



MATERIAL SAFETY DATA SHEET

PART NUMBER 11 10 65 / 11 10 67

SECTION 1 PRODUCT IDENTIFICATION AND MANUFACTURE

1.1 Product identifier

PRODUCT: Epo-Flo Low Viscosity Epoxy Resin

1.2 Recommended use of the chemical and restrictions on use

Use of the Substance/Mixture : Epoxy constituents

1.3 Details of the supplier of the safety data sheet

SUPPLIER: METPREP LTD.
Unit 1, Falkland Close
Charter Avenue
COVENTRY CV4 8AU
CONTACT: sales@metprep.co.uk

1.4 Emergency telephone number

TELEPHONE: 024 7642 1222

SECTION 2 COMPOSITION / INFORMATION ON INGREDIENTS

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Acute toxicity, Category 4	H332: Harmful if inhaled
Skin irritation, Category 2	H315: Causes skin irritation.
Serious eye damage, Category 1	H318: Causes serious eye damage.
Skin sensitisation, Category 1	H317: May cause an allergic skin reaction.
Long-term (chronic) aquatic hazard Category 2	H411: Toxic to aquatic life with long lasting effects.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms



Signal word : Danger



Hazard statements	:	H315	Causes skin irritation.
		H317	May cause an allergic skin reaction.
		H318	Causes serious eye damage.
		H332	Harmful if inhaled.
		H411	Toxic to aquatic life with long lasting effects.
Precautionary statements	:	Prevention:	
		P261	Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
		P264	Wash skin thoroughly after handling.
		P273	Avoid release to the environment.
		P280	Wear protective gloves/ eye protection/ face protection.
		Response:	
		P305 + P351 + P338 + P310	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.
		P391	Collect spillage.

Hazardous components which must be listed on the label:
2,2' -((1-methylethylidene)bis(4,1-phenyleneoxymethylene))bisoxirane
1,4-Bis(2,3-epoxypropoxy)butane

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher

SECTION 3 SUBSTANCE HAZARD IDENTIFICATION

Harmful by inhalation and in contact with skin. Irritating to eyes and skin.

May cause sensitization by skin contact.

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

3.2 Mixtures

Hazardous components

Chemical Name	CAS No	Classification	Concentration (% w/w)
2,2'-(1-methacrylate)bis(4,1-Phenyleneoxymethylene)bisoxirane	1675-54-3	Skin Irrit. 2; H315	>= 50 –
	216-823-5	Eye irrit. 2; H319	< 70
	603-073-00-2	Skin Sens. 1; H317	
	01-2119456619-26	Aquatic Chronic 2; H411	
Trimethylolpropane Trimethacrylate	3290-92-4	Eye Irrit. 2; H319	< 70

SECTION 4 FIRST AID MEASURES

Inhalation

Move to fresh air.
Call a physician immediately.



Eye contact	Rinse immediately with plenty of water for at least 15 minutes. If eye irritation persists, consult a specialist.
Skin contact	Wash off immediately with soap and plenty of water. If skin irritation persists, call a doctor
Ingestion	Do not induce vomiting Immediately give plenty of water (if possible charcoal slurry) Obtain medical attention

SECTION 5 FIRE FIGHTING MEASURES

Suitable extinguishing Media	Water spray. Dry powder. Carbon dioxide (CO ₂) Foam.
Extinguishing media which Must not be used for safety reasons	High Volume water jet
Special protective Equipment for fire-fighters	Wear self-contained breathing apparatus and protective suit.
Further information	Burning produces obnoxious and toxic fumes. Carbon oxides

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal precautions	Keep away from sources of ignition - No smoking. Do not breath vapours/dust. Avoid contact with skin, eyes and clothing.
Environmental precautions	Prevent product from entering drains. Do not contaminate surface water. Avoid subsoil penetration.
Methods for cleaning up	Soak up with inert absorbent material and dispose of as hazardous waste.

SECTION 7 HANDLING AND STORAGE

Handling

Advice on safe handling	Provide sufficient air exchange and/or exhaust in work rooms. Handle and open container with care.
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Storage

Further information on storage conditions	Keep away from food, drink and animal feeding stuffs. Keep container tightly closed. Keep at temperatures between 2 and 40°C.
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SECTION 8 EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering measures	
No special precautions required.	



Personal protective equipment

Respiratory protection	In case of insufficient ventilation wear suitable respiratory equipment. Filter type AX-P2 (organic vapours, particles)
Eye protection	Tightly fitting safety goggles.
Hand protection	Material of gloves for long term application (BTT>480 min): Butyl rubber Ethyl Vinyl Alcohol Laminate (EVAL) Material of gloves for short term/splash application (10 min<BTT<480 min): Nitrile rubber Neoprene rubber Use gloves approved to relevant standards e.g. EN 374 (Europe), F739 (US). Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material and dexterity. Always seek advice from glove suppliers. Additional information can be found for instance at www.gisbau.de
Skin and body protection	long sleeved clothing
Hygiene measures	Keep away from food, drink and animal feeding stuffs. Wash hands before breaks and immediately after handling the product.
Protective measures	Keep away from sources of ignition - No smoking. Avoid contact with skin, eyes and clothing.

SECTION 9

PHYSICAL AND CHEMICAL PROPERTIES

Form	liquid
Colour	light blue
Odour	clear slight
pH	approx at(20°C) 1:1 in water
Boiling point	>200 °C
Thermal decomposition Flash point	>200 °C
Flash point	>140 °C
	Method: DIN 51758
Vapour pressure	<0.01 Pa at 20 °C
Density	1.12 g/cm ³ at 25 °C
Water solubility	at 20 °C Note: partly soluble
Miscibility with water	immiscible at 20 °C
Viscosity, dynamic	150 mPa.s at 25 °C

SECTION 10

STABILITY AND REACTIVITY PROPERTIES

Conditions to avoid	Note: Take necessary action to avoid static electricity discharge.
Materials to avoid	Strong acids and strong bases.



Strong oxidizing agents.

Hazardous decomposition Products Carbon oxides. Burning produces obnoxious and toxic fumes.

SECTION 11 TOXICOLOGICAL INFORMATION

Acute oral toxicity	LD50 rat Dose >5,000 mg/kg
Eye irritation	irritating, rabbit
Skin irritation	irritating, rabbit, dermal
Sensitization	Causes sensitization Quinea pig dermal

SECTION 12 ECOLOGICAL INFORMATION

Elimination information (persistence and degradability)

Biodegradability Result: not readily biodegradable

Ecotoxicity effects

Additional ecological Avoid subsoil penetration.

Information Prevent product from entering the drains
Do not contaminate surface water.

SECTION 13 DISPOSAL CONSIDERATIONS

Product Waste key number 070208
Must be incinerated, when in compliance with local regulations

Container Empty containers can be land filled after cleaning, when in
Compliance with Environmental Protection (duty of care)
Regulations 1991.

SECTION 14 TRANSPORT INFORMATION

Land Transport

ADR:
Un-No: 3082



Class:	9
Classification code	M6
Packaging Group	III
Risk No:	90
ADR/RID- Labels	9
Proper Shipping Name:	Environmentally hazardous substance, liquid N.O.S
Contains	Bisphenol A Epoxy Resin

Sea Transport

IMDG	
UN-No:	3082
Class:	9
Packaging group	III
ADR/RID Labels	9
MFAG:	
EmS:	F-A-S-F
Proper shipping name	Environmentally hazardous substance, liquid N.O.S
Contains	Bisphenol A Epoxy Resin

Air Transport

IATA-DGR	
UN/ID No:	UN3082
Class:	9
Packaging Group	III
Packing instruction (Cargo aircraft)	914
Max. Qty/Pack (999.00 = No Limit)	450L
Packing Instruction (passenger aircraft)	914
Max. Qty/Pack)	450L
ADR/RID Labels	9
Proper shipping name:	Environmentally hazardous substance, liquid N.O.S
Contains	Bisphenol A Epoxy Resin

SECTION 15	REGULATORY INFORMATION
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Labelling according to EEC Directive

Labelling required



Symbol(s):	Xn N	Harmful Dangerous for the environment
R-phrase(s)	R20/21 R36/38 R43 R51/53	Harmful by inhalation and in contact with skin Irritating to eyes and skin May cause sensitization by skin contact. Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.
S-phrase(s)	S28 S36/37/39 S61	After contact with skin, wash immediately with plenty of soap and water. Wear suitable protective clothing, gloves and Eye/face protection. Avoid release to the environment. Refer to special Instructions/safety data sheets.
Exceptional labelling of Special preparations Hazardous components Which must be listed on the label:		Contains epoxy constituents. See information applied by manufacturer. butanedioldiglycidyl ether EC-No: 219-371-7 reaction product: bisphenol A-(epichlorhydrin); epoxy resin (number average molecular weight < 700)

SECTION 16	OTHER INFORMATION
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List of R-phrases (section 3)

SDS Creation Date: October 2020
SDS Revision Date: April 2017