SR-3000 Resin

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 03/05/2014 Version: 1.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form	:	Mixtures
Product name.	:	SR3000 Resin
Product code	:	SR3000 Resin
Formula	:	45021A

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

Use of the substance/mixture	:	Adhesive

1.3. Details of the supplier of the safety data sheet

AquaBond LLC
6444 E Spring St #275
Long Beach, CA 90815

714-961-1420

1.4. Emergency telephone number

Emergency number	:	EMERGENCY PHONE: For product emergency involving spill, leak, fire, exposure, or accident call CHEMTREC at (800) 424-9300. For all other inquires call AquaBond LLC at (714) 961-1420.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (GHS-US)

Flam. Liq. 2	H225
Eye Irrit. 2A	H319

2.2. Label elements

GHS-US labeling

Hazard pictograms (GHS-US) :

GHS02 GHS07

Signal word (GHS-US) : Danger.

Hazard statements (GHS-US) :
H225 - Highly flammable liquid and vapor
H319 - Causes serious eye irritation

Precautionary statements (GHS-US) :
P210 - Keep away from heat, hot surfaces, open flames, sparks. - No smoking
P233 - Keep container tightly closed
P240 - Ground/bond container and receiving equipment
P241 - Use explosion-proof electrical equipment
P242 - Use only non-sparking tools
P243 - Take precautionary measures against static discharge
P270 - Do no eat, drink or smoke when using this product
P273 - Avoid release to the environment
P280 - Wear eye protection, protective clothing, protective gloves
P304 + P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 - If eye irritation persists: Get medical advice/attention

P370 + P378 - In case of fire: Use Use dry chemical, CO2, or Foam to extinguish
P403 + P235 - Store in a cool and well-ventilated place.
P501 - Dispose of contents/container to an approved waste disposal plant, in accordance with applicable local, state, national laws
P202 - Do not handle until all safety precautions have been read and understood
P261 - Avoid breathing vapors
P262 - Do not get in eyes, on skin, or on clothing
P271 - Use only outdoors or in a well-ventilated area
P301 + P330 + P331 - If swallowed: rinse mouth. Do NOT induce vomiting
P302 - IF ON SKIN: Wash skin with mild soap and water.
P314 - Get medical advice/attention if you feel unwell
P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention
P363 - Wash contaminated clothing before reuse
P411 + P235 - Store at temperatures not exceeding 38C/100F. Keep cool.

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS-US)

No data available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification (GHS-US)
methylmethacrylate, monomer, inhibited	(CAS No) 80-62-6	25 - 60	Flam. Liq. 2, H225 Aquatic Acute 3, H402
Urethane Methacrylate Oligomer	(CAS No) Proprietary	5 - 10	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335
methacrylic acid, stabilized	(CAS No) 79-41-4	5 - 10	Flam. Liq. 4, H227 Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Dermal), H311 Aquatic Acute 3, H402
2,6-di-tert-butyl-p-cresol	(CAS No) 128-37-0	< 5	Acute Tox. 4 (Oral), H302 Aquatic Acute 1, H400
p-toluenesulfonyl chloride	(CAS No) 98-59-9	0.81 - 1.35	Skin Irrit. 2, H315 Eye Dam. 1, H318
cumene hydroperoxide	(CAS No) 80-15-9	1.08 - 1.215	Flam. Liq. 4, H227 Acute Tox. 4 (Oral), H302 Acute Tox. 2 (Dermal), H310 Acute Tox. 2 (Inhalation:vapour), H330 Aquatic Acute 2, H401

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation : Remove to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Immediately consult a doctor/medical service.

First-aid measures after skin contact : Wash with plenty of soap and water. Remove contaminated clothing. If skin irritation or rash occurs: Consult a doctor/medical service.

First-aid measures after eye contact : Immediately flush eyes thoroughly with water for at least 15 minutes. Get medical advice/attention.

First-aid measures after ingestion : Get immediate medical attention. Rinse mouth with water. Drink plenty of water. Do NOT induce vomiting.

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

Symptoms/injuries after inhalation : Coughing. Shortness of breath.

Symptoms/injuries after skin contact : Causes skin irritation. Itching. Red skin. May cause an allergic skin reaction.

Symptoms/injuries after eye contact : Moderate eye irritant. Redness of the eye tissue. Lacrimation.

Symptoms/injuries after ingestion : No data available.

Chronic symptoms : respiratory disorders. skin disorders. eye disorders.

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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

suitable extinguishing media : carbon dioxide (CO_2), dry chemical powder, foam.

Unsuitable extinguishing media : Do not use water jet to extinguish.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Highly flammable liquid and vapor. Heating may cause a fire or explosion. Insoluble in water. May build up electrostatic charges: risk of ignition.

Explosion hazard : Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries. May form flammable/explosive vapor-air mixture.

Reactivity : Alkalis. Amines. Moisture. Oxidizers. Reducing agents. Strong acids, bases. Ultraviolet radiation.

5.3. Advice for firefighters

Precautionary measures fire : Exposure to fire/heat: keep upwind. Exposure to fire/heat: consider evacuation. Exposure to fire/heat: seal off low-lying areas.

Firefighting instructions : Exercise caution when fighting any chemical fire. If exposed to fire cool the closed containers by spraying with water.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection. Firefighters should wear positive pressure self contained breating apparatus (SCBA) and full turnout gear.

Other information : Hazardous combustion products: . carbon oxides (CO and CO_2). Nitrogen oxides. Isocyanates. Hydrogen cyanide. smokes. Other toxic vapors.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Eliminate ignition sources. Ensure adequate air ventilation. Try to stop release. Use protective clothing. Use special care to avoid static electric charges. Wear self-contained breathing apparatus when entering area unless atmosphere is proved to be safe.

6.1.1. For non-emergency personnel

Protective equipment : Gloves. Protective clothing. Safety glasses.

Emergency procedures : Evacuate unnecessary personnel. Keep upwind. No naked flames or sparks. Seal off low-lying areas. Use personal protective equipment as required. Wash contaminated clothes.

6.1.2. For emergency responders

Protective equipment : In case of insufficient ventilation, wear suitable respiratory equipment. Use chemically protective clothing. Wear recommended personal protective equipment.

Emergency procedures : Stop leak if safe to do so. Ventilate area.

6.2. Environmental precautions

Avoid release to the environment. Notify authorities if liquid enters sewers or public waters. Prevent soil and water pollution. Try to stop release.

6.3. Methods and material for containment and cleaning up

For containment : Dam up the liquid spill. Plug the leak, cut off the supply. Tip the container on one side to stop the leakage.

Methods for cleaning up : Take up liquid spill into inert absorbent material. Absorbed substance: shovel into open drums.

6.4. Reference to other sections

See also sections 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Keep away from Heat, sources of ignition. - No smoking. In use, may form flammable vapor-air mixture. Handle empty containers with care because residual vapors are flammable.

Precautions for safe handling	:	Comply with the legal requirements. Do no eat, drink or smoke when using this product. Do not discharge the waste into the drain. Do not get in eyes, on skin, or on clothing. Do not handle until all safety precautions have been read and understood. Keep away from sources of ignition - No smoking. Observe normal hygiene standards.
Hygiene measures	:	Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work. Wash contaminated clothing before reuse. Do no eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures	:	Comply with applicable regulations. Proper grounding procedures to avoid static electricity should be followed. Use explosion-proof electrical equipment.
Storage conditions	:	Keep container tightly closed. Protect from moisture. Keep only in the original container in a cool, well ventilated place away from : Direct sunlight., Heat sources. Store at temperatures not exceeding 37 C.
Incompatible products	:	amines. Oxidizing agent. Reducing agents. strong acids. Strong bases.
Incompatible materials	:	Refer to Section 10 on Incompatible Materials.
Maximum storage period	:	6 months @ 23C stored in original SEALED container
Storage temperature	:	8 - 38 °C
Storage area	:	Keep out of direct sunlight. Store away from heat. Keep only in the original container. Store in a cool area. Store in a dry area. Store in a well-ventilated place.

7.3. Specific end use(s)

Adhesive: component.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Appropriate engineering controls	:	Provide adequate general and local exhaust ventilation. Keep concentrations well below lower explosion limits. Ensure exposure is below occupational exposure limits (where available).
Personal protective equipment	:	Personal protective equipment should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling the product. Gloves. Protective clothing. Safety glasses.

Materials for protective clothing	:	nitrile rubber. Chemical resistant.
Hand protection	:	Nitrile rubber (NBR) /. Wear chemically resistant protective gloves.
Eye protection	:	Wear safety glasses with side shields.
Skin and body protection	:	Wear suitable protective clothing.
Respiratory protection	:	Insufficient ventilation: wear respiratory protection.
Thermal hazard protection	:	None necessary.
Environmental exposure controls	:	Specific risk management measures are not required beyond good industrial hygiene and safety procedures.
Other information	:	Do no eat, drink or smoke when using this product.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Liquid
Appearance	:	gel.
Color	:	Off-white
Odor	:	Pungent.;Acrylic
Odor threshold	:	No data available
pH	:	No data available
Relative evaporation rate (butyl acetate=1)	:	No data available

Melting point	:	No data available
Freezing point	:	No data available
Boiling point	:	101 °C
Flash point	:	10.5 °C MMA
Self ignition temperature	:	No data available
Decomposition temperature	:	No data available
Flammability (solid, gas)	:	No data available
Vapor pressure	:	29 mm Hg @ 20 C
Relative vapor density at 20 °C	:	> 1
Relative density	:	0.94 - 1
Solubility	:	Insoluble in water. Water: Solubility in water of component(s) of the mixture : • : 1.5 g/100ml • : 9.7 g/100ml • : 0.000076 g/100ml • : < 0.1 g/100ml • : < 0.0001 g/100ml • : • : • : 103 g/100ml • : 69 g/100ml • : 0.03 g/100ml • : < 0.1 g/100ml • : 0.07 g/100ml • : 7.3 g/100ml • : < 0.1 g/100ml • : 0.15 g/100ml • : < 0.001 g/100ml • : 0.005 g/100ml • : 0.71 g/100ml • : 0.55 g/100ml • : 67 g/100ml • : < 0.002 g/100ml • : > 2 g/100ml • : • : < 0.01 g/100ml • : 0.0014 g/100ml • : > 10 g/100ml
Log Pow	:	No data available
Log Kow	:	No data available
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	No data available
Explosive properties	:	Heating may cause a fire or explosion.
Oxidizing properties	:	No data available
Explosive limits	:	2.1 - 12.5 vol % MMA

9.2. Other information

VOC content : < 50 g/l Activator and Adhesive mixed

SECTION 10: Stability and reactivity

10.1. Reactivity

Alkalis. Amines. Moisture. Oxidizers. Reducing agents. Strong acids, bases. Ultraviolet radiation.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous polymerization may occur. Avoid Excessive aging, excessive heat, and inhibitor depletion.

10.4. Conditions to avoid

Direct sunlight. Keep away from heat/sparks/open flames/hot surfaces. – No smoking. High temperature.

10.5. Incompatible materials

Refer to Section 10.1.

10.6. Hazardous decomposition products

Carbon dioxide. Carbon monoxide. hydrocarbons. Hydrogen Cyanide. Isocyanate containing vapors. Oxides of Nitrogen. irritating organic vapors.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

methylmethacrylate, monomer, inhibited (80-62-6)	
LD50 oral rat	> 6000 mg/kg (7900 mg/kg bodyweight; 8400 mg/kg bodyweight; Rat; Rat; Rat)
LD50 dermal rabbit	> 7550 mg/kg (>5000 mg/kg bodyweight; Rabbit; Rabbit; Experimental value)
LC50 inhalation rat (mg/l)	27.5 mg/l/4h (Rat)
ATE US (vapours)	27.50000000 mg/l/4h
ATE US (dust,mist)	27.50000000 mg/l/4h

methacrylic acid, stabilized (79-41-4)	
LD50 oral rat	1060 (Rat)

methacrylic acid, stabilized (79-41-4)	
LD50 dermal rabbit	500 (Rabbit)
LC50 inhalation rat (mg/l)	7 mg/l/4h (Rat)
ATE US (oral)	1060.00000000 mg/kg body weight
ATE US (dermal)	500.00000000 mg/kg body weight
ATE US (vapours)	7.00000000 mg/l/4h
ATE US (dust,mist)	7.00000000 mg/l/4h

2,6-di-tert-butyl-p-cresol (128-37-0)	
LD50 oral rat	890 mg/kg (>6000 mg/kg bodyweight; Rat; Rat; Experimental value,>6000 mg/kg bodyweight; Rat; Rat; Experimental value)
LD50 dermal rat	> 2000 mg/kg (>2000 mg/kg bodyweight; Rat; Rat; Experimental value)
ATE US (oral)	890.00000000 mg/kg body weight

cumene hydroperoxide (80-15-9)	
LD50 oral rat	382 mg/kg (Rat)
LD50 dermal rat	1200-1520,Rat
LD50 dermal rabbit	133 mg/kg body weight (Rabbit)
LC50 inhalation rat (mg/l)	1.37 mg/l/4h (Rat)
LC50 inhalation rat (ppm)	220 ppm/4h (Rat)
ATE US (oral)	382.00000000 mg/kg body weight
ATE US (dermal)	133.00000000 mg/kg body weight
ATE US (gases)	220.00000000 ppmV/4h
ATE US (vapours)	1.37000000 mg/l/4h
ATE US (dust,mist)	1.37000000 mg/l/4h

Skin corrosion/irritation : Not classified

Serious eye damage/irritation : Causes serious eye irritation.

Respiratory or skin sensitization : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

methylmethacrylate, monomer, inhibited (80-62-6)	
IARC group	3 - Not Classifiable

2,6-di-tert-butyl-p-cresol (128-37-0)	
IARC group	3 - Not Classifiable

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : Not classified

Symptoms/injuries after inhalation : Coughing. Shortness of breath.

Symptoms/injuries after skin contact : Causes skin irritation. Itching. Red skin. May cause an allergic skin reaction.

Symptoms/injuries after eye contact : Moderate eye irritant. Redness of the eye tissue. Lacrimation.

Symptoms/injuries after ingestion : No data available.

Chronic symptoms : respiratory disorders. skin disorders. eye disorders.

SECTION 12: Ecological information

12.1. Toxicity

methylmethacrylate, monomer, inhibited (80-62-6)	
LC50 fish 1	130 mg/l (96 h; Pimephales promelas; Lethal)
EC50 Daphnia 1	69 mg/l (48 h; Daphnia magna; GLP)
LC50 fish 2	191 mg/l (96 h; Lepomis macrochirus)
EC50 Daphnia 2	502 mg/l (24 h; Daphnia magna)
TLM fish 1	159 mg/l (96 h; Pimephales promelas)
Threshold limit other aquatic organisms 1	100 mg/l (16 h; Pseudomonas putida)
Threshold limit algae 1	37 mg/l (168 h; Scenedesmus quadricauda; Toxicity test)
Threshold limit algae 2	120 mg/l (192 h; Microcystis aeruginosa)

methacrylic acid, stabilized (79-41-4)	
LC50 fish 1	100-180,96 h; Brachydanio rerio

methacrylic acid, stabilized (79-41-4)	
EC50 Daphnia 1	100-180,24 h; Daphnia magna; Nocivity test
LC50 fish 2	85 mg/l 96 h; Salmo gairdneri (Oncorhynchus mykiss)
EC50 Daphnia 2	> 130 mg/l (48 h; Daphnia magna)
Threshold limit algae 1	45 mg/l (72 h; Selenastrum capricornutum)

2,6-di-tert-butyl-p-cresol (128-37-0)	
LC50 fish 1	0.199 mg/l (96 h; Pisces)
EC50 Daphnia 1	0.48 mg/l (48 h; Daphnia magna; GLP)
Threshold limit algae 1	> 0.4 mg/l (72 h; Scenedesmus subspicatus; GLP)
Threshold limit algae 2	0.363 mg/l (Algae; Chronic)

cumene hydroperoxide (80-15-9)	
LC50 fish 1	14 mg/l (48 h; Leuciscus idus; GLP)
EC50 Daphnia 1	7 mg/l (24 h; Daphnia magna; Static system)
LC50 fish 2	3.9 mg/l (96 h; Oncorhynchus mykiss)
EC50 Daphnia 2	18.84 mg/l (48 h; Daphnia magna; GLP)
Threshold limit algae 1	1.2 mg/l (Microcystis aeruginosa)
Threshold limit algae 2	7.4 mg/l (Scenedesmus quadricauda)

12.2. Persistence and degradability

methylmethacrylate, monomer, inhibited (80-62-6)	
Persistence and degradability	Readily biodegradable in water. No (test)data on mobility of the substance available. Photolysis in the air.
Biochemical oxygen demand (BOD)	0.14 g O^2/g substance
ThOD	1.9 g O^2/g substance
BOD (% of ThOD)	0.073 % ThOD

methacrylic acid, stabilized (79-41-4)	
Persistence and degradability	Readily biodegradable in water. Photodegradation in the air.
Biochemical oxygen demand (BOD)	0.89 g O^2/g substance
ThOD	1.67 g O^2/g substance
BOD (% of ThOD)	0.5329 % ThOD

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.
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 % ThOD

p-toluenesulfonyl chloride (98-59-9)	
Persistence and degradability	Biodegradability in water: no data available.

cumene hydroperoxide (80-15-9)	
Persistence and degradability	Not readily biodegradable in water. Highly mobile in soil.

12.3. Bioaccumulative potential

methylmethacrylate, monomer, inhibited (80-62-6)	
BCF fish 1	2.97 - 3.5 (Pisces)
Log Pow	1.32 - 1.38 (Experimental value; OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method; 20 °C,Experimental value; OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method; 20 °C,Experimental value; OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method; 20 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

methacrylic acid, stabilized (79-41-4)	
Log Pow	0.93
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

2,6-di-tert-butyl-p-cresol (128-37-0)	
BCF fish 1	230 - 2500 (56 days; Cyprinus carpio)
Log Pow	5.1 (Experimental value)

p-toluenesulfonyl chloride (98-59-9)	
Log Pow	3.49
Bioaccumulative potential	No bioaccumulation data available.

cumene hydroperoxide (80-15-9)	
BCF other aquatic organisms 1	9
Log Pow	1.6 (Experimental value; 25 °C,Experimental value; 25 °C)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).

12.4. Mobility in soil

methylmethacrylate, monomer, inhibited (80-62-6)	
Surface tension	0.028 N/m (20 °C)

methacrylic acid, stabilized (79-41-4)	
Surface tension	0.02 N/m (23 °C)

2,6-di-tert-butyl-p-cresol (128-37-0)	
Ecology - soil	May be harmful to plant growth, blooming and fruit formation.

cumene hydroperoxide (80-15-9)	
Surface tension	0.028 N/m (-9 °C)

12.5. Other adverse effects

Effect on ozone layer : No additional information available

Effect on the global warming : No known ecological damage caused by this product.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste) : Disposal must be done according to official regulations.

Waste disposal recommendations : Dispose of contents/container to an approved waste disposal facility in accordance with applicable local, state, national laws.

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

Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

In accordance with DOT

UN-No.(DOT) : 1133

DOT Proper Shipping Name : Adhesives

Department of Transportation (DOT) Hazard Classes : 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120

Hazard labels (DOT) : 3 - Flammable liquid

Packing group (DOT) : II - Medium Danger

DOT Packaging Exceptions (49 CFR 173.xxx) : 154

DOT Packaging Non Bulk (49 CFR 173.xxx) : 173

DOT Packaging Bulk (49 CFR 173.xxx) : 242

DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) : 5L

DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) : 60L

DOT Vessel Stowage Location : B - (i) The material may be stowed ‘‘on deck’’ or ‘‘under deck’’ on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and (ii) ‘‘On deck only’’ on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this section is exceeded.

Additional information

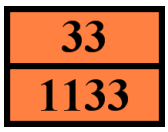
Other information : No supplementary information available.

State during transport (ADR-RID) : as liquid.

ADR

Transport document description	:	UN 1133, 3, II, (D/E)
Packing group (ADR)	:	II
Class (ADR)	:	3 - Flammable liquid
Hazard identification number (Kemler No.)	:	33
Classification code (ADR)	:	F1
Danger labels (ADR)	:	3 - Flammable liquids

Orange plates :



Tunnel restriction code (ADR)	:	D/E
LQ	:	5L
Excepted quantities (ADR)	:	E2

Transport by sea

UN-No. (IMDG)	:	1133
Proper Shipping Name (IMDG)	:	Adhesives
Class (IMDG)	:	3 - Flammable liquids
Packing group (IMDG)	:	II - substances presenting medium danger
EmS-No. (1)	:	F-E
EmS-No. (2)	:	S-D

Air transport

UN-No.(IATA)	:	1133
Proper Shipping Name (IATA)	:	Adhesives
Class (IATA)	:	3 - Flammable Liquids
Packing group (IATA)	:	II - Medium Danger

SECTION 15: Regulatory information

15.1. US Federal regulations

5300 Resin	
EPA TSCA Regulatory Flag	All components of this product are listed on the TSCA Inventory of Chemical Substances or are exempt from listing.
SARA Section 311/312 Hazard Classes	Delayed (chronic) health hazard Fire hazard Immediate (acute) health hazard

methylmethacrylate, monomer, inhibited (80-62-6)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
EPA TSCA Regulatory Flag	All components of this product are listed on the TSCA Inventory of Chemical Substances or are exempt from listing.
RQ (Reportable quantity, section 304 of EPA's List of Lists) :	None
SARA Section 302 Threshold Planning Quantity (TPQ)	None
SARA Section 311/312 Hazard Classes	Fire hazard Immediate (acute) health hazard Reactive hazard
SARA Section 313 - Emission Reporting	100 %

methacrylic acid, stabilized (79-41-4)	
EPA TSCA Regulatory Flag	All components of this product are listed on the TSCA Inventory of Chemical Substances or are exempt from listing.

methacrylic acid, stabilized (79-41-4)	
RQ (Reportable quantity, section 304 of EPA's List of Lists) :	None
SARA Section 302 Threshold Planning Quantity (TPQ)	None
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard Delayed (chronic) health hazard Fire hazard
SARA Section 313 - Emission Reporting	None

p-toluenesulfonyl chloride (98-59-9)	
RQ (Reportable quantity, section 304 of EPA's List of Lists) :	None
SARA Section 302 Threshold Planning Quantity (TPQ)	None
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard
SARA Section 313 - Emission Reporting	None

cumene hydroperoxide (80-15-9)	
EPA TSCA Regulatory Flag	All components of this product are listed on the TSCA Inventory of Chemical Substances or are exempt from listing.
RQ (Reportable quantity, section 304 of EPA's List of Lists) :	10 lb None
SARA Section 302 Threshold Planning Quantity (TPQ)	None
SARA Section 311/312 Hazard Classes	Delayed (chronic) health hazard Fire hazard Immediate (acute) health hazard Reactive hazard
SARA Section 313 - Emission Reporting	100 %

15.2. International regulations

CANADA

5300 Resin	
WHMIS Classification	Class B Division 2 - Flammable Liquid Class D Division 2 Subdivision B - Toxic material causing other toxic effects

methylmethacrylate, monomer, inhibited (80-62-6)	
Listed on the Canadian DSL (Domestic Substances List) inventory.	
WHMIS Classification	Class B Division 2 - Flammable Liquid Class D Division 2 Subdivision B - Toxic material causing other toxic effects

methacrylic acid, stabilized (79-41-4)	
WHMIS Classification	Class B Division 3 - Combustible Liquid Class D Division 1 Subdivision B - Toxic material causing immediate and serious toxic effects Class E - Corrosive Material Class F - Dangerously Reactive Material

EU-Regulations

No additional information available

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Flam. Liq. 2	H225
Org. Perox. F	H242
Skin Corr. 1A	H314
Skin Sens. 1	H317
Muta. 1B	H340
Carc. 1B	H350
STOT SE 3	H335
Aquatic Chronic 3	H412

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC or 1999/45/EC

15.2.2. National regulations

5300 Resin
Components of this product are listed or exempt from listing on the Canadian Domestic Substance List.

15.3. US State regulations

5300 Resin()	
State or local regulations	This product contains chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

p-toluenesulfonyl chloride (98-59-9)
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List

cumene hydroperoxide (80-15-9)
U.S. - Massachusetts - Right To Know List
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List
This product contains chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

SECTION 16: Other information

:

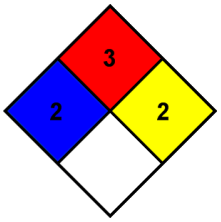
Full text of H-phrases: see section 16:

Acute Tox. 2 (Dermal)	Acute toxicity (dermal) Category 2
Acute Tox. 2 (Inhalation:vapour)	Acute toxicity (inhalation:vapour) Category 2
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Aquatic Acute 1	Hazardous to the aquatic environment - Acute Hazard Category 1
Aquatic Acute 2	Hazardous to the aquatic environment - Acute Hazard Category 2
Aquatic Acute 3	Hazardous to the aquatic environment - Acute Hazard Category 3
Eye Dam. 1	Serious eye damage/eye irritation Category 1
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Flam. Liq. 2	Flammable liquids Category 2
Flam. Liq. 4	Flammable liquids Category 4
Skin Irrit. 2	skin corrosion/irritation Category 2
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H225	Highly flammable liquid and vapor
H227	Combustible liquid
H302	Harmful if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
H330	Fatal if inhaled
H335	May cause respiratory irritation
H400	Very toxic to aquatic life

NFPA health hazard : 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.

NFPA fire hazard : 3 - Liquids and solids that can be ignited under almost all ambient conditions.

NFPA reactivity : 2 - Normally unstable and readily undergo violent decomposition but do not detonate. Also: may react violently with water or may form potentially explosive mixtures with water.



HMIS III Rating

Health : 2 Moderate Hazard - Temporary or minor injury may occur

Flammability : 3 Serious Hazard

Physical : 2 Moderate Hazard

SDS US (GHS HazCom 2012)