

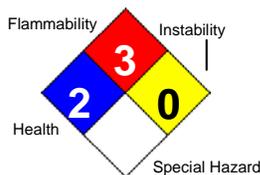
SAFETY DATA SHEET

80 Clear Acrylic Sealer

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1. Product and Company Identification

Product Code: 80-CLEAR
Product Name: 80 Clear Acrylic Sealer
Trade Name: 80 Clear Acrylic Sealer
Manufacturer Information
Company Name: Epoxy Systems, Inc.
20774 W Pennsylvania Ave.
Dunnellon, FL 34431
Phone Number: +1 (352) 489-1666
Emergency Contact: PERS (USA) (800) 633 8253
Alternate Emergency Contact: PERS (International) +1 (801) 629 0667
Intended Use: Industrial Maintenance Coatings

2. Hazards Identification

GHS Classification	Placard	Key word	GHS hazard phrase
Flammable Liquids, Category 3	Flame	Warning	Flammable liquid and vapor
Acute Toxicity: Inhalation, Category 4	Exclamation point	Warning	Harmful if inhaled
Acute Toxicity: Skin, Category 4	Exclamation point	Warning	Harmful in contact with skin
Skin Corrosion/Irritation, Category 2	Exclamation point	Warning	Causes skin irritation

GHS Hazard Phrases

H226 - Flammable liquid and vapor.
H332 - Harmful if inhaled.
H312 - Harmful in contact with skin.
H315 - Causes skin irritation.

GHS Precaution Phrases

P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P240 - Ground/bond container and receiving equipment.
P241 - Use explosion-proof electrical/ventilating/lighting/.../ equipment.
P243 - Take precautionary measures against static discharge.
P242 - Use only non-sparking tools.
P271 - Use only outdoors or in a well-ventilated area.
P264 - Wash hands thoroughly after handling.
P235+410 - Keep cool and protect from sunlight.

GHS Response Phrases

P370+378 - In case of fire, use CO2, Dry Chemical, Foam, or Water Spray (fog) to extinguish. P374 - Fight fire with normal precautions from a reasonable distance.
P303+361+353 - IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. P332+313 - If skin irritation occurs, get medical advice/attention. P363 - Wash contaminated clothing before reuse.

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P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P342+311 - If experiencing respiratory symptoms call a POISON CENTER or doctor/physician.

P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P311 - Call a POISON CENTER or doctor/physician.

GHS Storage and Disposal Phrases

P410 - Protect from sunlight. P403+235 - Store in cool/well-ventilated place.

P501 - Dispose of contents/container to local, state, and federal authority requirements.

Potential Health Effects (Acute and Chronic)

May cause eye irritation. May cause skin irritation. May cause respiratory irritation.

Inhalation

Causes respiratory tract irritation.

Skin Contact

Causes skin irritation.

Eye Contact

Causes eye irritation.

Ingestion

May be harmful if swallowed.

Recommended Exposure Limits

Not established.

Medical Conditions Generally Aggravated By Exposure

Skin disorders, Respiratory disorders, Eye disorders, Skin Allergies.

OSHA Regulatory Status:

This material is classified as hazardous under OSHA regulations.

3. Composition/Information on Ingredients

Hazardous Components (Chemical Name)	CAS #	Concentration
1. Xylene	1330-20-7	80 - 90 %

4. First Aid Measures

Emergency and First Aid Procedures

In Case of Inhalation

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. If experiencing respiratory symptoms: Get medical attention immediately.

In Case of Skin Contact

In case of contact, immediately wash skin with soap and copious amounts of water. Remove contaminated clothing and shoes. Get medical attention if irritation develops or persists.

In Case of Eye Contact

In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

In Case of Ingestion

If swallowed, wash out mouth with water provided person is conscious. Call a physician immediately. Do not induce vomiting. For further assistance, contact your local Poison Control Center.

Signs and Symptoms Of Exposure

May cause rash on skin, and redness in eyes. May cause coughing by inhalation of a mist or spray.

5. Fire Fighting Measures

Flammability Classification: 3

Flash Pt: > 65.00 F Method Used: Closed Cup

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Explosive Limits: LEL: NE UEL: NE**Autoignition Pt:** > 700.00 F

Fire Fighting Instructions

Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Flammable Properties and Hazards

Flammable liquid. Keep away from heat. Keep away from sources of ignition.

Hazardous Combustion Products

Hazardous decomposition products formed under fire conditions. Carbon oxides, acrylic monomers.

Suitable Extinguishing Media

Dry chemical, CO₂, water spray or regular foam.

Unsuitable Extinguishing Media

Do not use a direct water stream, which may spread fire.

6. Accidental Release Measures

Steps To Be Taken In Case Material Is Released Or Spilled

PROCEDURE TO BE FOLLOWED IN CASE OF LEAK OR SPILL.

Ventilate the area before entry. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Absorb with sand or vermiculite and place in closed containers for disposal. Use clean non-sparking tools to collect absorbed material.

Protective Precautions, Protective Equipment and Emergency Procedures

Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves. Where splashing is possible, full chemically resistant protective clothing, and boots are required.

Environmental Precautions

Prevent entry into waterways, sewers, basements or confined areas.

7. Handling and Storage

Hazard Label Information:

Keep away from sources of ignition. Avoid inhalation of vapor or mist. Use only in a well ventilated area. Store away from heat.

Precautions To Be Taken in Handling

Read product SDS and all labels before use. Ground and bond containers when transferring material. Provide adequate ventilation. Do not breathe vapor. Do not get in eyes, on skin or on clothing. Keep away from heat, sparks, and flame.

Precautions To Be Taken in Storing

Store away from sparks, flames. Store in cool/well-ventilated place. Store in a tightly closed container.

Other Precautions

Wash thoroughly after handling.

8. Exposure Controls/Personal Protection

Hazardous Components (Chemical Name)	CAS #	OSHA PEL	ACGIH TWA	Other Limits
1. Xylene	1330-20-7	PEL: 100 ppm	TLV: 100 ppm STEL: 150 ppm	No data.

Protective Equipment Summary - Hazard Label Information:

Neoprene gloves Safety glasses, or goggles. Impervious clothing. Chemical resistant boots

Respiratory Equipment (Specify Type)

Use local exhaust ventilation to maintain airborne concentrations below the TLV, or if values are unknown. Suitable respiratory equipment should be used in cases of insufficient ventilation or where operational procedures demand it. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

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Eye Protection

Safety glasses, or goggles.

Protective Gloves

Nitrile rubber and Neoprene are recommended. Check during use that the gloves are still retaining their protective properties.

Other Protective Clothing

Where splashing is possible, full chemically resistant protective clothing, safety glasses or face shield and boots are required.

Engineering Controls (Ventilation etc.)

Good general ventilation should be sufficient to control airborne levels. Safety shower and eye bath.

Work/Hygienic/Maintenance Practices

Wash contaminated clothing before reuse. Discard contaminated shoes. Wash thoroughly after handling.

Environmental Exposure Controls

Avoid runoff into storm sewers and ditches which lead to waterways. May be hazardous to the environment if released in large quantities.

9. Physical and Chemical Properties

Physical States:	[] Gas [X] Liquid [] Solid
Melting Point:	NE
Boiling Point:	~ 277.00 F
Decomposition Temperature:	NE
Autoignition Pt:	> 700.00 F
Flash Pt:	> 65.00 F Method Used: Closed Cup
Explosive Limits:	LEL: NE UEL: NE
Specific Gravity (Water = 1):	~ .903
Density:	~ 7.53 LB/GL
Vapor Pressure (vs. Air or mm Hg):	NE
Vapor Density (vs. Air = 1):	NE
Evaporation Rate:	NE
Solubility in Water:	No data.
Solubility Notes	
	Insoluble.
Percent Volatile:	~ 83 % by weight.
VOC / Volume:	~ 6.2500 LB/GL
HAP / Volume:	~ 6.2500 LB/GL
Saturated Vapor Concentration:	NE

Appearance and Odor

Appearance: Clear.

Odor: Solvent odor.

10. Stability and Reactivity

Stability: Unstable [] Stable [X]

Reactivity

Avoid: acids, alkalis, oxidizing agents.

Conditions To Avoid - Instability

Extreme temperatures.

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Incompatibility - Materials To Avoid

Avoid strong acids, bases, and oxidizing agents.

Hazardous Decomposition Or Byproducts

Thermal decomposition may produce smoke, carbon monoxide, carbon dioxide, acrylic monomers.

Possibility of Hazardous

Will occur [] Will not occur [X]

Polymerization:

Conditions To Avoid - Hazardous Reactions

Will not undergo hazardous polymerization in normal storage conditions.

11. Toxicological Information

Toxicological Information

Hazardous in case of skin contact (irritant, permeator), of ingestion, of inhalation. High concentrations may cause central nervous system depression resulting in headaches, dizziness and nausea.

CAS# 1330-20-7:

Acute toxicity, LD50, Oral, Rat, 4300. MG/KG.

Results:

Liver: Other changes.

Kidney, Ureter, Bladder: Other changes.

- AMA Archives of Industrial Health., For publisher information, see AEHLAU, Chicago, IL, Vol/p/yr: 14,387, 1956

Acute toxicity, LC50, Inhalation, Rat, 5000. PPM, 4 H.

Results:

Behavioral: Convulsions or effect on seizure threshold.

Behavioral: Ataxia.

Lungs, Thorax, or Respiration: Dyspnea.

- Raw Material Data Handbook, Vol.1: Organic Solvents, 1974., National Assoc. of Printing Ink Research Institute, Francis McDonald Sinclair Memorial Labor, Lehigh Univ., Bethlehem, PA 18015, Vol/p/yr: 1,123, 1974

Chronic Toxicological Effects

May cause damage to the following organs: blood, kidneys, liver, mucous membranes, bone marrow, central nervous system (CNS).

Irritation or Corrosion

Moderate irritation effect. Skin Irritation. Irritating to eyes. Respiratory irritant.

Symptoms related to Toxicological Characteristics

Skin Irritation. May cause rash on skin, and redness in eyes. May cause coughing by inhalation of a mist or spray.

Carcinogenicity/Other Information

Ethylbenzene is classified by IARC as possibly carcinogenic to humans (2B) based on inadequate evidence in humans and sufficient evidence in laboratory animals.

Hazardous Components (Chemical Name)	CAS #	NTP	IARC	ACGIH	OSHA
1. Xylene	1330-20-7	n.a.	3	A4	n.a.

12. Ecological Information

General Ecological Information

Avoid release to the environment. May be hazardous to the environment if released in large quantities.

Results of PBT and vPvB assessment

No data available.

Persistence and Degradability

Not readily biodegradable.

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Bioaccumulative Potential

No data available.

Mobility in Soil

not reported, unknown.

13. Disposal Considerations

Waste Disposal Method

Do not re-use empty containers. Do not burn, or use a cutting torch on, the empty drum. Dispose of this product, product solutions and its container according to federal, state and local authority requirements. Liquids cannot be disposed of in a landfill. Empty containers may contain product residue. Care should be taken while handling and disposing of empty containers that contain residue.

14. Transport Information

LAND TRANSPORT (US DOT)

DOT Proper Shipping Name	Resin solution, [flammable]
DOT Hazard Class:	3
DOT Hazard Label:	FLAMMABLE LIQUID
UN/NA Number:	UN1866
Packing Group:	III
Precautionary Label	Warning! Flammable Liquid. May be harmful if swallowed. May cause skin, eye, and respiratory irritation. Vapors may be harmful to the respiratory tract. Always read Safety Material Data Sheet before use.

AIR TRANSPORT (ICAO/IATA)

ICAO/IATA Shipping Name	Resin solution, [flammable]
UN Number:	1866
Hazard Class:	3 - FLAMMABLE LIQUID
Packing Group:	III

MARINE TRANSPORT (IMDG/IMO)

IMDG/IMO Shipping Name	Resin solution, [flammable]
UN Number: Hazard	1866
Class: Packing	3 - FLAMMABLE LIQUID
Group: IMDG EMS	III
Number: Marine	FE,SE
Pollutant:	No

15. Regulatory Information

US EPA SARA Title III

Hazardous Components (Chemical Name)	CAS #	Sec.302 (EHS)	Sec.304 RQ	Sec.313 (TRI)	Sec.110
1. Xylene	1330-20-7	No	Yes 100 LB	Yes	Yes

Regulatory Information

SARA Section 311/312: Fire, Acute, Chronic.

16. Other Information

CA=CIRCA NA=NOT AVAILABLE NE=NOT ESTABLISHED NR=NOT REGULATED NP= NOT APPLICABLE PR=PROPRIETARY TS=TRADE SECRET ?=UNKNOWN.

Company Policy or Disclaimer

The information contained in this MSDS is taken from sources believed to be accurate as of the date hereof; however Epoxy Systems, Inc. makes no expressed or implied warranty in respect to the accuracy of the information or the suitability of the recommendations, and assumes no liabilities to any user thereof.

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