

**SAFETY DATA SHEET**  
**DER-736 (DOW EPOXY RESIN®)**

**CATALOG #3111**

**1. IDENTIFICATION**

**Product Name:** DER RESIN GR. 736

**COMPANY IDENTIFICATION**

TOUSIMIS RESEARCH CORP.  
2211 LEWIS AVENUE  
ROCKVILLE,  
MARYLAND 20851  
UNITED STATES

**Company Contact Information:**

301-881-2450

[trc@tousimis.com](mailto:trc@tousimis.com)

**EMERGENCY TELEPHONE NUMBER**

**Emergency Contact: 1-800-222-1222**

**2. HAZARDS IDENTIFICATION**

Causes eye irritation.

**Hazard Ratings**

Additional information can be found by consulting in the NFPA published ratings lists (List 325 and List 49).

If no data is listed the information is not available.

Health 2

Flammability 1

Reactivity 0

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

**Component:** Oxirane, 2,2'[oxybis[(methyl-2,1-ethanediyl)

**CAS No.** 041638135

**Fraction** 1

## OSHA (ACGIH) Exposure Limits

			TWA		STEL		CEILING	
			ppm	mg/m3	ppm	mg/m3	ppm	mg/m3
<b>CAS#</b>	<b>041638135</b>	<b>OSHA</b>	NE	NE	NE	NE	NE	NE
<b>IDLH</b>	<b>NE</b>	<b>ACGIH</b>	NE	NE	NE	NE	NE	NE

### 4. FIRST AID MEASURES

Flush eyes with flowing water for at least 15 minutes. If breathing is difficult, contact emergency personnel.  
If swallowed, DO NOT INDUCE vomiting. Give 8 oz. of water or milk to drink. Call a physician or the POISON CONTROL CENTER immediately. Never give anything by mouth to an unconscious person.  
Separate eyelids with finger tips.  
Wash skin with deluge of water for at least 15 minutes.

### 5. FIREFIGHTING MEASURES

**Flash Point:** 320 deg F  
**Method:** PMCC ASTM D-93  
**UEL:** No data  
**LEL:** No data  
**Autoignition temperature:** No data  
**Flammability Classification:** nap  
**Flame Propagation Rate:** No data  
**Hazardous Combustion Products:** No data

### 6. ACCIDENTAL RELEASE MEASURES

Any information listed below is to be considered in addition to internal guidelines for isolation of spill, containment of spill, removal of ignition sources from immediate area, and collection for disposal of spill by trained, properly protected clean up personnel.

No special measures are indicated.

### 7. HANDLING AND STORAGE

Store at 25 deg. C

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

The use of eye protection in the form of safety glasses with side shields and the use of skin protection for hands in the form of gloves are considered minimum and non-discretionary in work places and laboratories. Any recommended personal

protection equipment or environmental equipment is to be considered as additional to safety glasses and gloves.

No special protection is indicated.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Formula:** (C<sub>3</sub>H<sub>6</sub>O)<sub>n</sub>C<sub>6</sub>H<sub>10</sub>O<sub>3</sub>

**Vapor Pressure:** 5.6 mm Hg

**Boiling Point:** >430

**Specific Gravity:** 1.14

**Melting Point:** No data

**pH:** No data

**Solubility:** 11% by weight

**Appearance:** Clear nearly colorless liquid

## 10. STABILITY AND REACTIVITY

**Chemical Stability:** Stable

**Conditions to Avoid:** None

**Incompatibility with other materials:** Amines; acids; bases hazardous

**Decomposition Products:** None

**Hazardous Polymerization:** Will not occur

## 11. TOXICOLOGICAL INFORMATION

**Acute Data:** LD oral rat >2000 mg/kg; LD<sub>50</sub> dermal rabbits >2000 mg/kg

**Subchronic data:** No data

## 12. ECOLOGICAL INFORMATION

**Biodegradation Sturm test 28 days:** 8-27%; slight toxic (acute) to fish LC<sub>50</sub> 10 - 100 mg/L; and to aquatic invertebrates LC<sub>50</sub>: 10 – 100 mg/L.

## 13. DISPOSAL CONSIDERATIONS

The following information lists the status of the chemical and its components in reference to 40 CFR Part 261.33. If the product is listed by code number the substance may be subject to special federal and state disposal regulations. If no codes are listed the material must be disposed in compliance with all Federal, State and Local Regulations.

**CAS#** 041638135

**Waste Code:** Not Listed

**Regulated Name:** Not Listed

#### 14. TRANSPORT INFORMATION

Refer to bill of lading or container label for DOT or other transportation hazard classification, if any.

#### 15. REGULATORY INFORMATION

All components of this product are on the TSCA public inventory.

Prop 65 – Column A identifies those items which are known to the State of California to cause cancer. Column B identified items which are known to the State of California to cause reproductive toxicity.

CAS#	Waste Code	Regulated Name
041638135	Not Listed	Not Listed

State Regulatory Information: If a CAS # is listed below this material is subject to the listed state right-to-know requirements.

CAS #041638135      Not Listed

SARA Toxic Release Chemicals (as defined in Section 313 of SARA Title III)

This list identifies the toxic chemicals, including their de minimis concentrations for which reporting is required under Section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA). The list is also referred to as the Toxics Release Inventory (TRI) List.

CAS#	Regulated Name	de minimis conc.	Rep. Thres.
041638135	Not Listed	Not Listed	Not Listed

SARA Extremely Hazardous Substances and TPQs

This list includes hazardous chemicals as defined in 29 CFR 1910.1200(c); and extremely hazardous substances regulated under Section 302 of SARA Title III with their TPQs (in pounds), as listed in 40 CFR 355, Appendices A and B.

CAS#	Regulated Name	TPQ (pounds)	EHS-RQ (pounds)
041638135	Not Listed	Not Listed	Not Listed

## CERCLA

The hazardous substances, and their reportable quantities (RQs) are listed in the federal regulations at 40 CFR Part 302, Table 302.4. Release of a CERCLA hazardous substance in an amount equal to or greater than its RQ, in any 24-hour period, must be reported to the National Response Center at (800) 424-8802.

CAS#	Regulated Name	RQ pounds
041638135	Not Listed	Not Listed

## 16. OTHER INFORMATION

If burn is present treat as thermal burn. Supportive care.

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