1. **Section 1 – Identification**

**Product Name:** Liquidy Split Ultra UV – Epoxy Hardener  
**Product Class:** Epoxy Hardener  
**Manufacturer/Supplier:** KSRESIN  
**Supplier:** 459 Denver Ave  
**Telephone:** 833-683-0033  
**Emergency:** 800-424-9300 (ChemTrec)

2. **Section 2 – Hazard(s) Identification**

**Form:** Viscous Liquid  
**OSHA/HCS Status:**  
- Skin Irritation – Category 2  
- Eye Irritation – Category 1  
- Skin Sensitization – Category 1  
- Acute Toxicity Oral – Category 4  
- Metal Corrosion – Category 1

**Hazard Pictograms:**

**Signal Word:** Danger  
**Hazard Statement:** Maybe corrosive to metals  
Harmful if swallowed.  
Causes severe skin burns and eye damage. May cause an allergic skin reaction.

**Precautionary statements**  
**Prevention:**  
Do not handle until all safety precautions have been read and understood.  
Wear protective gloves/protective clothing/eye protection/face protection.  
Avoid breathing dust/fume/gas/mist/vapors/spray.
Do not eat, drink, or smoke when using this product. Wash skin thoroughly after handling. Use personal protective equipment as required.

Response:
IF ON SKIN: Remove immediately all contaminated clothing. Rinse skin with water/shower. Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse.

If skin irritation or rash occurs: Seek medical advice/attention.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

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

Disposal:
Dispose of contents/container to hazardous or special waste collection point.

3. Section 3 – Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS#</th>
<th>Concentration % (Weight)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isophoronediamine</td>
<td>2855-13-12</td>
<td>&lt; 60%</td>
</tr>
<tr>
<td>Nonylphenol</td>
<td>84852-15-3</td>
<td>&lt; 50%</td>
</tr>
<tr>
<td>Benzyl Alcohol</td>
<td>100-51-6</td>
<td>&lt; 40%</td>
</tr>
<tr>
<td>Polyetheramine</td>
<td>39423-51-3</td>
<td>&lt; 20%</td>
</tr>
<tr>
<td>Trimethylhexamethylenediamine</td>
<td>25620-58-0</td>
<td>&lt; 5%</td>
</tr>
<tr>
<td>Proprietary</td>
<td>Proprietary</td>
<td>0 - 15%</td>
</tr>
</tbody>
</table>

4. Section 4 – First-Aid Measures

Consult a physician. Seek medical advice. If breathing has stopped or is labored, give assisted respirations. Supplemental oxygen may be indicated. If the heart has stopped, trained personnel should begin cardiopulmonary resuscitation immediately.

After skin contact: Immediately remove contaminated clothing, and any extraneous chemical, if possible to do so without delay.
Section 6 – Accidental Release Measures

Personal Precautions:
Use personal protective equipment (PPE). Avoid breathing vapors, mist, or gas.

Use personal protective clothing. Ensure adequate ventilation.

Measures for Environmental Protection:
Construct a dike to prevent spreading.

Measures for spill:
Spills should be contained, solidified, and placed in suitable containers for disposal.

Section 7 – Handling and Storage

Handling:
Avoid contact with skin. Wear appropriate PPE. Avoid inhalation of vapor.
Use personal protective equipment. Use only in well-ventilated areas.
When using do not eat, drink, or smoke.

Storage:
Segregate from acids and acid forming substances. Containers should be stored tightly sealed in a dry place. Keep container tightly closed and in a well-
ventilated place. Keep away from sources of ignition – no smoking. Keep container tightly closed.

8. Section 8 – Exposure Controls/Personal Protection

General protective and hygienic measures:
Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reuse. Ensure that eyewash stations and safety showers are close to the workstation location.

Breathing Equipment:
Wear a NIOSH-certified (or equivalent) organic vapor/particulate respirator when ventilation is inadequate. Do not exceed the maximum use concentration for the respirator facepiece/cartridge combination. For emergency or non-routine, high exposure situations, use a NIOSH-certified full facepiece pressure demand self-contained breathing apparatus (SCBA) or a full facepiece pressure demand supplied-air respirator (SAR) with escape provisions.

Protection of skin:
Butyl-rubber, nitrile rubber, neoprene, PVC disposable, or otherwise impervious gloves should be worn. Depending on exposure, wear head protection, apron, boots, chemical-protection suit, long-sleeve shirt, trousers without cuffs.

Protection of eyes:
Wear face shield or tightly fitting safety goggles if splashing hazard exists.

Exposure limit(s)
Benzyl Alcohol
Time Weighted Average: WEEL
10 ppm
44.20 mg/m³

9. Section 9 – Physical and Chemical Properties

Form: Liquid
Odor: Ammoniacal
Color: Clear to yellow
pH: Alkaline, 11-12
Melting point: No data available
Boiling point: > 210°C
Flash point: > 100°C
Flammability: Not flammable
Lower explosion limit: Not applicable
Upper explosion limit: Not applicable
Autoignition: No data available
Vapor pressure: < 1.00 mmHg at 70°F (21°C)
Density: 61.804 lb/ft³ (0.99 g/cm³) at 70°F (21°C)
Viscosity, dynamic: 1,500 – 2,000 CPS
Solubility in water: Not very soluble (<1%)
Evaporation rate: < Ether

10. Section 10 – Stability and Reactivity

Reactivity: No data available.
Corrosion to metals: May be corrosive to metals.
Chemical Stability: The product is stable under normal conditions.
Conditions to Avoid: No data available.

Incompatible materials:
Sodium hypochlorite. CAUTION! N-Nitrosamines, many of which are known to be potent carcinogens, may be formed when the product comes in contact with nitrous acid, nitrites or atmospheres with high nitrous oxide concentrations. Nitrous acid and other nitrosating agents. Reactive metals (e.g. sodium, calcium, zinc etc.). Materials reactive with hydroxyl compounds. Organic acids (i.e. acetic acid, citric acid etc.). Mineral acids. Product slowly corrodes copper, aluminum, zinc and galvanized surfaces. Reaction with peroxides may result in violent decomposition of peroxide possibly creating an explosion. Oxidizing agents.


11. Section 11 – Toxicological Information

Effects on Eye: Severe eye irritation.
Effects on Skin: If absorbed through the skin, may cause central nervous system effects, such as headache, nausea, dizziness, confusion, breathing difficulties.
Inhalation Effects: May cause central nervous system effects, such as headache, nausea, dizziness, confusion, breathing difficulties. Severe cases of overexposure can result in respiratory failure. May cause nose, throat, and lung irritation. Inhalation of vapors and/or aerosols in high concentration may cause irritation of respiratory system.
Ingestion Effects: Harmful if swallowed. May cause central nervous system effects, such as headache, nausea, vomiting, abdominal pain, dizziness, confusion, breathing difficulties. Severe cases of overexposure can result in respiratory failure.
Symptoms: Repeated and/or prolonged exposure to low concentrations of vapors and/or aerosols may cause sore throat, neurological disorders, asthma, skin disorders, allergies, and eye disease.
Acute Oral Toxicity: LD50: > 50 - <200 mg/kg Species: Rat.

Inhalation: No data is available on the product itself. Inhalation - Components Benzyl alcohol: LC50 (4h): > 4.178 mg/l OECD Test Guideline 403 Species: Rat.

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

Skin corrosion/irritation: Severe skin irritation. Corrosive to the skin of a rabbit.

Serious Eye Damage/Eye Irritation: Severe eye irritation.

Sensitization: May cause sensitization by skin contact.

Chronic Toxicity or Effects from Long Term Exposures

Carcinogenicity: No data available.

Reproductive Toxicity: No data is available on the product itself.

Germ Cell Mutagenicity: No data is available on the product itself.

Specific Target Organ Systemic Toxicity (single exposure): No data available.

Specific Target Organ Systemic Toxicity (repeated exposure): No data available.

This product contains no listed carcinogens according to IARC, ACGIH, NTP and/or OSHA in concentrations of 0.1 percent or greater. Prolonged contact may result in chemical burns and permanent damage. Repeated or prolonged contact causes sensitization, asthma and eczemas. Neurological disorders, Asthma, Skin disorders and Allergies, Eye disease.

Rats exposed orally to 800 mg/kg benzyl alcohol for thirteen weeks exhibited CNS depression and histopathological changes in the brain, thymus and skeletal muscles. The No Observed Adverse Effect Level (NOAEL) was 400 mg/kg. No evidence of carcinogenicity was seen in a two-year study with rats and mice.

12. Section 12 – Ecological Information

Toxicity
Aquatic toxicity: No data is available on the product itself.
Toxicity to fish:
Benzyl alcohol LC50 (96h): 10 mg/l Species: Bluegill sunfish (Lepomis macrochirus)
Benzyl alcohol LC50 (96h): 460 mg/l Species: Fathead minnow (Pimephales promelas)

Toxicity to algae:
Benzyl alcohol LC50 (72h): 700 mg/l Species: Algae

Toxicity to other organisms: No data available.

Persistence and degradability
Biodegradability: No data is available on the product itself.
Mobility: No data available.
Bioaccumulation: No data is available on the product itself.

Bioaccumulation:
Benzyl alcohol Low bioaccumulation potential.

13. Section 13 – Disposal Considerations

Waste Disposal: Dispose of in a licensed facility. Do not discharge into waterways or sewer systems without proper authorization. Dispose in accordance with all applicable regulations.

Container Disposal: Dispose of in a licensed facility. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

14. Section 14 – Transport Information

DOT/IATA:

Proper Shipping Name: Amines, liquid, corrosive, n.o.s., (Trimethylhexane-1,6-diamine)
UN Number: UN 2735
Class: 8
Packing Group: III

15. Section 15 – Regulatory Information

Toxic Substance Control Act (TSCA) 12(b)
Component(s): None.

EPA SARA Title III Section 312 (40CFR370) Hazard Classification: Acute Health Hazard
EPA SARA Title III Section 313 (40CFR372) Component(s) above 'de minimus' level: None.

US. California Safe Drinking Water & Toxic Enforcement Act (Proposition 65)
This product does not contain any chemicals known to State of California to cause cancer, birth defects or any other harm.
16. Section 16 – Other Information

The information provided herein was believed by KSRESIN (Kreative Surfaces LLC.) to be accurate at the time of preparation or prepared from sources believed to be reliable, but it is the responsibility of the user to investigate and understand other pertinent sources of information, to comply with all laws and procedures applicable to the safe handling and use of the product and determine the suitability of the product for its intended use. All products supplied by KSRESIN are subject to KSRESIN’s terms and conditions of sale. KSRESIN MAKES NO WARRANTY, EXPRESS OR IMPLIED, CONCERNING THE PRODUCT OR THE MERCHANTABILITY OF ANY INFORMATION PROVIDED BY KSRESIN, except that the product shall conform to KSRESIN specifications. Nothing contained herein constitutes an offer for the sale of any product.

To determine applicability or effects of any law or regulation with respect to the product, user should consult his legal advisor or the appropriate government agency. KSRESIN does not undertake to furnish advice on such matters.