

# SAFETY DATA SHEET

## FLAME RETARDANT EPOXY 2195B

### 1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

PRODUCT NAME FLAME RETARDANT EPOXY 2195B  
PRODUCT NO. EER2195B  
SUPPLIER ELECTROLUBE. A division of HK  
WENTWORTH LTD  
KINGSBURY PARK, MIDLAND ROAD  
SWADLINCOTE  
DERBYSHIRE, DE11 0AN  
UNITED KINGDOM  
+44(0)1283 222 111  
+44(0)1283 550 177

### 2 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
DETA Reaction Product with Ethylene Oxide			5-10%	Xi;R41.
DIETHYLENETRIAMINE	203-865-4	111-40-0	1-5%	C;R34 Xn;R21/22 R43
TETRAETHYLENEPENTAMINE	203-986-2	112-57-2	10-30%	C;R34 Xn;R21/22 R43 N;R51/53

The Full Text for all R-Phrases are Displayed in Section 16

#### COMPOSITION COMMENTS

Ingredients not listed are classified as non-hazardous or at a concentration below reportable levels

### 3 HAZARDS IDENTIFICATION

Causes burns. May cause sensitisation by skin contact. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

CLASSIFICATION C;R34. R43. R52/53.

### 4 FIRST-AID MEASURES

#### INHALATION

Move the exposed person to fresh air at once. Get medical attention. Provide rest, warmth and fresh air.

#### INGESTION

DO NOT INDUCE VOMITING! Rinse mouth thoroughly. Drink plenty of water. Get medical attention immediately!

#### SKIN CONTACT

Wash the skin immediately with soap and water. Get medical attention promptly if symptoms occur after washing.

#### EYE CONTACT

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Get medical attention immediately. Continue to rinse.

### 5 FIRE-FIGHTING MEASURES

#### EXTINGUISHING MEDIA

Use fire-extinguishing media appropriate for surrounding materials. Fire can be extinguished using: Water spray. Foam. Alcohol resistant foam. Carbon dioxide (CO<sub>2</sub>).

#### SPECIFIC HAZARDS

Fire creates: Toxic gases/vapours/fumes of Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>). Ammonia or amines. Nitrous gases (NO<sub>x</sub>).

### 6 ACCIDENTAL RELEASE MEASURES

#### SPILL CLEAN UP METHODS

DO NOT touch spilled material. Absorb in vermiculite, dry sand or earth and place into containers. Flush with plenty of water to clean spillage area. Do not contaminate water sources or sewer. Clean-up personnel should use respiratory and/or liquid contact protection.

### 7 HANDLING AND STORAGE

#### USAGE PRECAUTIONS

Avoid spilling, skin and eye contact. Avoid inhalation of vapours.

#### STORAGE PRECAUTIONS

Store in tightly closed original container in a cool, dry well-ventilated place. Keep in original container.

## FLAME RETARDANT EPOXY 2195B

**STORAGE CLASS**

Corrosive storage.

### 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	LT - ppm	LT - mg/m3	ST - ppm	ST - mg/m3
DIETHYLENETRIAMINE	WEL	1 ppm(Sk)	4.3 mg/m3(Sk)		

**PROTECTIVE EQUIPMENT**



**ENGINEERING MEASURES**

Provide adequate general and local exhaust ventilation.

**RESPIRATORY EQUIPMENT**

No specific recommendation made, but respiratory protection must be used if the general level exceeds the Recommended Workplace Exposure Limit.

**HAND PROTECTION**

Protective gloves should be used if there is a risk of direct contact or splash. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

**EYE PROTECTION**

Wear approved chemical safety goggles where eye exposure is reasonably probable.

**OTHER PROTECTION**

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

**HYGIENE MEASURES**

**DO NOT SMOKE IN WORK AREA!** Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly with soap & water if skin becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

### 9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid	RELATIVE DENSITY	0.940 @ 20 °c
COLOUR	Brown	pH-VALUE, CONC. SOLUTION	11
SOLUBILITY	Immiscible with water	FLASH POINT (°C)	>121 CC (Closed cup).
BOILING POINT (°C)	>200		
BULK DENSITY	940		
VISCOSITY	2000 mPas @ 20 °c		

### 10 STABILITY AND REACTIVITY

**STABILITY**

Stable under normal temperature conditions.

**HAZARDOUS DECOMPOSITION PRODUCTS**

Fire creates: Toxic gases/vapours/fumes of: Carbon monoxide (CO). Carbon dioxide (CO2). Ammonia or amines.

### 11 TOXICOLOGICAL INFORMATION

**INHALATION**

Gas or vapour in high concentrations may irritate respiratory system.

**INGESTION**

Harmful if swallowed.

**SKIN CONTACT**

Causes burns. May cause sensitisation by skin contact. Product has a defatting effect on skin. Prolonged contact may cause dryness of the skin. May cause allergic contact eczema.

**EYE CONTACT**

Spray and vapour in the eyes may cause irritation and smarting. May cause chemical eye burns.

### 12 ECOLOGICAL INFORMATION

**ECOTOXICITY**

Dangerous for the environment if discharged into watercourses.

### 13 DISPOSAL CONSIDERATIONS

**FLAME RETARDANT EPOXY 2195B**

## DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements.

**14 TRANSPORT INFORMATION**

UK ROAD CLASS	8		
PROPER SHIPPING NAME	AMINES, LIQUID, CORROSIVE, N.O.S. or POLYAMINES, LIQUID, CORROSIVE, N.O.S (TETRAETHYLENEPENTAMINE, DIETHYLENETRIAMINE)		
UN NO. ROAD	2735	UK ROAD PACK GR.	III
ADR CLASS NO.	8	ADR CLASS	Class 8: Corrosive substances.
ADR PACK GROUP	III	HAZARD No. (ADR)	80
ADR LABEL NO.	8	HAZCHEM CODE	3X
CEFIC TEC(R) NO.	80GC7-II+III	RID CLASS NO.	8
RID PACK GROUP	III	UN NO. SEA	2735
IMDG CLASS	8	IMDG PAGE NO.	8109-2 (UK)
IMDG PACK GR.	III	EMS	F-A; S-B
MFAG	See Guide	MARINE POLLUTANT	No.
UN NO. AIR	2735	ICAO CLASS	8
AIR PACK GR.	III		

**15 REGULATORY INFORMATION**

## LABELLING



Corrosive

## CONTAINS

DIETHYLENETRIAMINE  
TETRAETHYLENEPENTAMINE

## RISK PHRASES

R34	Causes burns.
R43	May cause sensitisation by skin contact.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## SAFETY PHRASES

S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S27	Take off immediately all contaminated clothing.
S45	In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).
S24/25	Avoid contact with skin and eyes.
S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.

## UK REGULATORY REFERENCES

Chemicals (Hazard Information &amp; Packaging) Regulations. The Control of Substances Hazardous to Health Regulations 1988.

## ENVIRONMENTAL LISTING

Control of Pollution Act 1974. Control of Pollution (Special Waste Regulations) Act 1980. Rivers (Prevention of Pollution) Act 1961.

## EU DIRECTIVES

Dangerous Preparations Directive 1999/45/EEC.

## APPROVED CODE OF PRACTICE

Classification and Labelling of Substances and Preparations Dangerous for Supply. Safety Data Sheets for Substances and Preparations.

## GUIDANCE NOTES

Workplace Exposure Limits EH40.

**16 OTHER INFORMATION**

