symptoms/effects after eye contact : Direct contact with the eyes is likely to be irritating.

Symptoms/effects after ingestion : Abdominal pain.

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SECTION 12: Ecological information

12.1. Toxicity

2,6-di-tert-butyl-p-cresol (128-37-0)

LC50 - Fish [1]	≥ 0.57 mg/l (LC0; EU Method C.1; 96 h; Brachydanio rerio; Semi-static system; Fresh water; Experimental value)
EC50 - Crustacea [1]	0.48 mg/l (EC50; OECD 202: Daphnia sp. Acute Immobilisation Test; 48 h; Daphnia magna; Static system; Fresh water; Experimental value)
LC50 - Fish [2]	0.199 mg/l (LC50; ECOSAR v1.00; 96 h; Pisces)
EC50 - Crustacea [2]	0.15 mg/l (NOEC; OECD 202: Daphnia sp. Acute Immobilisation Test; 48 h; Daphnia magna; Static system; Fresh water; Experimental value)

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LC50 - Fish [1]	18 mg/l (96 h; Pimephales promelas; Lethal)
LC50 - Other aquatic organisms [1]	10 – 100 mg/l (96 h)
EC50 - Crustacea [1]	10 – 100 mg/l (48 h; Daphnia magna; Nominal concentration)
EC50 - Other aquatic organisms [1]	320 mg/l (96 h; Algae)
LC50 - Fish [2]	62 mg/l (96 h; Brachydanio rerio)
EC50 - Crustacea [2]	24 – 205 mg/l (24 h; Daphnia magna)
TLM - Fish [1]	10 - 100,96 h; Pisces
Threshold limit - Other aquatic organisms [1]	10 - 100,96 h
Threshold limit - Algae [1]	21 mg/l (168 h; Scenedesmus quadricauda; Growth rate)
Threshold limit - Algae [2]	280 mg/l (192 h; Microcystis aeruginosa; Growth rate)

ethylbenzene (100-41-4)

LC50 - Fish [1]	4.2 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Salmo gairdneri, Semi-static system, Fresh water, Experimental value)
EC50 - Crustacea [1]	1.8 – 2.4 mg/l (US EPA, 48 h, Daphnia magna, Static system, Fresh water, Experimental value)

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LC50 - Fish [1]	> 500 mg/l (96 h, Leuciscus idus)
EC50 - Crustacea [1]	> 500 mg/l (48 h, Daphnia magna)

12.2. Persistence and degradability

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Persistence and degradability	Not established.
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benzyl methacrylate (2495-37-6)

Persistence and degradability	Biodegradability in water: no data available. Not established.
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2-ethylhexyl acrylate (103-11-7)

Persistence and degradability	Not established.
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Diisopropanol-p-toluidine (38668-48-3)

Persistence and degradability	Not established.
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2,6-di-tert-butyl-p-cresol (128-37-0)

Persistence and degradability	Not readily biodegradable in water. Biodegradable in the soil. Adsorbs into the soil. Low potential for mobility in soil. Photooxidation in the air. Not established.
Biochemical oxygen demand (BOD)	0.51 g O ₂ /g substance
Chemical oxygen demand (COD)	2.27 g O ₂ /g substance
ThOD	2.977 g O ₂ /g substance
BOD (% of ThOD)	0.17

Quartz (14808-60-7)

Persistence and degradability	Biodegradability: not applicable. Not established.
Biochemical oxygen demand (BOD)	Not applicable
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
BOD (% of ThOD)	Not applicable

uracross CD2006 (26570-48-9)

Persistence and degradability	Biodegradability in water: no data available. Not established.
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Persistence and degradability	Readily biodegradable in water. Biodegradable in the soil. Highly mobile in soil. Not established.
Biochemical oxygen demand (BOD)	0.15 – 0.5 g O ₂ /g substance
Chemical oxygen demand (COD)	2.32 g O ₂ /g substance
ThOD	2.21 g O ₂ /g substance

ethylbenzene (100-41-4)

Persistence and degradability	Biodegradable in the soil. Readily biodegradable in water.
Biochemical oxygen demand (BOD)	1.44 g O ₂ /g substance
Chemical oxygen demand (COD)	2.1 g O ₂ /g substance
ThOD	3.17 g O ₂ /g substance

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Persistence and degradability	Readily biodegradable in water. Not established.
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12.3. Bioaccumulative potential

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Bioaccumulative potential	Not established.
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benzyl methacrylate (2495-37-6)

Partition coefficient n-octanol/water (Log Pow)	2.82
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4). Not established.

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2-ethylhexyl acrylate (103-11-7)	
Bioaccumulative potential	Not established.
Diisopropanol-p-toluidine (38668-48-3)	
Bioaccumulative potential	Not established.
2,6-di-tert-butyl-p-cresol (128-37-0)	
BCF - Fish [1]	230 – 2500 (BCF; OECD 305: Bioconcentration: Flow-Through Fish Test; 56 days; Cyprinus carpio; Flow-through system; Fresh water; Experimental value)
Partition coefficient n-octanol/water (Log Pow)	5.1 (Experimental value)
Bioaccumulative potential	Potential for bioaccumulation ($500 \leq \text{BCF} \leq 5000$). Not established.
Quartz (14808-60-7)	
Partition coefficient n-octanol/water (Log Pow)	Not applicable
Bioaccumulative potential	No bioaccumulation data available. Not established.
uracross CD2006 (26570-48-9)	
Bioaccumulative potential	No bioaccumulation data available. Not established.
naphtha, hydrodesulfurized heavy (64742-82-1)	
Partition coefficient n-octanol/water (Log Pow)	2.1 – 6.4
Trade secret #34-1672818-1031	
BCF - Fish [1]	14 (Pisces)
BCF - Other aquatic organisms [1]	15.3
Partition coefficient n-octanol/water (Log Pow)	2.3 (Experimental value; OECD 117: Partition Coefficient (n-octanol/water), HPLC method; 25 °C)
Bioaccumulative potential	Low potential for bioaccumulation ($\text{BCF} < 500$). Not established.
ethylbenzene (100-41-4)	
BCF - Fish [1]	1 – 2.4 (Other, 6 week(s), Oncorhynchus kisutch, Flow-through system, Salt water, Experimental value)
Partition coefficient n-octanol/water (Log Pow)	3.6 (Experimental value, EU Method A.8: Partition Coefficient, 20 °C)
Bioaccumulative potential	Low potential for bioaccumulation ($\text{BCF} < 500$).
Trade secret #34-1672818-1026	
BCF - Fish [1]	< 5.4 (Cyprinus carpio)
Partition coefficient n-octanol/water (Log Pow)	0.97
Bioaccumulative potential	Low potential for bioaccumulation ($\text{BCF} < 500$). Not established.
12.4. Mobility in soil	
2,6-di-tert-butyl-p-cresol (128-37-0)	
Partition coefficient n-octanol/water (Log Koc)	Koc,PCKOCWIN v1.66; 23030; Calculated value; log Koc; PCKOCWIN v1.66; 4.362; Calculated value
Ecology - soil	May be harmful to plant growth, blooming and fruit formation.

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Surface tension	0.0145 N/m (25 °C)
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ethylbenzene (100-41-4)

Surface tension	0.071 N/m (23 °C, 0.0582 g/l, EU Method A.5: Surface tension)
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Partition coefficient n-octanol/water (Log Koc)	2.71 (log Koc, PCKOCWIN v1.66, QSAR)
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Ecology - soil	Low potential for adsorption in soil. Toxic to soil organisms.
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12.5. Other adverse effects

Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Disposal methods

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Dispose of container in accordance with local, regional or national regulations.

Additional information : Handle empty containers with care because residual vapours are flammable.

Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (DOT) : Not applicable

14.3. Transport hazard class(es)

DOT

Transport hazard class(es) (DOT) : Not applicable

14.4. Packing group

Packing group (DOT) : Not applicable

14.5. Environmental hazards

Other information : No supplementary information available.

14.6. Special precautions for user

DOT

No data available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

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SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory except for:

n-butylmethacrylate, inhibited	CAS-No. 97-88-1	0.004 – 0.05%
naphtha, hydrodesulfurized heavy	CAS-No. 64742-82-1	0.1 – 2.5%
silica, pyrogenic	CAS-No. 112945-52-5	0.1 – 2.5%

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

Toluene	CAS-No. 108-88-3	0.004 – 0.06%
Xylene	CAS-No. 1330-20-7	0.021 – 0.55%
ethylbenzene	CAS-No. 100-41-4	0.008 – 0.225%

Toluene (108-88-3)

Listed on EPA Hazardous Air Pollutant (HAPS)

CERCLA RQ	1000 lb
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Xylene (1330-20-7)

CERCLA RQ	100 lb
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CERCLA RQ	5000 lb
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ethylbenzene (100-41-4)

EPA TSCA Regulatory Flag	T - T - indicates a substance that is the subject of a final TSCA section 4 test rule.
CERCLA RQ	1000 lb

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EPA TSCA Regulatory Flag	PMN - PMN - indicates a commenced PMN substance.
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15.2. International regulations

CANADA

Toluene (108-88-3)

Listed on the Canadian DSL (Domestic Substances List)

n-butylmethacrylate, inhibited (97-88-1)

Listed on the Canadian DSL (Domestic Substances List)

Quartz (14808-60-7)

Listed on the Canadian DSL (Domestic Substances List)

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Listed on the Canadian DSL (Domestic Substances List)

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Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

National regulations

Quartz (14808-60-7)

Listed on IARC (International Agency for Research on Cancer)

ethylbenzene (100-41-4)

Listed on IARC (International Agency for Research on Cancer)

15.3. US State regulations

WARNING:

This product can expose you to ethylbenzene, which is known to the State of California to cause cancer, and Toluene, 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.

Component	State or local regulations
2-ethylhexyl acrylate(103-11-7)	U.S. - New Jersey - Right to Know Hazardous Substance List
paraffin, wax(8002-74-2)	U.S. - New Jersey - Right to Know Hazardous Substance List
2,6-di-tert-butyl-p-cresol(128-37-0)	U.S. - New Jersey - Right to Know Hazardous Substance List
Toluene(108-88-3)	U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List
n-butylmethacrylate, inhibited(97-88-1)	U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List
Quartz(14808-60-7)	U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List
Xylene(1330-20-7)	U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List
Trade secret #34-1672818-1031()	U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List
ethylbenzene(100-41-4)	U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List

SECTION 16: Other information

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Revision date

: 08/13/2021

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Other information : None.

Full text of H-statements	
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H227	Combustible liquid
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H340	May cause genetic defects.
H350	May cause cancer.
H351	Suspected of causing cancer.
H372	Causes damage to organs through prolonged or repeated exposure.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.

Safety Data Sheet (SDS), USA

This SDS contains all the information required by ANSI Z400.1 standard (United States), by regulation 29 CFR Part 1910-1200 of the Hazard Communication Standard of OSHA and is in accordance with DORS/88-66 of WHMIS (Canada).

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 of 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.