SAFETY DATA SHEET

This SDS is Classified to the 2012 OSHA Hazard Communication Standard 29 CFR 1920.1200.

SDS #: PMMALHR-01-1
DATE PREPARED: 9/30/2024
REVISION DATE(S): N/A

SECTION 1: IDENTIFICATION

1.1 Identification
Product form: Adhesive
Product name: IB PMMA Liquid Horizontal Resin

1.2 Use
Recommended use: Adhesive/sealant for multiple substrates.
Restrictions on use: For industrial exterior use only. Do not use it indoors. Adequate ventilation recommended.

1.3 Supplier
IB Roof Systems, Inc.
506 E. Dallas Rd Suite 300
Grapevine, Texas 76051
Information: 800-426-1626 • www.ibroof.com
Fax: 972-915-6802
Safety Data Sheet Competent Person: Technical@ibroof.com

1.4 Emergency Telephone Number

3E Emergency Response U.S.	855-280-2834
3E Emergency Response International	760-602-8703

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture
29 CFR 1910.1200:
Classification of this product has been carried out in accordance with paragraph (d) of § 1910.1200.
GHS-US classification

Flammable Liquids:	Category 2 – H225
Skin Corrosion/irritation:	Category 2 – H315
Skin Sensitization:	Category 1 – H317
Carcinogenicity:	Category 2 – H351
Specific Target Organ Toxicity – Single Exposure	Category 3 – H335

2.2 GHS Label elements, including precautionary statements
GHS US labelling
Hazard pictograms (GHS US):

Signal word (GHS US): Danger

Hazard statements (GHS US):
H225: Highly flammable liquid and vapor.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H335: May cause respiratory irritation.
H351: Suspected of causing cancer.

Precautionary statements (GHS US):
P210 - Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking.
P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
P264 Wash face, hands, and any exposed skin 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 protective gloves, eye protection, face protection, protective clothing.
P284 In case of inadequate ventilation wear respiratory protection.

Precautionary Statements (Response):
P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse SKIN with water [or shower].

P308+P313: IF INHALED: If exposed or concerned, get medical advice.
P305+P351+P338: IF IN EYES: If exposed or concerned, get medical advice.
P370+P380 - In case of fire: Use foam extinguisher (AB), dry chemical powder (ABC) fire extinguisher, carbon dioxide extinguisher (BC) to extinguish.

Storage: P403+P233+ P235 - Store in a well-ventilated place. Keep container tightly closed. Keep cool.
P405 - Store locked up.

Disposal: P501 - Dispose of contents/container in accordance with local/regional/national/international regulations.

Additional labeling: 

WARNING

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

Chemical description: Additive(s)

Chemical Name	CAS No.	Weight %*	Trade Secret
Methyl methacrylate	80-62-6	20-40	Y
2-Ethylhexyl acrylate	103-11-7	20-30	Y
***Remaining components are non-hazardous and/or present at amounts below reportable limits. In accordance with paragraph (i) of the OSHA Hazard Communication Standard (29 CFR §1910.1200), the specific chemical identity or exact weight % has been withheld as a trade secret.**			

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures: The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

First-aid measures after inhalation: Remove the person affected from the area of exposure, provide with fresh air, and keep at rest. In serious cases such as cardiorespiratory failure, artificial resuscitation techniques will be necessary (mouth to mouth resuscitation, cardiac massage, oxygen supply, etc.) requiring immediate medical assistance.

First-aid measures after skin contact: Remove contaminated clothing and footwear, rinse skin or shower the person affected if appropriate with plenty of cold water and neutral soap. In serious cases see a doctor. If the product causes burns or freezing, clothing should not be removed as this could worsen the injury caused if it is stuck to the skin. If blisters form on the skin, these should never be burst as this will increase the risk of infection.

First-aid measures after eye contact: Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, as this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

First-aid measures after ingestion: Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects (acute and delayed):
Symptoms/effects: Acute and delayed effects are indicated in sections 2 and 11.

4.3 Immediate medical attention and special treatment, if necessary: Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Suitable (and unsuitable) extinguishing media

Suitable extinguishing media: Foam extinguisher (AB), Dry Chemical Powder (ABC) Fire Extinguisher, Carbon dioxide extinguisher (BC).

Unsuitable extinguishing media: Do not use water jet as an extinguisher, as this will spread the fire.

5.2 Specific hazards arising from the chemical

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Special protective equipment and precautions for fire-fighters

Firefighting instructions: Depending on the magnitude of the fire it may be necessary to use full protective clothing and individual respiratory equipment. Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit...)

Protection during firefighting: Wear self-contained breathing apparatus pressure demand, MSHA/NIOSH approved or equivalent and full protective gear.

Other information: As in any fire, prevent human exposure to fire, smoke, fumes, or products of combustion. Only properly trained personnel should be involved in firefighting. Evacuate nonessential personnel from the fire area. Destroy any source of ignition. In case of fire, refrigerate the storage containers and tanks for products susceptible to inflammation. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment, and emergency procedures

6.1.1 For non-emergency personnel

Protective equipment: Isolate leaks provided that there is no additional risk for the people performing this task. Evacuate the area and keep out those without protection. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Above all prevent the formation of any vapor-air flammable mixtures, through either ventilation or the use of an inert medium. Remove any source of ignition. Eliminate electrostatic charges by interconnecting all the conductive surfaces on which static electricity could form, and also ensuring that all surfaces are connected to the ground.

Emergency procedures: Wear protective equipment. Keep unprotected persons away. See section 8.

6.1.2 For emergency responders

Protective equipment: Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist/vapors. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

6.2 Environmental precautions This product is not classified as hazardous to the environment. Keep product away from drains, surface, and underground water.

6.3 Methods and material for containment and cleaning up

For containment: For accidental releases in excess of reportable quantities (RQ) (Table 302.4), refer to 40 CFR 302 for detailed instructions concerning reporting requirements and notify the National Response Center (800) 424-8802.

For clean-up: Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections

See Sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Precautions for safe handling: Comply with the current standards 29 CFR 1910 Occupational Safety and Health Standards. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

Technical recommendations for the prevention of fires and explosions: Because the product is a flammable liquid, storage should meet the requirement of 29 CFR 1910.106, Flammable and Combustible Liquids Code. Transfer in well-ventilated areas, preferably through localized extraction. Fully control sources of ignition (mobile phones, sparks), and ventilate during cleaning operations. Avoid the existence of dangerous atmospheres inside containers, applying inert systems where possible. Transfer at a slow speed to avoid the creation of electrostatic charges. Against the possibility of electrostatic charges: ensure a perfect equipotential connection, always use groundings, do not wear work clothes made of acrylic fibers, preferably wearing cotton clothing and conductive footwear. Comply with the essential security requirements for equipment and systems and with the minimum requirements for protecting the security and health of workers. Consult section 10 for conditions and materials that should be avoided.

Technical recommendations on general occupational hygiene: Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

Technical recommendations to prevent environmental risks: It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3).

7.2 Conditions for safe storage, including any incompatibilities

Specific storage requirements: 7°C (45°F); 23°C (75°F)
Maximum Storage Period: 12 Months
Heat and ignition sources: Avoid ignition sources.
General conditions for storage: Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5.

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters

Exposure Guidelines: Substances whose occupational exposure limits have to be assessed in the workplace:

Chemical Identity	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)	
	Type	Occupational Exposure Limits
Methyl methacrylate (80-62-6)	8-hour TWA PEL	100 ppm / 410 mg/m^3
	Ceiling Values – TWA PEL	
Chemical Identity	**US. ACGIH Threshold Limit Values (2022):**	
	Type	**Occupational Exposure Limits**
Methyl methacrylate (80-62-6)	TLV TWA	50 ppm
	TLV STEL	100 ppm

8.2 Appropriate engineering controls

Appropriate engineering controls: As a preventative measure it is recommended to use basic Personal Protection Equipment. For more information on Personal Protection Equipment (storage, use, cleaning, maintenance, class of protection), consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation, the information on clothing performance must be combined with professional judgment, and a clear understanding of the clothing application, to provide the best protection to the worker. All chemical protective clothing use must be based on a hazard assessment to determine the risks for exposure to chemicals and other hazards. Conduct hazard assessments in accordance with 29 CFR 1910.132.

Respiratory protection:

Pictogram	PPE	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapors	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment. Use respirator in accordance with manufacturer´s use limitations and OSHA standard 1910.134 (29CFR).

Specific protection for hands:

Pictogram	PPE	Remarks
 Mandatory hand protection	Chemical protective gloves (Material: Butyl, Breakthrough time: > 60 min, Thickness: 0.3 mm)	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment. Use respirator in accordance with manufacturer´s use limitations and OSHA standard 1910.134 (29CFR).
As the product is a mixture of several substances, the resistance of the glove material cannot be calculated in advance with total reliability and has therefore to be checked prior to the application.		

Eye and face protection:

Pictogram	PPE	Remarks
 Mandatory hand protection	Panoramic glasses against splash/projections.	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing. Use this PPE in accordance with manufacturer´s use limitations and OSHA standard 1910.133 (29CFR).

Bodily protection:

Pictogram	PPE	Remarks
 Mandatory complete body protection	Antistatic and fireproof protective clothing	Limited protection against flames.
 Mandatory foot protection	Safety footwear with antistatic and heat-resistant properties	Replace boots at any sign of deterioration. Use foot protection in accordance with manufacturer´s use limitations and OSHA standard 1910.136 (29CFR).

Additional safety measures:

 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

8.3 Environmental exposure controls: In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state:	Liquid
Appearance:	Brushable mastic
Color:	White, Light Gray, or Tan
Odor:	Vanilla like fragrance
Odor threshold:	Not applicable (N/A)
Boiling point:	293°F (145°C)
Vapor pressure at 68°F:	2385 Pa
Vapor pressure at 122°F:	10522.87 Pa (10.52 kPa)
Evaporation rate at 68°F:	Not applicable (N/A)
Density at 68°F:	1263.23 kg/m^3
Relative Density at 68°F:	1.263
Dynamic viscosity at 68°F:	1.71 cP
Kinematic viscosity at 68°F:	1.35 mm^2/s
Kinematic viscosity at 104°F:	Not applicable (N/A)
Concentration:	Not applicable (N/A)
pH:	Not applicable (N/A)
Vapor density at 68°F:	Not applicable (N/A)
Partition coefficient n-octanol/water at 68°F:	Not applicable (N/A)
Solubility in water at 68°F:	Not applicable (N/A)
Solubility properties:	Not applicable (N/A)
Decomposition temperature:	Not applicable (N/A)

Melting point/freezing point:	Not applicable (N/A)
Flash point:	52°F (11.1°C)
Flammability (solid, gas):	Not applicable (N/A)
Auto-ignition temperature:	496°F
Upper flammability limit:	No data available
Lower flammability limit:	No data available
Median equivalent diameter:	Not applicable (N/A)

9.2 Other information

Explosive properties:	Not applicable (N/A)
Oxidizing properties:	Not applicable (N/A)
Corrosive to metals:	Not applicable (N/A)
Heat of combustion:	Not applicable (N/A)
Aerosols-total percentage (by mass) of flammable components:	Not applicable (N/A)
Surface tension at 68°F:	Not applicable (N/A)
Refraction Index:	Not applicable (N/A)
Softening point:	Not applicable (N/A)
Molecular weight:	No data available
VOC content:	<50 g/L

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity — No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7 from Safety Data Sheet.

10.2 Chemical stability — Chemically stable under the indicated conditions of storage, handling, and use.

10.3 Possibility of hazardous reactions — Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid — Applicable for handling and storage at room temperature:

Shock and friction:	Not applicable (N/A)
Contact with air:	Not applicable (N/A)
Increase in temperature:	Risk of combustion
Sunlight:	Avoid direct sunlight exposure
Humidity:	Not applicable (N/A)

10.5 Incompatible materials

Avoid strong acids, oxidizing agents, alkalis, or strong bases.

10.6 Hazardous decomposition products — Contains substances highly reactive and can auto-polymerize as a result of internal peroxide accumulation. The peroxides formed in these reactions are extremely shock and heat sensitive.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

The experimental information related to the toxicological properties of the product itself is not available.

Dangerous health implications:	In case of exposure that is repetitive, prolonged or at concentrations higher than recommended by the occupational exposure limits, it may result in adverse effects on health depending on the means of exposure:
Ingestion (acute effect):	Acute toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for consumption. For more information see section 3. Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea, and vomiting.
Inhalation (acute effect):	Acute toxicity : Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for inhalation. For more information see section 3. Corrosivity/Irritability: Causes irritation in respiratory passages, which is normally reversible and limited to the upper respiratory passages.
Contact with the skin and the eyes (acute effect):	Contact with the skin: Produces skin inflammation. Contact with the eyes: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction): Carcinogenicity: Exposure to this product can cause cancer. For more specific information on the possible health effects see section 2.

Chemical name	ACGIH	IARC	NTP	OSHA
Methyl methacrylate (80-62-6)	-	Group 3	-	-
2-Ethylhexyl acrylate (103-11-7)	-	Group 2B	-	-
Titanium Dioxide (Non Carcinogenic) (13463-67-7)	-	Group 2B	-	X
Talc (14807-96-6)	-	Group 3	-	X

IARC: Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Sensitizing effects: Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitizing effects. For more information see section 3.

Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

Specific target organ toxicity (STOT) - single exposure: Causes irritation in respiratory passages, which is normally reversible and limited to the upper respiratory passages.

Specific target organ toxicity (STOT) -repeated exposure: Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Aspiration hazard: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

11.2 Other information: Not applicable (N/A)

11.3 Specific toxicology information on the substances:

TOXICOLOGICAL INFORMATION			
Chemical Name	**Oral LD50**	**Dermal LD50**	**Inhalation LC50**
Methyl methacrylate (80-62-6)	>5000 mg/kg	>5000 mg/kg	>20 mg/L
2-Ethylhexyl acrylate (103-11-7)	4435 mg/kg (Rat)	7552 mg/kg (Rabbit)	>20 mg/L

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available
Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect.
For more information see section 3.

12.1 Ecotoxicity (aquatic and terrestrial, where available):

Acute toxicity:

Chemical name	Concentration		Species	Genus
Methyl methacrylate (80-62-6)	LC50	191 mg/L (96 h)	Lepomis macrochirus	Fish
	EC50	69 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	170 mg/L (96 h)	Selenastrum capricornutum	Algae

Chronic toxicity:

Chemical name	Concentration		Species	Genus
Methyl methacrylate (80-62-6)	NOEC	9.4 mg/L	Danio rerio	Fish
	NOEC	37 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability

Substance-specific information:

Chemical name	Degradability		Biodegradability	
Methyl methacrylate (80-62-6)	BOD5	Not applicable (N/A)	Concentration	100 mg/L
	COD	Not applicable (N/A)	Period	14 days
	BOD5/COD	Not applicable (N/A)	% Biodegradable	94.3%

12.3 Bio accumulative potential

Substance-specific information:

Chemical name	Bioaccumulation potential	
Methyl methacrylate (80-62-6)	BCF	7
	Pow Log	1.38
	Potential	Low

12.4 Mobility in soil

Chemical name	Absorption/description		Volatility	
Methyl methacrylate (80-62-6)	Koc	Not applicable (N/A)	Henry	Not applicable (N/A)
	Conclusion	Not applicable (N/A)	Dry Soil	Not applicable (N/A)
	Surface tension	2.551E-2 N/m (77ºF)	Moist soil	Not applicable (N/A)
2-Ethylhexyl acrylate (103-11-7)	Koc	Not applicable (N/A)	Henry	Not applicable (N/A)
	Conclusion	Not applicable (N/A)	Dry Soil	Not applicable (N/A)
	Surface tension	2.58E-2 N/m (77ºF)	Moist soil	Not applicable (N/A)

12.5 Results of PBT and VPvB assessment: Non-applicable

12.6 Other adverse effects No data is available

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Disposal methods:

The next characteristic per RCRA could apply to the unused product if it becomes a waste material: Ignitability. The next EPA hazardous waste number could apply: D001.
IT IS THE RESPONSIBILITY OF THE WASTE GENERATOR TO EVALUATE WHETHER HIS WASTES ARE HAZARDOUS BY CHARACTERISTICS OR LISTING.

Waste management (disposal and evaluation):

Follow RCRA framework and EPA regulation for to ensure that hazardous waste is managed safely and properly. Waste should not be disposed of into drains. Remind, It is the responsibility of the waste generator to evaluate whether his wastes are hazardous by characteristics or listing. See section 6 for further information about Accidental release measures.

Regulations related to waste management:

Legislation related to waste management 40 CFR Solid Wastes - Part 239 through 282.
State regulatory requirements for generators may be more stringent than those in the federal program. Be sure to check the state´s policies.

SECTION 14: TRANSPORT INFORMATION

Transport of dangerous goods by land:
With regard to 49 CFR on the Transport of Dangerous Goods:

	**14.1**	**UN number**	UN1133
	14.2	**UN proper shipping name**	ADHESIVES
	14.3	**Transport hazard class(es)**	3
		Labels	3
	14.4	**Packing group, if applicable:**	II
	14.5	**Marine pollutant:**	No
	14.6	**Special precautions which a user needs to be aware of, or needs to comply with, in connection with transport or conveyance either within or outside their premises.** Physico-Chemical properties: see section 9 Limited quantities: 5L	
	14.7	**Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code):**	Not Applicable (N/A)

Transport of dangerous goods by sea:
With regard to IMDG 41-22:

	**14.1**	**UN number**	UN1133
	14.2	**UN proper shipping name**	ADHESIVES
	14.3	**Transport hazard class(es)**	3
		Labels	3
	14.4	**Packing group, if applicable:**	II
	14.5	**Marine pollutant:**	No
	14.6	**Special precautions which a user needs to be aware of, or needs to comply with, in connection with transport or conveyance either within or outside their premises.** Special regulations: Not Applicable (N/A) EmS Codes: F-E, S-D Physico-Chemical properties: see section 9 Limited quantities: 5L Segregation group: Not Applicable (N/A)	
	14.7	**Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code):**	Not Applicable (N/A)

Transport of dangerous goods by air:
With regard to IATA/ICAO 41-2024:

	**14.1**	**UN number**	UN1133
	14.2	**UN proper shipping name**	ADHESIVES
	14.3	**Transport hazard class(es)**	3
		Labels	3
	14.4	**Packing group, if applicable:**	II
	14.5	**Marine pollutant:**	No
	14.6	**Special precautions which a user needs to be aware of, or needs to comply with, in connection with transport or conveyance either within or outside their premises.** Physico-Chemical properties: see section 9	
	14.7	**Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code):**	Not Applicable (N/A)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health, and environmental regulations specific for the product in question:

- CALIFORNIA LABOR CODE - The Hazardous Substances List: *Methyl methacrylate (80-62-6)*
- California Proposition 65 (the Safe Drinking Water and Toxic Enforcement Act of 1986) - Birth defects or other reproductive harm: Not applicable (N/A)
- California Proposition 65 (the Safe Drinking Water and Toxic Enforcement Act of 1986) - Cancer: *2-Ethylhexyl acrylate (103-11-7)*
- CANADA-Domestic Substances List (DSL): *Methyl methacrylate (80-62-6); 2-Ethylhexyl acrylate (103-11-7)*
- CANADA-Non-Domestic Substances List (NDSL): Not applicable (N/A)
- Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) – Reportable Quantities: *Methyl methacrylate (80-62-6) – U162*
- Hazardous Air Pollutants (Clean Air Act): *Methyl methacrylate (80-62-6)*
- Massachusetts RTK - Substance List: *Methyl methacrylate (80-62-6); 2-Ethylhexyl acrylate (103-11-7)*
- Minnesota - Hazardous substances ERTK: *Methyl methacrylate (80-62-6)*
- New Jersey Worker and Community Right-to-Know Act: *Methyl methacrylate (80-62-6); 2-Ethylhexyl acrylate (103-11-7)*
- New York RTK - Substance list: *Methyl methacrylate (80-62-6)*
- NTP (National Toxicology Program): Not applicable (N/A)
- Pennsylvania Worker and Community Right-to-Know Law: *Methyl methacrylate (80-62-6); 2-Ethylhexyl acrylate (103-11-7)*
- Protective Action Criteria (PAC) with AEGLs, ERPGs, & TEELs: *Methyl methacrylate (80-62-6); 2-Ethylhexyl acrylate (103-11-7)*
- Rhode Island - Hazardous substances RTK: *Methyl methacrylate (80-62-6)*
- The Toxic Substances Control Act (TSCA): *Methyl methacrylate (80-62-6); 2-Ethylhexyl acrylate (103-11-7)*
- Toxic chemical release reporting under EPCRA section 313 (40 CFR Part 372): *Methyl methacrylate (80-62-6)*

Specific provisions in terms of protecting people or the environment: It is recommended to use the information provided in this safety data sheet as a foundation for conducting workplace-specific risk assessments. These assessments will help establish the appropriate risk prevention measures for handling, using, storing, and disposing of this product.

Other legislation: Take into consideration other applicable federal, state, and local laws and local regulations.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:
This safety data sheet has been designed in accordance with Appendix d to §1910.1200 - Safety data sheets

Texts of the legislative phrases mentioned in section 2:
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H335: May cause respiratory irritation.
H351: Suspected of causing cancer.
H225: Highly flammable liquid and vapor.

Texts of the legislative phrases mentioned in section 3:
The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

29 CFR 1910.1200:
Carc. 2: H351 - Suspected of causing cancer.
Flam. Liq. 2: H225 - Highly flammable liquid and vapor.
Flam. Liq. 4: H227 - Combustible liquid.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
STOT SE 3: H335 - May cause respiratory irritation.

Advice related to training:
According to 29 CFR 1910. 1200, training on chemical hazards is necessary for employees using this product. This training will facilitate their understanding and interpretation of the safety data sheet, as well as the product label.

Principal bibliographical sources:
Occupational Safety & Health Administration (OSHA).

Abbreviations and acronyms:
IMDG: International maritime dangerous goods code IATA: International Air Transport Association ICAO: International Civil Aviation Organization COD: Chemical Oxygen Demand
BOD5: 5-day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
CL50: Lethal Concentration 50
EC50: Effective concentration 50
Log-POW: Octanol-water partition coefficient
Koc: Partition coefficient of organic carbon
IARC: International Agency for Research on Cancer

HMIS **Health hazards** 2 **Flammability** 3 **Physical hazards** 1 **Personal protection** X

HMIS Hazard Rating:

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