

# SAFETY DATA SHEET



Date Issued: 08/18/2021  
SDS No.: LSAver2  
Version No.: 3

## Liquid SEER Acrylic Coating

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Liquid SEER

#### MANUFACTURER

MechTech Metals, Inc.  
Corporate Office  
3632 W Thomas STE 2  
Pheonix, Arizona 85019  
Web Site: liquidseer.com  
Customer Service: (602) 455-4376  
Tech Support: info@liquidseer.com

### 2. HAZARDS IDENTIFICATION

#### GHS CLASSIFICATIONS

##### Health:

Skin Irritation:	Category 2
Acute Toxicity (Inhalation):	Category 4
Acute Toxicity (Dermal):	Category 4
Aspiration Hazard:	Category 1
Eye Irritation:	Category 2
Specific Target Organic Toxicity – Single Exposure	Category 3
Specific Target Organic Toxicity – Repeated Exposure	Category 2

##### Physical:

Flammable Liquids:	Category 3
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#### GHS LABELS



Flame



Exclamation  
Mark



Target Organ  
Effects

**SIGNAL WORD:** DANGER

#### HAZARD STATEMENTS:

H225 Highly flammable liquid and vapor.  
H304 May be fatal if swallowed and enters airways.  
H312 Harmful in contact with skin.

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- H315 Causes skin irritation.
- H319 Causes serious eye irritation
- H332 Harmful if inhaled
- H335 May cause respiratory irritation
- H336 May cause drowsiness or dizziness
- H373 May cause damage to organs through prolonged or repeated exposure if inhaled.
- H401 Toxic to aquatic life.
- H412 Harmful to aquatic life with long lasting effects.

## PRECAUTIONARY STATEMENTS

### Prevention:

- P210 Keep away from heat/sparks/open flames/hot surfaces. No Smoking.
- P233 Keep container tightly closed.
- P235 Keep container cool.
- P240 Ground/bond container and receiving equipment.
- P241 Use explosion proof electrical/ventilating/lighting equipment.
- P242 Use only non-sparking tools.
- P243 Take precautionary measure against static discharge.
- P260 Do not breathe dust/fume/gas/mist/vapors/spray
- P264 Wash skin thoroughly after handling.
- P270 Do not eat/drink/or smoke when using this product.
- P271 Use only outdoors or in a well-ventilated area.
- P273 Avoid release to the environment.
- P280 Wear protective gloves, eye protection/face protection.

### Response:

- P302+P303+P352+P353+P361 IF ON SKIN: Remove/take off immediately contaminated clothing. Rinse skin with soap and water.
- P370+P378 IN CASE OF FIRE: Use water spray, alcohol resistant foam, dry chemical, or carbon dioxide for extinction.
- P313+P332 IF SKIN IRRITATION OCCURS: Get medical advice/attention.
- P301+P310+P330+P331 IF SWALLOWED: Rinse Mouth. Do not induce vomiting. Immediately call a poison center or doctor.
- P305+P338+P351 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
- P313+P337 IF EYE IRRITATION PERSISTS: Get medical advice/attention.
- P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in position comfortable for breathing.

### Storage:

- P235 + P403 Store in a well-ventilated place. Keep cool.

### Disposal:

- P501 Dispose of contents/container in accordance with all federal, state, and local regulations.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>Weight Percent</u>	<u>CAS</u>
Acrylic Resin (Proprietary)	5-30	-

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Xylenes	25-75	1330-20-7
Synthetic Graphite (Proprietary)	0.1-10	-
Acetone	25-75	67-64-1

## 4. FIRST AID MEASURES

- EYES:** Flush eyes with plenty of water for at least 15 minutes and consult a doctor.
- SKIN:** Wash off immediately with soap and water while removing contaminated clothing. If symptoms persist or in case of doubt, seek medical advice.
- INGESTION:** If swallowed, call a poison control center or doctor immediately. Do not induce vomiting. Never give anything by mouth to an unconscious person. If vomiting occurs, keep head below hips to prevent aspiration into lungs.
- INHALATION:** Remove to fresh air. If breathing is stopped, administer artificial respiration. Give oxygen if short of breath. Call a doctor immediately.

## 5. FIREFIGHTING MEASURES

- FLAMMABLE CLASS:** Category 3 Flammable Liquid
- EXTINGUISHING MEDIA:** Alcohol resistant foam, carbon dioxide or dry chemical.
- EXPLOSION HAZARDS:** Vapors may form an explosive mixture with air. Use water to disperse the vapors. Flashback possible
- FIRE FIGHTING PROCEDURES:** Evacuate non-essential personnel. Extinguish all ignition sources. Use water to cool exposed containers and structures until fire is extinguished. Avoid spreading burning material with cooling water.
- FIRE FIGHTING EQUIPMENT:** Wear positive pressure, NIOSH approved, self-contained breathing apparatus.

## 6. ACCIDENTAL RELEASE MEASURES

- CONTAINMENT/CLEANING:** Evacuate personnel to safe location. Remove all ignition sources. Stop spill at source. Contain spill then collect with non-combustible absorbent material. Place contaminated absorbent in container for disposal according to federal, state and local regulations. Prevent spill from entering drains, sewers, streams, or other bodies of water.

## 7. HANDLING AND STORAGE

- HANDLING:** Keep away from ignition sources. Use explosion proof electrical equipment. Ground all containers and mixing equipment during transfer operations or mixing. Do not ingest or breathe fumes. Avoid contact with eyes and skin. Always wear proper PPE. Work in a well ventilated area. Use a NIOSH-approved respirator if exposure limits are exceeded.
- STORAGE:** Store in a cool, dry, ventilated area. Avoid high heat, static discharge or ignition sources. Keep container closed when not in use.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**ENGINEERING MEASURES:** Air contaminant levels should be controlled below the PEL or TLV. Ensure adequate ventilation. Use explosion-proof equipment.

**PERSONAL PROTECTIVE EQUIPMENT:**

**EYES AND FACE:** Safety glasses

**SKIN:** Wear suitable protective clothing and impermeable gloves. Maintain eyewash and safety shower near work area in case of exposure.

**INHALATION:** Use NIOSH approved respiratory protection. Use of product should be limited to well-ventilated areas.

**EXPOSURE GUIDELINES**

**Xylene:** OSHA TWA 100 ppm, OSHA STEL 150 ppm, ACGIH TWA 100 ppm, ACGIH STEL 150 ppm

**Acetone:** OSHA PEL 200 ppm, ACGIH TWA 200 ppm, ACGIH STEL 300 ppm

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Liquid

**ODOR:** Characteristic

**ODOR THRESHOLD:** No data available

**APPEARANCE:** Black liquid

**pH:** N/A

**PERCENT VOLATILES:** 50 to 75 %

**FLASH POINT:** 21 °F

**FLAMMABLE LIMITS:** 1.5 % to 11.5 %

**AUTOIGNITION TEMPERATURE:** 465 °C

**BOILING POINT:** 56 °C

**MELTING POINT:** -95 °C

**SOLUBILITY IN WATER:** Insoluble

## 10. STABILITY AND REACTIVITY

**STABILITY:** Stable under normal conditions of storage and use.

**HAZARDOUS POLYMERIZATION:** No.

**POLYMERIZATION:** Under normal reaction conditions, hazardous reactions do not occur.

**REACTIVITY:** Vapors may form explosive mixture with air.

**CONDITIONS TO AVOID:** Extremes of temperature and direct sunlight.

## 11. TOXICOLOGICAL INFORMATION

**XYLENE**

**Acute Dermal Toxicity:** LD50 Rabbit > 1,700 mg/kg

**Acute Inhalation:** LC50 Rat 29.09 mg/L

**Acute Oral Toxicity:** LD50 Rat 3,523 mg/kg

**Skin Irritation:** Moderate skin irritation

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**Eye Irritation:** Serious eye Irritation

**Carcinogenicity:** Not listed as a carcinogen

**Teratogenic Effects:** No known teratogenic effects

**Mutagenicity:** No known mutagenic effects

### ACETONE

**Acute Dermal Toxicity:** LD50 Rabbit > 2,000 mg/kg

**Acute Inhalation:** LC50 Rabbit > 20 mg/L

**Acute Oral Toxicity:** LD50 Rat 2,000 mg/kg

**Skin Irritation:** Slight irritation

**Eye Irritation:** Eye Irritant

**Carcinogenicity:** Not listed as a carcinogen

**Teratogenic Effects:** No data available

**Mutagenicity:** No known mutagenic effects

## 12. ECOLOGICAL INFORMATION

### XYLENE

**Toxicity to Fish:** LC50 Rainbow Trout (96 hours) = 2.6 mg/L

**Toxicity to Algae:** EC50 Green Algae (73 hours) = 4.36 mg/L

**Biodegradation:** Readily biodegradable

**Bioaccumulative Potential:** Rainbow Trout (56 d) = 1.3 mg/L

**Mobility in Soil:** No data available

**Other Adverse Effects:** No data available

### ACETONE

**Toxicity to Aquatic Invertebrates:** EC50 Water Flea (48 hours) > 100 mg/L

**Biodegradation:** Readily biodegradable

**Bioaccumulative Potential:** Accumulation is not expected

**Mobility in Soil:** No data available

**Other Adverse Effects:** This substance is not considered persistent, bioaccumulating, and toxic (PBT)

### COATING MIXTURE

**Environmental Data:** Environmental studies have not been performed on this mixture

**Toxicity to Aquatic Invertebrates:** EC50 Water Flea (48 hours) > 100 mg/L

**Toxicity to Algae:** EC50 Green Algae (72 hours) 9.1 mg/L

**Environmental Precautions:** Do not discharge into ground soil, sewage, drains, streams or other bodies of water

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## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Disposal should be in accordance with all federal, state and local regulations. Empty containers may still be considered dangerous due to residual vapors/liquids/dust.

**RCRA/EPA WASTE INFORMATION:** This material and containers that are not empty should be handled like the product itself.

## 14. TRANSPORTATION INFORMATION

### DEPARTMENT OF TRANSPORTATION (DOT)

**Proper Shipping Name:** Paint

**Primary Hazard Class/Division:** 3

**UN/NA Number:** 1263

**Packaging Group:** II

**ERG:** 128

### AIR (ICAO/IATA)

**Proper Shipping Name:** Paint

**Primary Hazard Class/Division:** 3

**UN/NA Number:** 1263

**Packaging Group:** II

**ERG:** 127

### VESSEL (IMO/IMDG)

**Primary Hazard Class/Division:** 3

**UN/NA Number:** 1263

**Packaging Group:** II

## 15. REGULATORY INFORMATION

### UNITED STATES

#### SARA Title III

##### 302/304 Emergency Planning

**Emergency Plan:** Xylene (CAS No. 1330-20-7)

**Threshold Quantity:** 1000 pounds

**311/312 Hazard Categories:** Fire Hazard, Acute Health Hazard and Chronic Health Hazard.

**313 Reportable Ingredients:** Xylene

#### CERCLA

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**CERCLA Regulatory:** Xylene

**CERCLA RQ:** 100 pounds

## TSCA

**TSCA Regulatory:** Not listed

## OSHA

**49 CFR 1910.119:** Process Safety Management of Highly Hazardous Chemicals

**Hazard Communication:** Not listed

## California

**Proposition 65:** No components listed

**RCRA STATUS:** D001

**CLEAN WATER ACT:** Listed

## 16. OTHER INFORMATION

**Prepared by:** MechTech Metals, Inc.

**Revision History:** Version 1

**Statement:** The contents and format of this SDS are in accordance with OSHA GHS Regulation 29 CFR 1910.1200.

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