



# SAFETY DATA SHEET

## ARALDITE INSTANT CLEAR HARDENER

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

**PRODUCT NAME:** ARALDITE INSTANT CLEAR HARDENER

**PART No.:** 80805H

**SUPPLIER:** BOSTIK FINDLEY LIMITED  
COMMON ROAD  
STAFFORD. ST16 3EH  
STAFFORDSHIRE  
Tel: +44 1785 272727  
Fax: +44 1785 257236

**EMERGENCY TELEPHONES:** +44 1785 255141 +44 1785 272650

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

NAME	EINECS Nr.:	CLASSIFICATION	CONTENT
CAS No.:			
BLEND OF POLYMERCAPTANES, ALKYLAMINOPHENOL, AMINO EHTERS			30-60 %
		Xi R-38, 41, 43	

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

### 3. HAZARDS IDENTIFICATION

Irritating to skin. Risk of serious damage to eyes. May cause sensitisation by skin contact.

### 4. FIRST AID MEASURES

**INHALATION:** Remove victim immediately from source of exposure. Get medical attention.

**INGESTION:** DO NOT induce vomiting. Get medical attention immediately.

**SKIN:** Promptly wash contaminated skin with soap or mild detergent and water. Promptly remove clothing if soaked through and wash as above. Get medical attention if irritation persists after washing.

**EYES:** Rinse the eye with water immediately. Continue to rinse for at least 15 minutes and get medical attention.

### 5. FIRE FIGHTING MEASURES

**EXTINGUISHING MEDIA:** Fire can be extinguished using: Powder, foam or CO2.

**HAZARDOUS COMBUSTION PRODUCTS:** Toxic gases/vapors/fumes of:

## 6. ACCIDENTAL RELEASE MEASURES

**PERSONAL PRECAUTION IN SPILL:** Avoid skin and eye contact. Ensure adequate ventilation.

**PRECAUTIONS TO PROTECT ENVIRONMENT:** Prevent entry into drains and water courses.

**SPILL CLEANUP METHODS:** Avoid contact with skin or inhalation of spillage, dust or vapour.

## 7. HANDLING AND STORAGE

**USAGE PRECAUTIONS:** Keep away from heat, sparks and open flame. Mechanical ventilation or local exhaust ventilation may be required. Ensure all pilot lights are extinguished.

**STORAGE PRECAUTIONS:** Flammable/combustible - Keep away from oxidizers, heat and flames. Store at moderate temperatures in dry, well ventilated area.

**STORAGE CRITERIA:** Unspecified storage.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

**INGREDIENT COMMENTS:** MEL = Maximum Exposure Limit.

**PROTECTIVE EQUIPMENT:**



**VENTILATION:** Provide adequate general and local exhaust ventilation.

**PROTECTIVE GLOVES:** Use protective gloves.

**EYE PROTECTION:** Use approved safety goggles or face shield.

**OTHER PROTECTION:** Wear appropriate clothing to prevent repeated or prolonged skin contact.

**HYGIENIC WORK PRACTICES:** Wash promptly if skin becomes contaminated. Promptly remove non-impervious clothing that becomes wet. Use appropriate hand lotion to prevent defatting and cracking of skin.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE:** Liquid.

**COLOUR:** Light yellow.

**ODOUR/TASTE:** Slight.

<b>BOILING POINT (°C, interval):</b>	> 200	<b>Pressure:</b>	760mmHg
<b>DENSITY/SPECIFIC GRAVITY (g/ml):</b>	1.14	<b>Temperature (°C):</b>	20
<b>VAPOUR PRESSURE:</b>	0.01 Pa	<b>Temperature (°C):</b>	20
<b>VISCOSITY (interval):</b>	10000 - 20000 mPas	<b>Temperature (°C):</b>	25
<b>SOLUBILITY DESCRIPTION:</b>	Insoluble in water. Immiscible with water.		
<b>DECOMPOSITION TEMP. (°C):</b>	> 200		
<b>FLASH POINT (°C):</b>	145	<b>Method:</b>	P/M Pensky-Martens.

## 10. STABILITY AND REACTIVITY

<b>STABILITY:</b>	Normally stable.
<b>CONDITIONS TO AVOID:</b>	Avoid contact with strong oxidisers.
<b>HAZARDOUS DECOMP. PRODUCTS:</b>	Nitrous gases (NOx). Sulphurous gases (SOx).

## 11. TOXICOLOGICAL INFORMATION

<b>INHALATION:</b>	May cause irritation to the respiratory system.
<b>INGESTION:</b>	May cause discomfort if swallowed. May cause stomach pain or vomiting.
<b>SKIN:</b>	May cause sensitisation by skin contact.
<b>EYES:</b>	Risk of serious damage to eye.

## 12. ECOLOGICAL INFORMATION

<b>ECOLOGICAL INFORMATION:</b>	Not regarded as dangerous for the environment.
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## 13. DISPOSAL CONSIDERATIONS

<b>GENERAL/CLEANING:</b>	This material is classified as special waste as defined by Special Waste Regulations 1996 and must be disposed of by an authorised contractor
<b>DISPOSAL METHODS:</b>	Dispose of in accordance with Local Authority requirements.

## 14. TRANSPORT INFORMATION

<b>ADR CLASS:</b>	Not classified for transportation.
<b>MARINE POLLUTANT:</b>	No.

## 15. REGULATORY INFORMATION

### LABEL FOR SUPPLY:



<b>CONTAINS</b>	BLEND OF POLYMERCAPTANES, ALKYLAMINOPHENOL, AMINO EHTERS
<b>RISK PHRASES:</b>	R-38 Irritating to skin. R-41 Risk of serious damage to eyes. R-43 May cause sensitisation by skin contact.
<b>SAFETY PHRASES:</b>	S-2 Keep out of the reach of children. S-24/25 Avoid contact with skin and eyes. S-26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S-28B After contact with skin, wash immediately with plenty of soap and water.. S-36/37/39 Wear suitable protective clothing, gloves and eye/face protection. S-46 If swallowed, seek medical advice immediately and show this container or label. S-56 Dispose of this material and its container to hazardous or special waste collection point.
<b>STATUTORY INSTRUMENTS:</b>	Chemicals (Hazard Information and Packaging) Regulations. Control of Substances Hazardous to Health.
<b>APPROVED CODE OF PRACTICE:</b>	Safety Data Sheets for Substances and Preparations L62. Classification and Labelling of Substances and Preparations Dangerous for Supply.
<b>GUIDANCE NOTES:</b>	CHIP for everyone HSG(108). Occupational Exposure Limits EH40.

## 16. OTHER INFORMATION

<b>USER NOTES:</b>	This product should be used as directed by Bostik Findley Ltd. For further information consult the product data sheet or contact Technical Services.
<b>INFORMATION SOURCES:</b>	This safety data sheet was compiled using current safety information supplied by distributor of raw materials.
<b>REVISION COMMENTS:</b>	This safety data sheet supersedes all previous issues and users are cautioned to ensure that it is current. Destroy all previous data sheets and if in doubt contact Bostik Findley Limited.
<b>ISSUED BY:</b>	Approved EC
<b>REVISION DATE:</b>	Feb 2003
<b>REV. No./REPL. SDS GENERATED:</b>	1
<b>DATE:</b>	Feb 2003
<b>PRINTING DATE:</b>	2003-04-11
<b>R-PHRASES (Full Text):</b>	R-38 Irritating to skin. R-41 Risk of serious damage to eyes. R-43 May cause sensitisation by skin contact.



# SAFETY DATA SHEET

## ARALDITE INSTANT CLEAR RESIN

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

**PRODUCT NAME:** ARALDITE INSTANT CLEAR RESIN

**PART No.:** 80805R

**SUPPLIER:** BOSTIK FINDLEY LIMITED  
COMMON ROAD  
STAFFORD. ST16 3EH  
STAFFORDSHIRE  
Tel: +44 1785 272727  
Fax: +44 1785 257236

**EMERGENCY TELEPHONES:** +44 1785 255141 +44 1785 272650

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

NAME			CONTENT
<b>CAS No.:</b>	<b>EINECS Nr.:</b>	<b>CLASSIFICATION</b>	
BISPHENOL A -EPICHLOROHYDRIN EPOXY RESIN (NUMBER AV MW<700)			60-100 %
25068-38-6	500-033-5	Xi ,N R-36/38, 43, 51/53	
BISPHENOL F EPOXY RESIN			5-10 %
9003-36-5		Xi ,N R-36/38, 43, 51/53	

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

### 3. HAZARDS IDENTIFICATION

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.

### 4. FIRST AID MEASURES

**INHALATION:** Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

**INGESTION:** DO NOT INDUCE VOMITING! NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Rinse mouth thoroughly. Get medical attention immediately! Provide rest, warmth and fresh air.

**SKIN:** Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention promptly if symptoms occur after washing.

**EYES:** Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15

minutes. Get medical attention promptly if symptoms occur after washing.

## 5. FIRE FIGHTING MEASURES

<b>EXTINGUISHING MEDIA:</b>	Use extinguishing media appropriate for surrounding fire.
<b>SPECIAL FIRE FIGHTING PROCEDURES:</b>	Keep run-off water out of sewers and water sources. Dike for water control. If risk of water pollution occurs, notify appropriate authorities.
<b>HAZARDOUS COMBUSTION PRODUCTS:</b>	Fire creates: Carbon monoxide (CO). Carbon dioxide (CO <sub>2</sub> ).

## 6. ACCIDENTAL RELEASE MEASURES

<b>PERSONAL PRECAUTION IN SPILL:</b>	Avoid skin and eye contact. Ensure adequate ventilation.
<b>PRECAUTIONS TO PROTECT ENVIRONMENT:</b>	Prevent entry into drains and water courses.
<b>SPILL CLEANUP METHODS:</b>	Wear necessary protective equipment. Stop leak if possible without risk. DO NOT touch spilled material! Absorb in vermiculite, dry sand or earth and place into containers.

## 7. HANDLING AND STORAGE

<b>USAGE PRECAUTIONS:</b>	Avoid spilling, skin and eye contact. Provide good ventilation. Persons susceptible for allergic reactions should not handle this product.
<b>STORAGE PRECAUTIONS:</b>	Keep in cool, dry, ventilated storage and closed containers. Keep in original container.
<b>STORAGE CRITERIA:</b>	Misc.hazardous material storage.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

<b>INGREDIENT COMMENTS:</b>	OES = Occupational Exposure Standard.
<b>PROTECTIVE EQUIPMENT:</b>	



<b>VENTILATION:</b>	Provide adequate general and local exhaust ventilation.
<b>PROTECTIVE GLOVES:</b>	Use protective gloves.
<b>EYE PROTECTION:</b>	Use approved safety goggles or face shield.
<b>OTHER PROTECTION:</b>	Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact. Provide eyewash station.
<b>HYGIENIC WORK PRACTICES:</b>	DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes contaminated. No eating or

drinking while working with this material.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>APPEARANCE:</b>	Liquid.		
<b>COLOUR:</b>	Colourless.		
<b>ODOUR/TASTE:</b>	Slight.		
<b>BOILING POINT (°C, interval):</b>	>200	<b>Pressure:</b>	
<b>DENSITY/SPECIFIC GRAVITY (g/ml):</b>	1.15	<b>Temperature (°C):</b>	25
<b>VISCOSITY (interval):</b>	18.0 - 45 Pas	<b>Temperature (°C):</b>	25
<b>SOLUBILITY DESCRIPTION:</b>	Insoluble in water.		
<b>DECOMPOSITION TEMP. (°C):</b>	> 200		
<b>FLASH POINT (°C):</b>	176	<b>Method:</b>	CC (Closed cup).

## 10. STABILITY AND REACTIVITY

<b>STABILITY:</b>	Normally stable.
<b>HAZARDOUS DECOMP. PRODUCTS:</b>	Fire or high temperatures create: Carbon monoxide (CO). Carbon dioxide (CO <sub>2</sub> ).

## 11. TOXICOLOGICAL INFORMATION

<b>INHALATION:</b>	Vapour may irritate respiratory system or lungs.
<b>INGESTION:</b>	May cause discomfort if swallowed.
<b>SKIN:</b>	Liquid may irritate skin. May cause sensitisation by skin contact.
<b>EYES:</b>	Irritating to eyes.
<b>MEDICAL CONSIDERATIONS:</b>	Skin disorders and allergies.

## 12. ECOLOGICAL INFORMATION

<b>ECOLOGICAL INFORMATION:</b>	Dangerous for the environment: May cause long-term adverse effects in the aquatic environment.
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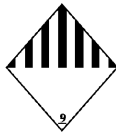
## 13. DISPOSAL CONSIDERATIONS

<b>GENERAL/CLEANING:</b>	This material is classified as special waste as defined by Special Waste Regulations 1996 and must be disposed of by an authorised contractor
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**DISPOSAL METHODS:** Dispose of in accordance with Local Authority requirements.

## 14. TRANSPORT INFORMATION

**LABEL FOR CONVEYANCE:**



**UN No. ROAD:** 3082

**UK ROAD TRANSPORT CLASS:** 9

**UK ROAD PACK GR.:** III

**ADR CLASS No.:** 9

**ADR CLASS:** Class 9: Miscellaneous dangerous substances and articles.

**ADR PACK GR.** 11(c)

**ADR LABEL No.:** 9

**HAZCHEM CODE:** 2X

**CEFIC TEC(R) No.:** 90G01

**PROPER SHIPPING NAME I:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (BISPHENOL A -EPICHLOROHYDRIN EPOXY RESIN (NUMBER AV MW<700))

**RID CLASS No.:** 9

**RID PACK GR.** 11(c)

**UN No. SEA:** 3082

**IMDG CLASS:** 9

**IMDG PACK GR.:** III

**EmS No.:** None

**MFAG TABLE No.:** See Guide

**MARINE POLLUTANT:** No.

**UN No., AIR:** 3082

**ICAO CLASS:** 9

**AIR PACK GR.:** III

## 15. REGULATORY INFORMATION

**LABEL FOR SUPPLY:**





<b>CONTAINS</b>	BISPHENOL A -EPICHLOROHYDRIN EPOXY RESIN (NUMBER AV MW<700) BISPHENOL F EPOXY RESIN
<b>RISK PHRASES:</b>	R-36/38 Irritating to eyes and skin. R-43 May cause sensitisation by skin contact. R-51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
<b>SAFETY PHRASES:</b>	P-5 Contains epoxy constituents. See information supplied by the manufacturer. S-2 Keep out of the reach of children. S-24/25 Avoid contact with skin and eyes. S-26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S-29/56 Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point. S-36/37/39 Wear suitable protective clothing, gloves and eye/face protection. S-46 If swallowed, seek medical advice immediately and show this container or label. S-61 Avoid release to the environment. Refer to special instructions/ Safety Data Sheets.
<b>APPROVED CODE OF PRACTICE:</b>	Safety Data Sheets for Substances and Preparations L62. Classification and Labelling of Substances and Preparations Dangerous for Supply.
<b>GUIDANCE NOTES:</b>	Occupational Exposure Limits EH40. CHIP for everyone HSG(108).

## 16. OTHER INFORMATION

<b>USER NOTES:</b>	This product should be used as directed by Bostik Findley Ltd. For further information consult the product data sheet or contact Technical Services.
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