

# MATERIAL SAFETY DATA SHEET (MSDS)

## R-EPOXY UV



### SECTION 1. Identification of the substance/preparation and company

<b>1.1 Product Identification</b>	Ryver Epoxy
<b>1.2 Model No.</b>	R-Epoxy UV
<b>1.3 Recommended Use</b>	Decorative and protective epoxy coating for artwork/creative applications
<b>1.4 Applicant Name</b>	
<b>1.5 Applicant Address</b>	Ryver Epoxy, 1200 Hernest-Harnois Joliette. Canada
<b>1.6 Manufacturer Name</b>	Ryver Epoxy
<b>1.7 Manufacturer Address</b>	: Same
<b>1.8 Manufacturer Tel / Fax</b>	450 753-7767
<b>1.9 Manufacturer Email</b>	Simon@ryverepoxy.com
<b>1.10 Emergency Phone</b>	Canutec Canada 24h 613-996-6666

### SECTION 2. Hazards identifications

#### 2.1 Hazard Classification of substance or mixture(GHS):

Skin corrosion/irritation category 2

Sensitization skin category 1

Serious eye damage/eye irritation category 2A

Specific target organ toxicity, single exposure; Respiratory tract irritation category 3

Hazardous to the aquatic environment, long-term hazard category 2

#### 2.2 Pictograms:



# Material Safety Data Sheet

## 2.3 Signal word:

Warning

## 2.4 Hazard description:

H315:Causes skin irritation

H317:May cause an allergic skin reaction

H319:Causes serious eye irritation

H335:May cause respiratory irritation

H411:Toxic to aquatic life with long lasting effects

## 2.5 Precautionary description:

P261:Avoid breathing dust/fume/gas/mist/vapours/spray.

P264:Wash ... thoroughly after handling.

P271:Use only outdoors or in a well-ventilated area.

P272:Contaminated work clothing should not be allowed out of the workplace

P273:Avoid release to the environment.

P280:Wear protective gloves/protective clothing/eye protection/face protection.

## SECTION 3. Composition / information on ingredients

The difference between the single product and mixture: Mixture

<b>A</b>			
<b>Substance name</b>	<b>Conc. (%)</b>	<b>CAS.</b>	<b>EC.</b>
Epoxy resin	90	25068-38-6	500-033-5
Modified defoamer	10	9006-65-9	618-433-4
<b>B</b>			
<b>Substance name</b>	<b>Conc. (%)</b>	<b>CAS.</b>	<b>EC.</b>
Modified Amine	85	6334-25-4	613-204-5
Modified Polymer Antioxidants	15	183545-41-7	/

## SECTION 4. First aid measures

General advice: Immediate medical attention is required. Show this safety data sheet (MSDS) to the doctor in attendance.

### 4.1 Following eye contact:

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing. Consult a physician if feeling uncomfortable.

# Material Safety Data Sheet

---

## **4.2 Following skin contact:**

Wash with soap and water. Consult a physician if feeling uncomfortable.

## **4.3 Following inhalation:**

Move victim into fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration and consult a physician immediately.

## **4.4 Following ingestion:**

If it is ingested, rinse the mouth with water.

Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or Poison Control Center immediately.

## **SECTION 5. Firefighting measures**

### **5.1 Special hazards arising from the substance or mixture:**

Not considered to be a fire hazard. Not easily ignited by fire.

### **5.2 Extinguishing Media:**

Dry powder, Chemical foam, Carbon dioxide, water mist.

### **5.3 Advice for firefighters:**

As in any fire, wear self-contained breathing apparatus (MSHA/NIOSH approved or equivalent) and full protective gear.

Extinguish fire in a safe distance with enough protection

Prevent fire extinguishing water from contaminating surface water or the ground water system.

### **5.4 Hazardous combustion products:**

No data available.

## **SECTION 6. Accidental release measures**

### **6.1 Personal precautions, protective equipment and emergency procedures:**

Avoid contact with eyes and skin.

Ensure adequate ventilation. Clear all fire sources.

Evacuate personnel to safe areas. Keep people away from upwind of spill/leak.

Wear appropriate protective measures (SEE SECTION 8).

### **6.2 Environmental precautions:**

Do not empty into drains. If the product contaminates lakes, rivers or sewages, inform appropriate authorities in accordance with local regulations.

# Material Safety Data Sheet

## 6.3 Cleaning method:

Remove by liquid absorbing material (e.g. kieselguhr) . Adhered or collected material should be promptly disposed of. Disposal of discarded waste/pollutants refers to SECTION 13.

## SECTION 7. Safe handling and storage

### 7.1 Handling Notes:

Keep away from fire and heat.

Avoid sun exposure.

Keep indoor ventilation or local exhaust device.

Handle lightly when handling to prevent damage to packaging and containers.

Equipped with corresponding varieties and quantities of fire fighting equipment and leakage emergency treatment equipment.

### 7.2 Storage Notes:

Keep away from fire and heat.

Store in a well-ventilated place. Keep cool.

The storage area should be equipped with leakage emergency treatment equipment and suitable containment materials.

Stored in compatible containers.

Keep storage containers sealed.

Do not store with incompatible material (see section 10.2)

## SECTION 8. Exposure controls / personal protection

### 8.1 Occupational Exposure Limit:

No information found

### 8.2 Engineering Control:

Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Ensure that eyewash stations and safety showers are proximal to the work-station location.

### 8.3 Respiratory Protection:

Wear filter mask.

If exposure limits are exceeded or if irritation or other symptoms are experienced, use a full-face

# Material Safety Data Sheet

respirator with multi-purpose combination (US) or type AXBEK (EN 14387) respirator cartridges.

### 8.4 Eyes Protection:

Wear protective goggle in working time.( Comply with the European Union EN 166 or The U.S. NIOSH standard.)If contacting with eyes, flush with plenty of water, If you have discomfort, seek medical advice

### 8.5 Hands Protection:

Wear protective gloves (such as butyl rubber), passing the tests according to EN 374(EU),US F739 or AS/NZS 2161.1 standard.Wash with plenty of water if gloves puncture or skin exposure.

### 8.6 Sanitary Measure:

Forbid smoking, eating and drinking in working places. Washing hands after handling products.

## SECTION 9. Physical and chemical properties

<b>Appearance and Color</b>	Clear liquid
<b>Odour</b>	Odorless
<b>PH value</b>	A:ca5 B:ca9
<b>Flammability</b>	Non flammable
<b>Flash point(°C,Closed cup)</b>	>264-268°C
<b>Boiling point(°C)</b>	>230°C
<b>Freezing point (°C)</b>	<0°F(-18°C)
<b>Density(g/cm³)</b>	A:1.14 B:0.95
<b>Relative steam density (air = 1)</b>	No Data
<b>Vapor pressure</b>	<0.0000046 hPa (20°C)
<b>Octanol/water partition coefficient</b>	No Data
<b>Viscosity (mPa/s)</b>	A:1000-2000 B:20-100
<b>Evaporation rate (kg/s)</b>	No Data
<b>UEL %(V/V)</b>	No Data
<b>LEL %(V/V)</b>	No Data
<b>Auto-ignition temperature(°C)</b>	No Data
<b>Decomposition temperature(°C)</b>	320°C
<b>Solubility</b>	Insoluble in water

# Material Safety Data Sheet

---

## SECTION 10. Stability and reactivity

### 10.1 Stability:

Stable under recommended storage and handling conditions (See section 7).

### 10.2 Material for avoiding:

Strong oxide, acid and alkali.

### 10.3 Contact conditions for avoiding:

High temperature.

### 10.4 Hazardous decomposition products:

No data available.

## SECTION 11. Toxicological information

### 11.1 Acute toxicity:

No information found.

### 11.2 Skin corrosion/irritation:

Causes skin irritation

### 11.3 Serious eye damage/irritation:

Causes serious eye irritation

### 11.4 Respiratory or skin sensitisation:

May cause an allergic skin reaction

May cause respiratory irritation

### 11.5 Germ cell mutagenicity:

No information found.

### 11.6 Carcinogenicity:

No information found.

### 11.7 Reproductive toxicity:

No information found.

### 11.8 STOT-single exposure:

No information found.

### 11.9 STOT-repeated exposure:

No information found.

### 11.10 Aspiration hazard.:

# Material Safety Data Sheet

No information found.

## SECTION 12. Ecological information

### 12.1 Ecotoxicity:

According to the environmental protection laws, this product can't be poured into sewers or drainage ditches, can't be discarded in those places which would affect soil and underground water.

### 12.2 Persistence and degradability:

No data available.

### 12.3 Bioaccumulative potential:

No data available.

### 12.4 Mobility in soil:

No data available.

### 12.5 Other adverse effects:

No data available

## SECTION 13. Disposal considerations

### 13.1 Handling method for waste:

Handling waste according to the local regulations. Contact specific waste disposal company or companies recommended by local laws.

### 13.2 Handling method for uncleaned packaging:

According to official regulations.

## SECTION 14. Transport information

**IMDG,ICAO/IATA,ADR/RID 14.1 UN NO.:** Non-hazardous for transport

**IMDG,ICAO/IATA,ADR/RID 14.2 Class:** Non-hazardous for transport

**IMDG,ICAO/IATA,ADR/RID 14.3 Packaging group:** 55

**IMDG,ICAO/IATA,ADR/RID 14.4 Technical name:** Not classified

**IMDG,ICAO/IATA,ADR/RID 14.5 Label:** Non-hazardous for transport

**14.6 Attention Notes:** Not regulated under DOT, ADR, AND, IMDG, IATA

## SECTION 15. Regulatory information

This Safety Data Sheet (SDS) has been prepared in compliance with

EU CLP Regulation (EC) No 1272/2008. This product is NOT considered to be a hazardous

# Material Safety Data Sheet

---

Chemical under that standard.

Hazardous chemicals catalog No list

International maritime dangerous goods code No list

EU CLP Regulation (EC) No 1272/2008

In accordance with all local laws.

## SECTION 16. Other information

- This product is considered food safe under the Food and Drug Administration regulation FDA 21CFR175.300, Register No. 10444519064
- This product does not contain BPA (Bisphenol A)
- This product conforms to ASTM D4236

### Disclaimer

The information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.