

MaxLight+™ UV Resin Systems

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name	MaxLight+™ UV Resin Systems
Trade Name	MaxLight+™ UV Resin Systems
Company	Maxliner, 450 College Drive, Martinsville, VA 24112 USA
Company Contact	info@maxlinerusa.com
Company Phone	• 1-877-426-5948
Emergency	• 24-Hour Emergency Contact: (Infotrac) 1-800-535-5053
	Local Emergency Contact: 1-800-535-5053

2. HAZARDS IDENTIFICATION

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Hazard classification				
GHS US classification				
	Skin sensitization	• Category 1	 May cause an allergic skir reaction 	
	Skin corrsion/irritation	Category 2	Causes skin irritation	
	Eye irritation/damage	• Category 2A	 Causes serious eye irritation 	
	Hazardous to the aquatic environment	• Category 2	 Toxic to aquatic life with long lasting effects 	
GHS US labeling				
(GHS US)	Pictogram	72		
Signal word	Warning			
Hazard Statements	H317	May cause an allerg	jic skin reaction	
	H318	Causes serious eye	Causes serious eye damage	
	H411	Toxic to aquatic life	Toxic to aquatic life with long lasting effects	
Precautionary				
Statements	P261	Avoid breathing dust/fume/gas/mist/vapors/spray		
	P264	 Wash hands, forear handling. 	Wash hands, forearms and face thoroughly after handling.	
	P272	Contaminated work clothing must not be allowed our of the workplace.		
		Avoid release to the	anvironment	
	P273	Avoid release to the	e environment	

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2. HAZARDS IDENTIFICATION (CONTINUED)

Response	P302+P352	 IF ON SKIN: Wash with plenty of soap and water
	P305+P351+P338	 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P310	Immediately call a poison center or doctor.
	P321	 Specific treatment (see supplemental first aid instruction 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.
	P391	Collect spillage.
	P501	 Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation
Hazards not otherwise classifie	No additional information	n available

3. COMPOSITION / INFORMATION ON INGREDIENTS

This product is a mixture.

Chemical Name	Product Identifier	Percentage
Bisphenol A Epoxy Acrylate	55818-57-0	40-60
Vinyl Ester	Proprietary	40-60
2-Hydroxyethyl Methacrylate	868-77-9	15-50
Diphenyl (2, 4, 6-trimethylbenzoyl) Phosphine Oxide	75980-60-8	<5.0%

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



4. FIRST AID MEASURES

Description of neces	ssary first aid measures
Inhalation	Remove person to fresh air and keep comfortable for breathing. If breathing is difficult, give oxygen. Obtain medical assistance. Remove all contaminated clothing and footwear.
Skin contact	• Wash skin with plenty of water. Take off contaminated clothing. Wash clothing before re-using. If skin irritation or rash occurs: Get medical advice/attention.
Eye contact	• Rinse cautiously with water for several minutes. Rinse immediately and thoroughly, pulling the eyelids well away from the eye (15 minutes minimum). Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. Obtain medical attention if pain, blinking or redness persists.
Ingestion	Immediately call a poison center or doctor/physician. Never attempt to induce vomiting. Do not give an unconscious person anything to drink.
Most important sym	ptoms/effects, acute and delayed
Effects on humans	None known
Immediate medical	attention and special treatment needed, if necessary.
Notes to physician	Treat symptomatically.
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5. FIRE FIGHTING MEASURES

Extinguishing media	
Suitable extinguishing media	Water spray. Dry powder. Carbon dioxide.
Unsuitable extinguishing media	Do not use a heavy water stream.
Specific hazards arising from the chemical	No specific fire or explosion hazard
Fire hazard	Cool containers / tanks with spray water if possible.
Explosion hazard	Heating may cause an explosion.
Reactivity in case of fire	Hazardous vapors may be released
Special protective equipment for f ire-fighters	
Precautionary measures fire	Get the package away from the fire if this can be done without risk.
Protection during firefighting	Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.



6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Stop leak if safe to do so. Do not attempt to take action without suitable protective equipment. For further information refer to Section 8: "Exposure controls/personal protection".	
Wear recommended personal protective equipment	
Wear self-contained breathing apparatus.	
Contain or absorb spilled liquid with non-combustible material.	

7. HANDLING AND STORAGE

Precautions for	To facilitate product transfer from the original container, the product may
Precautions for safe handling	 To facilitate product transfer from the original container, the product may be heated to 40°C for not more than 24 hours. Do not use direct steam or band heaters to heat product. Hot boxes or hot rooms are recommended for heating the product. Keep away from hot surfaces/sparks/open flames/other ignition sources. No smoking. Handle and open container with care. Ground/bond container and receiving equipment. Ensure good ventilation of the workstation. Avoid contact with skin and eyes. Avoid breathing vapors, spray. Wear personal protective equipment. If frozen, thaw and mix thoroughly beforuse. If freezing/crystalizing occurs, warm and mix thoroughly with low shear to disperse the initiator evenly throughout the solution. Contaminate clothing must not be allowed out of the building. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
Conditions for safe storage, including any incompatibilities	
Storage conditions	Protect from sunlight. Store in a closed container. Store in dry, cool, well-ventilated area.
Storage temperature	• ≤ 35°C



8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters	No additional information available.
Appropriate engineering controls	Ensure good ventilation of the work station. Both local exhaust and general room ventilation are usually required.
ndividual protection measures/ Personal protective equipment	
Hand protection	Chemically resistant protective gloves.
Eye protection	Splash goggles. Protective goggles or face shield.
Skin and body protection	If skin contact or contamination of clothing is possible, protective clothing should be worn.
Respiratory orotection	In case of insufficient ventilation, wear suitable respiratory equipment. Approved organic vapor respirator.

9. PHYSICAL & CHEMICAL PROPERTIES

TIE5
• Liquid
• Colorless
Slightly sweet
No data available
• 6.8 - 7.2
No data available
No data available
• 213°C
• 180°C
No data available
No data available
• 0.08mbar
No data available
• 1.14
No data available
• 2800 - 3200 cP @25°C



10. CHEMICAL STABILITY & REACTIVITY INFORMATION

Reactivity	The product is non-reactive under normal conditions of use, storage and transport. Hazardous polymerization may occur if exposed to high temperature.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	Heating may cause an explosion. Product may freeze or crystallize in cold weather or even under normal storage conditions. When product freezes or crystallizes, the inhibitor may become unevenly distributed
Incompatible materials	Initiators. Strong alkalis. Peroxides. Curing agent. Reactive metals (Al, K, Zn.
Hazardous decomposition products	• In the event of thermal decomposition : Carbon oxides (CO, CO ₂). Soot. Smokes.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects		
Acute toxicity (oral)	Not classified	
Acute toxicity (dermal)	Not classified.	
Acute toxicity (inhalation)	Not classified.	
Bisphenol A epoxy acrylate	e (55818-57-0)	
LD50 oral rat	• > 2000 mg/kg	
LD50 dermal rat	• > 2000 mg/kg	
2-Hydroxyehyl methacryla	te (868-77-9)	
LD50 oral rat	• >5000 mg/kg	
LD50 dermal rat	• >5000 mg/kg	
Skin corrosion/irritation	May cause sensitization by contact.	
Bisphenol A epoxy acrylate	e (55818-57-0)	
Additional information	No skin irritation.	
Serious eye damage/ irritation	Causes serious eye damage.	
Bisphenol A epoxy acrylate	e (55818-57-0)	
Additional information	Mutagenicity tests are negative.	
Carcinogenicity	Not classified.	
Reproductive toxicity	Not classified.	
Bisphenol A epoxy acrylate	e (55818-57-0)	
Toxicity for Reproduction	Based upon available data of the substances, classification criteria are not met.	
STOT-single exposure	Not classified.	
STOT-repeated exposure	Not classified.	
Aspiration hazard	Not classified.	
Effects on humans	Not classified.	



12. ECOLOGICAL INFORMATION

Toxicity	
Bisphenol A epoxy acrylat	te (55818-57-0)
EC50 72h - Algae [1]	• 105 mg/l Pseudokirchneriella subcapitata
NOEC (chronic)	• 0.25 mg/l 33days, Pimephales promelas
NOEC chronic crustacea	0.51 mg/l 21days, Daphnia magna
2-Hydroxyehyl methacryla	ate (868-77-9)
LC50 - Fish [1]	• >100mg/l 96hrs, Golden orfe
EC50 - Crustacea [1]	• 380 mg/l 48hrs, Daphnia magna
EC50 72h - Algae [1]	836 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
Persistence and Degradab	pility
Bisphenol A epoxy acrylat	te (55818-57-0)
Persistence and degradability	Inherently biodegradable
2-Hydroxyehyl methacryla	ate (868-77-9)
Persistence and degradability	Readily biodegradable
Bioaccumulative Potentia	I
Bisphenol A epoxy acrylat	te (55818-57-0)
Partition coefficient n-octanol/water (Log Pow)	• 1.6 - 3.8
Mobility in soil	No additional information available.
Other adverse effects	No additional information available.

13. DISPOSAL CONSIDERATIONS

Disposal methods

Product/Packaging disposal recommendations: Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.



14. TRANSPORT INFORMATION

In accordance with DOT / IMDG / IA	ATA
UN number	
DOT NA No	• UN3082
UN-No. (IMDG)	• 3082
UN-No. (IATA)	• 3082
UN proper shipping name	
Proper Shipping Name (DOT)	Environmentally hazardous substances, liquid, n.o.s. (contains Bisphenol A epoxy acrylate)
Proper Shipping Name (IMDG)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains Bisphenol A epoxy acrylate)
Proper Shipping Name (IATA)	Environmentally hazardous substance, liquid, n.o.s. (contains Bisphenol A epoxy acrylate)
Transport hazard class(es)	
DOT	
Transport hazard class(es) (DOT)	• 9
Hazard labels (DOT)	• 9
IMDG	
Transport hazard class(es) (IMDG)	• 9
Hazard labels (IMDG)	• 9
IATA	
Transport hazard class(es) (IATA)	• 9
Hazard labels (IATA)	• 9
Transport Label	
Packing group	
Packing group (DOT)	•
Packing group (IMDG)	• 111
Packing group (IATA)	•
Environmental hazards	
Dangerous for the environment	• Yes
Marine pollutant	• Yes
Label	***
Other information	DOT in 49CFR §171.4(c)(1) states: "Except when all or part of the transportation is by vessel, the requirements of this subchapter specific to marine pollutants do not apply to non-bulk packagings transported by motor vehicle, rail car or aircraft".



15. REGULATORY INFORMATION

US Federal Regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory. 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.

4.4' isomrani didanadinkanali	• CAS-No. 80-05-7	
4,4'-isopropylidenediphenol; bisphenol A	• CAS-INO. 60-03-7	
Toluene	• CAS-No. 108-88-3	
Acrylic acid	• CAS-No. 79-10-7	
Cyclohexane	• CAS-No. 110-82-7	
International Regulations		
Australia	Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory) - Secondary Notification	
Canada	Listed on the Canadian DSL (Domestic Substances List)	
China	Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)	
EU	Not listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)	
Japan	Listed on the Japanese ENCS (Existing New Chemical Substances) inventory	
Korea	Listed on KECL/KECI (Korean Existing Chemicals Inventory)	
New Zealand	Listed on NZIoC (New Zealand Inventory of Chemicals)	
Taiwan	Listed on the TCSI (Taiwan Chemical Substance Inventory)	
U.S. Federal State Regulations		
Warning	This product can expose you to Bisphenol A (BPA), which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.	
Warning label	<u>^</u>	



16. OTHER INFORMATION

OSHA Hazard Communication Standard 29 CFR 1910.1200 (HazCom 2012)

Full text of H-phrases	
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H411	Toxic to aquatic life with long lasting effects
Disclaimer	MAXLINER urges each customer or recipient of this SDS to study it carefully and consult appropriate expertise, as necessary or appropriate, to become aware of and understand the data contained in this SDS and any hazards associated with the product. The information herein is provided in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ between various locations. It is the buyer's/user's responsibility to ensure that his activities comply with all federal, state, provincial or local laws. The information presented here pertains only to the product as shipped. Since conditions for use of the product are not under the control of the manufacturer, it is the buyer's/ user's duty to determine the conditions necessary for the safe use of this product. Due to the proliferation of sources for information such as manufacturer-specific SDSs, we are not and cannot be responsible for SDSs obtained from any source other than ourselves. If you have obtained an SDS from another source or if you are not sure that the SDS you have is current, please contact us for the most current version.