EXXENE CORPORATION

SAFETY DATA SHEET

UV Pro 550

Revision Date: 7/15/2021

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: UV Pro 550

PRODUCT USE: UV-light curable anti-fog coating for plastic surfaces.

MANUFACTURER: Exxene Corporation, 5939 Holly Road, Corpus Christi, TX 78412, 1-361-991-8391

EMERGENCY: For Hazardous Materials Incident - Spill, Leak, Fire, Exposure, or Accident - Call CHEMTREC 1-800-424-9300

SECTION 2 – HAZARDS IDENTIFICATION

GHS CLASSIFICATION

Health		Environmental		Physical
Skin corrosion/irritation	Category 3	Acute toxicity:	Not applicable	
Serious eye damage/eye irritation	Category 2B	Chronic toxicity:	Not applicable	
Acute toxicity, oral	Category 4			
Sensitization, respiratory	Category 1			
Sensitization, skin	Category 1			

GHS LABEL:

Signal Word: DANGER

WHMIS CLASSIFICATION Class D, Division 2, Subdivision B
Class D, Division 2, Subdivision A

Hazard Statements

H316 Causes mild skin irritation.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H317 May cause an allergic skin reaction.
H302 Harmful if swallowed.
H400 Very toxic to aquatic life.

Precautionary Statements

P280 Wear protective gloves/protective clothing/eye protection/face protection.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 Wash hands thoroughly after handling.
P272 Contaminated work clothing should not be allowed out of the workplace.
P285 In case of inadequate ventilation wear respiratory protection.

P304 + P341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off Immediately all contaminated clothing. Rinse SKIN with water/shower.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P314 Get medical advice/attention if you feel unwell.

P404 Store in a closed container.
P405 Store locked up.
P501 Dispose of contents/container according to local and national material disposal regulations.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS#	Concentration, %
Dipentaerythritol hexaacrylate	29570-58-9	10 – 20 %
Tri(propylene glycol) diacrylate	42978-66-5	5 – 10%
Pentaerythritol ethoxylate tetraacrylate	51728-26-8	70 – 85%

SECTION 4 – FIRST AID MEASURES

Contact with eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention. Take SDS.

Skin contact: Remove contaminated clothing and shoes. Wash with plenty of soap and water. Seek medical attention if irritation occurs. Take this SDS.

Inhalation: Remove the victim to fresh air. Monitor respiratory function. If there is breathing difficulty, provide oxygen. If necessary, give artificial respiration. Seek medical attention. Take this SDS.

SECTION 5 – FIREFIGHTING MEASURES

Ingestion: Rinse mouth with water. Give nothing to drink. Do not induce vomiting. Immediately consult a doctor/medical service. Call Poison Information Centre. Ingestion of large quantities: immediately to hospital. Take the container/vomit to the doctor/hospital. Take this SDS. Doctor: administration of chemical antidote. Doctor: gastric lavage.

Suitable Extinguishing Media: Water spray, alcohol resistant foam, dry chemical or carbon dioxide
Unsuitable Extinguishing Media: Solid water jet ineffective as extinguishing medium.
Exposure Hazards: Not flammable.
Combustion Products: Hazardous decomposition products formed under fire conditions include carbon oxides.
Advice for firefighters: Use self-contained breathing apparatus (SCBA) operated in positive pressure mode and complete protective clothing. Cool tanks/drums with water spray/remove them into safety. Do not move the load if exposed to heat. Take account of toxic fire-fighting water. Use water moderately and if possible collect or contain it.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personnel precautions: Use personal protective equipment. Avoid breathing vapors, mists or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low area.
Environmental precautions: Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Methods for cleaning spills: Discard any product, waste, container or wrapper available in an appropriate manner as not to harm the environment, according to federal regulations, state and local.

SECTION 7 – HANDLING AND STORAGE

Handling: Avoid contact with skin and eyes. Avoid inhalation with vapor or mist. Use proper personal protective equipment as indicated in Section 8.
Storage: Store at room temperature. Hygroscopic; store in a dry area. Keep container in a well-ventilated place. Keep locked up. Provide for a tub to collect spills. Unauthorized persons are not admitted. Meet all legal requirements.

SECTION 8 – PRECAUTIONS TO CONTROL EXPOSURE / PERSONAL PROTECTION

EXPOSURE LIMITS: Contains no substances with occupational exposure limit values.

Engineering Controls: Provide mechanical ventilation or direct exhaustion to the external media. It is recommended safety shower and eye bath available near work site.
Monitoring: Maintain breathing zone airborne concentration below exposure limits.

PERSONAL PROTECTIVE EQUPMENT (PPE):
Eye Protection: Avoid contact with eyes; wear splash-proof chemical goggles, face shield, safety glasses (spectacles) as may be appropriate for exposure.
Respiratory Protection: Prevent inhalation. Use in a well-ventilated location. Ensure airflow and air changes. Use local exhaust ventilation to remove airborne contaminants from employee breathing zone and to keep contaminants below levels listed above. With normal use, the Exposure Limit Value will not usually be reached. When limits approached, use respiratory protection equipment.

SECTION 9 – PHYSICAL AND CHEMCIAL PROPERTIES

Appearance:	colorless liquid	**Odor:**	slightly sweet
pH:	na	**Odor Threshold:**	no data
Melting:	5 °C	**Boiling Range:**	na °C to na °C
Flash Point:	> 110 °C TCC	**Evaporation Rate:**	< 0.01 (n-butyl acetate = 1)
Specific Gravity:	1.25 @20°C)	**Flammability Limits:**	**LEL:** na %; **UEL:** na%
Vapor Density:	na (Air = 1)	**Solubility:**	Partial water.
Viscosity:	> 100 cP @ 25 °C	**Vapor Pressure:**	< 0.011 kPa @ 20°C (68°F)
Auto-ignition Temp:	> 1000 °C	**Decomposition Temperature:**	not listed
VOC Content:	0 %	**Flammability (GHS Hazard category)**	Not flammable

SECTION 10 – STABILITY AND REACTIVITY

Stability: Stable under normal conditions of storage and handling. Polymerization will not occur.
Hazardous decomposition: When heated produces acrid and toxic smoke and fumes composed of carbon oxides.
Conditions to avoid: Contact with incompatible materials.
Incompatible materials: Strong oxidizers.

	HMIS	NFPA
Health	2	2
Flammability	0	1
Reactivity	0	0
Personal Protection	B	

SECTION 11 –TOXICOLOGICAL INFORMATION

Likely routes of Exposure: Ingestion, Eye, Skin

Acute symptoms and effects:

Inhalation: May be harmful if inhaled. May cause respiratory tract irritation.

Eye contact: May cause eye irritation.

Skin contact: May cause skin irritation

Ingestion: May cause gastrointestinal disturbances with nausea, vomiting and diarrhea.

Chronic symptoms and effects: Skin rash/inflammation. Headache. Gastrointestinal complaints.

Reproductive Effects	Teratogenicity	Mutagenicity	Embryo toxicity	Sensitization to Product	Synergistic Products
None expected	None expected	None expected	None expected	None expected	None expected

Toxicity: **LD_{50}** no data **LC_{50}** no data

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity: Not expected to be harmful to fish or invertebrates.

Mobility: No data.

Degradability: No data; expected low persistence and high degradability..

Bioaccumulation: No data; expected low bioaccumulative potential in aquatic organisms.

SECTION 13 – WASTE DISPOSAL CONSIDERATIONS

Follow local and national regulations. Consult disposal experts and your regulatory agency.

SECTION 14 – TRANSPORT INFORMATION

Proper Shipping Name: Not Regulated

Hazard Class: Not Regulated

Secondary Risk: Not Regulated

UN/NA Number: Not Regulated

Packing Group: Not Regulated

Label Required: Not Regulated

Marine Pollutant: No

SECTION 15 – REGULATORY INFORMATION

CERCLA (Superfund) reportable quantity: 5000 lbs

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Immediate Hazard – No Delayed Hazard – No Fire Hazard – No Pressure Hazard – No Reactivity Hazard - No

Section 302 extremely hazardous substance Not Regulated **Section 311/312/313 hazardous chemical** Not Regulated

State regulations

None.

Ingredient Listings Not a hazardous material.

SECTION 16 – OTHER INFORMATION

E-mail address: info@Exxene.com

Intended Use: UV-light curable anti-fog coating for plastic surfaces.

Disclaimer: This product is intended for use by skilled individuals at their own risk. The information contained herein is based on data considered accurate based on current state of knowledge and experience. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. This information does not represent any guarantee of the properties of the product, and Exxene Corporation and its Affiliates shall not be held liable for any damage resulting from handling or contact with the product.