



**SAFETY DATA SHEET**  
**EPOXYPACK 301- Resin**

Date: January 2012

**1. IDENTIFICATION OF SUBSTANCES / MIXTURE AND OF THE COMPANY / UNDERTAKING**

**Product Identifiers**

Product Name: **EPOXYPACK 301 - Resin**  
Product code: 0CON-185

**Relevant identified uses of the substance or mixture and uses advised against**

Identified uses: Resin for epoxy 301 adhesive system.  
Uses advised against: This product is to be used only for the purpose stated above.

**Details of the supplier of the safety data sheet**

Manufacturer: Logitech Ltd  
Erskine Ferry Road  
Old Kilpatrick  
Glasgow  
G60 5EU  
Scotland, UK

Telephone +44 (0) 1389 875444  
E-mail coshh.info@logitech.uk.com

**Emergency telephone number**

+44 (0) 1389 875444 (09:00 – 17:00 Monday to Friday)

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**2. HAZARDS IDENTIFICATION**

**Classification of the substance or mixture**

This material is a mixture

**Classification according to Regulation (EC) 1272/2008 (EU 'CLP' regulation) as amended:**

Skin Irritation	Category 2	H315 - Causes skin irritation
Skin sensitisation	Category 1	H317 - May cause an allergic skin reaction
Serious Eye Irritation	Category 2	H319 - Causes serious eye irritation
Aquatic Chronic Toxicity	Category 2	H411 - Toxic to aquatic life with long lasting effects
Acute dermal toxicity	Category 4	H312 - Harmful in contact with skin
Acute Inhalation Toxicity	Category 4	H332 - Harmful if inhaled

**Classification according to CHIP and EU Directives 67/548/EEC or 1999/45/EC**

Symbol(s)	Xn	Harmful
	Xi	Irritant
	N	Dangerous for the environment
Risk phrase(s)	R20/21	Harmful by inhalation and in contact with skin
	R36/38	Irritating to eyes and skin.
	R43	May cause sensitisation by skin contact
	R51-53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

**Labelling elements according to Regulation (EC) 1272/2008 (EU 'CLP' regulation)**

Pictogram (s):



Signal Word:

**WARNING**

Hazard Statements

Causes severe skin burns and eye damage  
Causes serious eye irritation  
Harmful in contact with skin  
Harmful if inhaled  
May cause an allergic skin reaction  
Toxic to aquatic life with long lasting effects

Precautionary Statements

Wear protective gloves.  
Avoid breathing fume/vapours  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
If eye irritation persists: Get medical advice/attention  
IF ON SKIN: Wash with plenty of soap and water.  
If skin irritation or rash occurs: Get medical advice/attention.  
Avoid release to the environment.

Additional labelling: Contains epoxy constituents. May produce an allergic reaction

**Labelling elements according to CHIP and EU Directives 67/548/EEC or 1999/45/EC**



Symbol:

Indication of Danger:

HARMFUL

DANGEROUS FOR THE ENVIRONMENT

Risk phrases:

Harmful by inhalation and in contact with skin  
Irritating to eyes and skin.  
May cause sensitisation by skin contact  
Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Safety phrases:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice  
After contact with skin, wash immediately with plenty of soap and water  
Wear suitable gloves and eye/face protection  
Avoid release to the environment. Refer to special instructions/safety data sheet

Additional labelling:

Contains epoxy constituents. See information supplied by the manufacturer

#### Other Hazards

No information available.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

This material is a mixture.

Hazardous substances present at or above threshold limits:

Component	CAS No.	EC No.	%
<b>reaction product: bisphenol-A-</b>	<b>25068-38-6</b>	<b>500-033-5</b>	<b>65 - 85</b>

<b>(epichlorohydrin); epoxy resin (number average molecular weight ≤ 700)</b>			
<i>Classification according to CHIP and EU Directives 67/548/EEC or 1999/45/EC:</i>			
Xi Irritant	R36/38 R43	Irritating to eyes and skin. May cause sensitisation by skin contact	
N Dangerous for the environment	R51-53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment	
<i>Classification according to Regulation (EC) 1272/2008 (EU 'CLP' regulation) as amended:</i>			
Skin sensitiser	Category 1	H317 - May cause an allergic skin reaction	
Skin irritation	Category 2	H315 - Causes skin irritation	
Serious Eye Irritation	Category 2	H319 - Causes serious eye irritation	
Aquatic Chronic Toxicity	Category 2	H411 - Toxic to aquatic life with long lasting effects	
<b>1,4 Butanediol diglycidyl ether</b>	<b>2425-79-8</b>	<b>219-371-7</b>	<b>15 - 35</b>
<i>Classification according to CHIP and EU Directives 67/548/EEC or 1999/45/EC:</i>			
Xn Harmful	R20/21	Harmful by inhalation and in contact with skin	
Xi Irritant	R36/38 R43	Irritating to eyes and skin. May cause sensitisation by skin contact	
<i>Classification according to Regulation (EC) 1272/2008 (EU 'CLP' regulation) as amended:</i>			
Skin sensitiser	Category 1	H317 - May cause an allergic skin reaction	
Skin irritation	Category 2	H315 - Causes skin irritation	
Serious Eye Irritation	Category 2	H319 - Causes serious eye irritation	
Acute dermal toxicity	Category 4	H312 - Harmful in contact with skin	
Acute Inhalation Toxicity	Category 4	H332 - Harmful if inhaled	

#### 4. FIRST AID MEASURES

##### Description of first aid measures

##### General advice

Remove from source of exposure.

##### Inhalation

Remove from exposure to fresh air. Seek medical advice.

##### Ingestion

DO NOT induce vomiting.

Drink plenty of water

Seek immediate medical attention.

##### Skin contact

Immediately wash area with soap and water then rinse thoroughly with water. If person experiences continued irritation seek medical advice.

Remove contaminated clothing and launder before re-use.

##### Eye contact

Wash out with plenty of water promptly. After initial flushing, remove any contact lenses and continue flushing.

Seek medical advice.

##### Most important symptoms and effects, both acute and delayed

No information available

##### Indication of any immediate medical attention and special treatment needed

No information available

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## 5. FIRE-FIGHTING MEASURES

### Extinguishing media

Suitable extinguishing media: Water spray, alcohol resistant foam, dry extinguishing powder, carbon dioxide

Unsuitable extinguishing media: Water jet may cause splashing of material.

### Special hazards arising from the substances or mixture

Product is based on organic materials. Combustion will produce carbon dioxide, carbon monoxide and irritating and toxic organic chemicals.

### Advice for fire fighters

Wear self-contained breathing apparatus.

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## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

Prevent contact with eyes and skin – wear Personal Protective equipment (PPE) - eye protection and chemically impervious gloves (rubber, nitrile, PVC etc).

Do not breathe fumes / vapour / mist. Ensure good ventilation or wear PPE.

### Environmental precautions

Do not allow to contaminate rivers, streams, other waterways, drains, or other aquatic systems.

Use absorbent materials (spill kit materials, sand, absorbent granules, earth etc) to contain the spillage and prevent environmental contamination.

Advise local authorities immediately if significant spillages cannot be contained.

### Methods and material for containment and cleaning up

Use absorbent materials (spill kit materials, sand, absorbent granules, earth etc) to soak up the spillage. Sweep or scrape the absorbed material into a sealable storage container.

Remove final residues with a water / detergent mixture, running the water to foul sewer (NOT surface water drains).

### Reference to any other sections

See section 8 for Personal Protective Equipment (PPE)

See section 13 for disposal information

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## 7. HANDLING AND STORAGE

### Precautions for safe handling:

Prevent skin contact. Wear chemically impervious gloves.

Prevent eye contact. Wear eye protection.

Do not breathe fumes – ensure adequate ventilation or fume extraction.

Do not eat, drink or smoke while using material. Wash hands after use.

### Conditions for safe storage, including any incompatibilities

Keep containers sealed in a cool, well ventilated area.

Do not store in direct sunlight or near other heat sources.

### Specific end use(s)

None identified

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Control parameters

### Exposure limits

There is no UK Workplace Exposure Limit (WEL) for this material.

As with all materials, exposure should be minimised. Provide ventilation or extraction to prevent exposure to vapour /mist/ fumes.

**Derived No Effect Level (DNEL)** No information available.

**Predicted No Effect Concentration (PNEC)** No information available

### Exposure controls

#### Appropriate engineering controls

Design equipment to prevent eye and skin exposure and inhalation of fumes / vapour.

#### Personal protective equipment

If PPE is necessary to control exposure use the following:

Respiratory protection	Use an EN149 approved respirator fitted with a combined particle and organic vapour filter (type AP). The correct selection, fitting, use, storage and maintenance of respiratory protective equipment is important. Follow manufacturer's recommendation or seek expert advice. HSE document HSG 53 provides some guidance
Hand protection	Chemically impervious gloves suitable for use with epoxy resin materials e.g. Nitrile gloves. Follow manufacturer recommendations on inspection and replacement.
Skin protection	Long sleeved clothing. Replace contaminated clothing before skin contact occurs.
Eye protection	EN approved goggles or face shield if eye contact likely .

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemicals properties

Appearance:	clear liquid
Odour:	slight
Odour threshold:	information not available
pH:	information not available
Melting point:	information not available
Boiling point:	information not available
Flash point:	information not available
Evaporation rate	information not available
Flammability	information not available
Upper/lower	information not available
Explosive limits	information not available
Vapour pressure	information not available
Vapour density	information not available
Density	information not available
Solubility in water:	Insoluble in water.
Solubility in other	
Ingredients:	information not available
Partition coefficient	
Octanol/water:	information not available
Auto-ignition temperature	information not available
Decomposition temperature	information not available
Viscosity	information not available
Explosion properties:	information not available
Oxidising properties:	Not oxidising.

#### Other information

No additional data available

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## 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive to materials commonly used in the transportation, handling and storage.

**Chemical stability**

Stable at room temperature.

**Possibility of hazardous reactions**

No hazardous reactions known

**Conditions to avoid**

Ignition sources

**Incompatible materials**

Strong acids, bases, oxidising agents

**Hazardous decomposition products**

Combustion will produce carbon dioxide, carbon monoxide and irritating and toxic organic chemicals.

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**11. TOXICOLOGICAL INFORMATION****Information on toxicological effects**

Acute toxicity	No data available
Irritation	Expected to be irritating to the eyes and skin.
Corrosivity	No data available
Sensitisation	Can cause skin sensitisation.
Repeated dose toxicity	No data available
Carcinogenicity	No data available
Mutagenicity	No data available
Toxicity for reproduction	No data available

**Other information**

No data available

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**12. ECOLOGICAL INFORMATION****Toxicity**

Data not available

**Persistence and biodegradability**

Not expected to be biodegradeable.

**Bioaccumulative potential**

Data not available

**Mobility in Soil**

Data not available

**Results of PBT and vPvB assessment**

Data not available

**Other adverse effects**

Data not available

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**13. DISPOSAL CONSIDERATIONS****Waste treatment methods****Product**

Dispose of product as hazardous waste in accordance with local, national and international legislation, using an approved registered waste disposal company.

The European Waste Code will depend upon the use of the product and cannot be specified here (consider 13 08 99).

If the product has been reacted with an appropriate epoxy resin to produce a homogenous cured solid resin this can be disposed of as non-hazardous waste

**Packaging**

Clean uncontaminated packaging can be disposed of as general waste: European Waste Code 15 01 xx (xx will depend upon the type of packaging e.g. plastic, cardboard etc. Refer to European Waste Catalogue). Recycle such waste wherever possible.

Contaminated packaging / containers must be disposed of as hazardous waste

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#### 14. TRANSPORT INFORMATION

**UN number**

3082

	<b>ADR/RID</b>	<b>IMDG</b>	<b>IATA</b>
<b>UN proper shipping name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. contains: (BISPHENOL A EPOXY RESIN)		
<b>Transport hazard class(s)</b>	9	9	9
<b>Packing group</b>	III	III	III

**Environmental hazards**

IMDG Marine pollutant: No information available

**Special precautions for user**

None identified

**Transport in bulk according to Annex II of MARPOL 73/78 and IBC Code**

No information available

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#### 15. REGULATORY INFORMATION

This Safety Data Sheet has been prepared in accordance with the requirements of regulation (EC) No 1907/2006 as amended by regulation (EU) No 453/2010.

Workplace exposure Limits given in section 8 have been taken from the UK HSE document: EH40/2005 Workplace exposure limits as amended.

Relevant regulations:

Regulation (EC) 1272/2008 (EU 'CLP' regulation)

Regulation (EC) 790/2009 First Adaptation to Technical Progress (ATP) for CLP regulation

Regulation (EC) 286/2011 Second Adaptation to Technical Progress (ATP) for CLP regulation

EU Directive 67/548/EEC ('Dangerous Substances Directive')

Regulation (EC) No 1907/2006 ('REACH')

Regulation (EU) No 453/2010.

**Safety, health and environmental regulations/legislation specific for the substance or mixture**

None identified

**Chemical safety assessment**

A Chemical Safety Assessment has not been undertaken for this product.

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#### 16. OTHER INFORMATION

The information contained in the Safety Data Sheet is correct to the best of our knowledge at the date of issue. It is intended as a guide for the safe use, handling, storage, transportation and disposal. It is not intended as a warranty or specification. The information relates only to the product specified and may not be suitable for combinations with other materials.