EXXENE CORPORATION

SAFETY DATA SHEET

SP-106 Primer Concentrate

Revision Date: 12/31/2018

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: SP-106 Primer Concentrate

PRODUCT USE: Air-dry or thermal-cure primer coating for plastic surfaces.

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

EMERGENCY: Call (01) 361-991-8391

SECTION 2 – HAZARDS IDENTIFICATION

GHS CLASSIFICATION

Health		Environmental		Physical
Serious eye damage/eye irritation	Category 2B	Acute toxicity:	Not applicable	Flammable liquids
Skin corrosion/irritation	Category 2	Chronic toxicity:	Not applicable	Category 3
Specific target organ toxicity, single exposure	Category 3			

GHS LABEL: 

Signal Word: DANGER

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

Hazard Statements

H225 Highly Flammable liquid and vapour.
H315 + H320 Causes skin and eye irritation
H335 May cause respiratory irritation.

Precautionary Statements

P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking.
P241 Use explosion-proof electrical, ventilating, mixing, handling, and lighting equipment.
P243 Take precautionary measures against static discharge.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

P370 + P378 In case of fire: Use dry chemical or carbon dioxide for extinction.
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.
P304 + P340 IF INHALED: Remove victim to fresh air and Keep at rest in a position comfortable for breathing.
P312 Call a POISON CENTER or doctor/physician if you feel unwell.

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

P501 Dispose of contents/container according to local and national material disposal regulations.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS#	Concentration, %
Ethanol	64-17-5	> 10

SECTION 4 – FIRST AID MEASURES

Contact with eyes: Rinse with water for > 15 minutes. Remove contact lenses, if any and easy to do. Continue rinsing. Seek medical attention if irritation persists. Take SDS.

Skin contact: Remove contaminated clothing and shoes. Wash with plenty of soap and water. Seek medical attention. 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.

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.

SECTION 5 – FIREFIGHTING MEASURES

Suitable Extinguishing Media: Water spray, alcohol resistant foam, dry chemical or carbon dioxide
Unsuitable Extinguishing Media:
Exposure Hazards: Gas/vapor flammable with air within explosion limits.
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. Alcohols burn with a pale blue flame which may be extremely hard to see under normal lighting conditions. Personnel may only be able to feel the heat of the fire without seeing flames. Extreme caution must be exercised in fighting alcohol fires. Fight fire from maximum distance or use unmanned hose holders or monitor nozzles. Cool containers with flooding quantities of water until well after fire is out. Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank. Always stay away from tanks engulfed in fire.

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. Use explosion proof equipment. Keep away from ignition sources. Take measures to prevent buildup of electrostatic charge.
Storage: Store at room temperature. Keep out of direct sunlight. Store in a dry area. Keep container in a well-ventilated place. Fireproof storeroom. Keep locked up. Provide for a tub to collect spills. Provide the tank with earthing/grounding. Unauthorized persons are not admitted. Meet all legal requirements.

SECTION 8 – PRECAUTIONS TO CONTROL EXPOSURE / PERSONAL PROTECTION

EXPOSURE LIMITS:
Expressed in ppm

Component	ACGIH TLV	ACGIH STEL	OSHA PEL	OSHA STEL
Ethanol	1000	1000	1000	1000

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 of the solvent. 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:**	alcohol
pH:	na	**Odor Threshold:**	3 - 610 ppm
Melting:	-4 °C	**Boiling Range:**	80 °C to 100 °C
Flash Point:	35 °C TCC	**Evaporation Rate:**	na (ether = 1)
Specific Gravity:	0.955 @20°C)	**Flammability Limits:**	**LEL:** 3.3 %; **UEL:** 19%
Vapor Density:	1.6 (Air = 1)	**Solubility:**	100% water
Viscosity:	2 cP @ 25 °C	**Vapor Pressure:**	< 59.5 hPa @ 20°C (68°F)
Auto-ignition Temp:	363 °C	**Decomposition Temperature:**	not listed
VOC Content:	0.8 lb/gal	**Flammability (GHS Hazard category)**	3**:**

SECTION 10 – STABILITY AND REACTIVITY

	HMIS	NFPA
Health	2	2
Flammability	3	3
Reactivity	0	0
Personal Protection	H	

Stability: Stable under normal conditions of storage and handling. Polymerization will not occur.
Hazardous decomposition: When heated produces flammable vapor and fumes composed of carbon oxides.
Conditions to avoid: Ignition sources, flame/heat, high temperatures and contact with incompatible materials.
Incompatible materials: Strong oxidizers. Alkali metals, Ammonia, Oxidizing agents, Peroxides, Strong Inorganic Acids.

SECTION 11 –TOXICOLOGICAL INFORMATION

Likely routes of Exposure: Inhalation, Skin, Ingestion

Acute symptoms and effects:

Inhalation: May cause central nervous system disorders with headache, muscle weakness, dizziness and unconsciousness. May cause respiratory irritation with cough and shortness of breath.

Eye contact: Irritating and may cause damage to eyes with redness and pain.

Skin contact: Repeated contact can be Irritating to skin with redness, pain and dryness.

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

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

Reproductive Effects	Teratogenicity	Mutagenicity	Embryo toxicity	Sensitization to Product	Synergistic Products
No information	No information	None	No information	None expected	No information

Toxicity: **LD_{Lo}** (oral, humans): 1,400 mg/kg **LC_{50}** (inhalation, rats, 4h): > 20,000 ppm

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity: Low potential for Ecotoxicity. Fishes (LC50(96h) >10,000 mg/l). Algae (EC50 (72h) >1000 mg/l). Bacteria: 6,500 mg/l

Mobility: No data

Degradability: Expected low persistence and high degradability.

Bioaccumulation: 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: Flammable Liquid, n.o.s.(aminomodified organosilane)

Hazard Class: 3

Secondary Risk:

UN/NA Number: 1993

Packing Group: III

Label Required: Class 3 Flammable Liquid

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

Section 302 extremely hazardous substance Not listed **Section 311/312 hazardous chemical** Ethanol

State regulations

Ethanol can be found on the following right to know lists: California, New Jersey, Pennsylvania, and Massachusetts.

Ingredient Listings USA TSCA, Europe EINECS, Canada DSL, Australia, Korea ECL/TCCL, Japan MITI (ENCS)

SECTION 16 – OTHER INFORMATION

E-mail address: info@Exxene.com

Intended Use: Air-dry or thermal-cure primer 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.