



## SAFETY DATA SHEET ARALDITE RAPID RESIN

**CP0566A v2.2 RS 314-9675, 314-9681**

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

PRODUCT NAME ARALDITE RAPID RESIN  
PRODUCT NO. 80806, 80808, 808003  
SUPPLIER BOSTIK LIMITED  
COMMON ROAD  
STAFFORD  
STAFFORDSHIRE  
ST16 3EH  
+44 1785 272625  
+44 1785 272650 (24 HOUR)  
sds.uk@bostik.com

Supplied by:  
**RS Components Ltd,**  
Birchington Road, Corby, Northants, NN17 9RS.  
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### 2 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.

CLASSIFICATION Xi;R36/38. R43. N;R51/53.

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
BISPHENOL A -EPICHLOROHYDRIN EPOXY RESIN (NUMBER AV MW<700)	500-033-5	25068-38-6	60-100%	Xi;R36/38. N;R51/53. R43.
BUTANEDIOLDIGLYCIDYL ETHER	219-371-7	2425-79-8	5-10%	Xn;R20/21 R43 Xi;R36/38

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

### 4 FIRST-AID MEASURES

#### INHALATION

Remove victim immediately from source of exposure. Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

#### INGESTION

DO NOT induce vomiting. Get medical attention immediately.

#### SKIN CONTACT

Promptly flush contaminated skin with water. Promptly remove clothing if soaked through and flush the skin with water. Get medical attention if irritation persists after washing.

#### EYE CONTACT

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

### 5 FIRE-FIGHTING MEASURES

#### EXTINGUISHING MEDIA

Use fire-extinguishing media appropriate for surrounding materials.

#### SPECIAL FIRE FIGHTING PROCEDURES

Keep run-off water out of sewers and water sources. Dike for water control. If risk of water pollution occurs, notify appropriate authorities.

#### SPECIFIC HAZARDS

Fire or high temperatures create: Toxic gases/vapours/fumes of Carbon dioxide (CO<sub>2</sub>). Carbon monoxide (CO).

**6 ACCIDENTAL RELEASE MEASURES**

## PERSONAL PRECAUTIONS

Avoid skin and eye contact. Ensure adequate ventilation.

## ENVIRONMENTAL PRECAUTIONS

Prevent entry into drains and water courses.

## SPILL CLEAN UP METHODS

Absorb in vermiculite, dry sand or earth and place into containers.

**7 HANDLING AND STORAGE**

## USAGE PRECAUTIONS

Avoid spilling, skin and eye contact. Persons susceptible for allergic reactions should not handle this product. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.

## STORAGE PRECAUTIONS

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

## STORAGE CLASS

Chemical storage.

**8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

## INGREDIENT COMMENTS

WEL = Workplace Exposure Limits

## 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. Use protective gloves made of: Nitrile.

## EYE PROTECTION

Wear splash-proof eye goggles to prevent any possibility of eye contact.

## OTHER PROTECTION

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

## HYGIENE MEASURES

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. When using do not eat, drink or smoke.

**9 PHYSICAL AND CHEMICAL PROPERTIES**

## APPEARANCE

Liquid

## COLOUR

Colourless to pale yellow

## ODOUR

Slight odour

## BOILING POINT (°C)

>200

## RELATIVE DENSITY

1.17 @ 25 °C

## FLASH POINT (°C)

> 200

**10 STABILITY AND REACTIVITY**

**STABILITY**

Stable under normal temperature conditions.

**CONDITIONS TO AVOID**

Avoid contact with strong oxidisers. Avoid contact with acids and alkalies.

**HAZARDOUS DECOMPOSITION PRODUCTS**Fire or high temperatures create: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).**11 TOXICOLOGICAL INFORMATION****INHALATION**

Vapour may irritate respiratory system or lungs.

**INGESTION**

May cause discomfort if swallowed.

**SKIN CONTACT**

Liquid may irritate skin. May cause sensitisation by skin contact.

**EYE CONTACT**

Irritating to eyes.

**MEDICAL CONSIDERATIONS**

Skin disorders and allergies.

**12 ECOLOGICAL INFORMATION****ECOTOXICITY**

Dangerous for the environment: May cause long-term adverse effects in the aquatic environment.

**13 DISPOSAL CONSIDERATIONS****GENERAL INFORMATION**

This material is classified as special waste as defined by Special Waste Regulations 1996 and must be disposed of by an authorised contractor

**DISPOSAL METHODS**

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

**14 TRANSPORT INFORMATION**

UK ROAD CLASS

9

PROPER SHIPPING NAME

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (BISPHENOL A  
-EPICHLOROHYDRIN EPOXY RESIN (NUMBER AV MW<700))

UN NO. ROAD

3082

UK ROAD PACK GR.

III

ADR CLASS NO.

9

ADR CLASS

Class 9: Miscellaneous  
dangerous substances and  
articles.  
(E)

ADR PACK GROUP

III

TUNNEL RESTRICTION CODE

HAZARD No. (ADR)

90

ADR LABEL NO.

9

HAZCHEM CODE

3Z

CEPIC TEC(R) NO.

90GM6-III

RID CLASS NO.

9

RID PACK GROUP

III

UN NO. SEA

3082

IMDG CLASS

9

## ARALDITE RAPID RESIN

IMDG PAGE NO.	9	IMDG PACK GR.	III
EMS	F-A, S-F	MFAG	See Guide
UN NO. AIR	3082	AIR CLASS	9
AIR PACK GR.	III		

## 15 REGULATORY INFORMATION

## LABELLING



Irritant



Dangerous for the environment

## CONTAINS

BISPHENOL A -EPICHLOROHYDRIN EPOXY RESIN (NUMBER AV MW<700)  
BUTANEDIOLDIGLYCIDYL ETHER

## RISK PHRASES

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.

## SAFETY PHRASES

S2	Keep out of the reach of children
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S29/56	Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.
S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
S46	If swallowed, seek medical advice immediately and show this container or label.
S57	Use appropriate containment to avoid environmental contamination.
S60	This material and its container must be disposed of as hazardous waste.
S61	Avoid release to the environment. Refer to special instructions/safety data sheets.
P5	Contains epoxy constituents. See information supplied by the manufacturer.

## STATUTORY INSTRUMENTS

Chemicals (Hazard Information and Packaging) Regulations. Control of Substances Hazardous to Health.

## APPROVED CODE OF PRACTICE

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

## GUIDANCE NOTES

Workplace Exposure Limits EH40. CHIP for everyone HSG(108).

## 16 OTHER INFORMATION

## GENERAL INFORMATION

This product should be used as directed by Bostik Ltd. For further information consult the product data sheet or contact Technical Services.

## INFORMATION SOURCES

This safety data sheet was compiled using current safety information supplied by distributor of raw materials.

## REVISION COMMENTS

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 Limited.

## ISSUED BY

Approved LJ

REVISION DATE: July 2009

**CP0566A v2.2 RS 314-9675, 314-9681**  
**ARALDITE RAPID RESIN**

SDS NO.: 12820

REVISION DATE July 2009

REV. NO./REPL. SDS GENERATED 6

DATE December 2002

RISK PHRASES IN FULL

- |        |   |
|--------|---|
| 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. |



**SAFETY DATA SHEET**  
**ARALDITE RAPID HARDENER**  
**CP0566B v2.2 RS 314-9675, 314-9681**

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PRODUCT NAME ARALDITE RAPID HARDENER  
 PRODUCT NO. 80806, 80808, 808003  
 SUPPLIER BOSTIK LIMITED  
 COMMON ROAD  
 STAFFORD  
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 +44 1785 272625  
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### 2 HAZARDS IDENTIFICATION

Irritating to eyes and skin. May cause sensitisation by skin contact.

CLASSIFICATION Xi;R36/38. R43.

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
1-(DIMETHYLAMINOETHYL) -4-METHYLPIPERAZINE		104-19-8	1.9%	T;R24. Xn;R22. C;R34.
2,4,6-TRIS(DIMETHYLAMINOMETHYL)PHENOL	202-013-9	90-72-2	1-5%	Xn;R22 Xi;R36/38
BUTYL ACETATE -norm	204-658-1	123-86-4	1-5%	R10 R66 R67
N(3-DIMETHYLAMINOPROPYL) -1,3-PROPYLENEDIAMINE		10563-29-8	2.9%	Xn;R21/22. C;R34. R43.
TRIETHYLENE GLYCOL DIMERCAPTAN		14970-87-7	2.9%	Xn;R20/22.

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

### 4 FIRST-AID MEASURES

#### INHALATION

Remove victim immediately from source of exposure. Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

#### INGESTION

DO NOT induce vomiting. Get medical attention immediately.

#### SKIN CONTACT

Promptly flush contaminated skin with water. Promptly remove clothing if soaked through and flush the skin with water. Get medical attention if irritation persists after washing.

#### EYE CONTACT

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

### 5 FIRE-FIGHTING MEASURES

#### EXTINGUISHING MEDIA

Use fire-extinguishing media appropriate for surrounding materials.

#### PROTECTIVE MEASURES IN FIRE

Wear self contained breathing apparatus

### 6 ACCIDENTAL RELEASE MEASURES

# CP0566B v2.2 RS 314-9675, 314-9681

## ARALDITE RAPID HARDENER

### PERSONAL PRECAUTIONS

Avoid skin and eye contact. Ensure adequate ventilation. Wear personal protective equipment. Avoid breathing vapour

### ENVIRONMENTAL PRECAUTIONS

Prevent entry into drains and water courses.

### SPILL CLEAN UP METHODS

Absorb in vermiculite, dry sand or earth and place into containers.

## 7 HANDLING AND STORAGE

### USAGE PRECAUTIONS

Avoid spilling, skin and eye contact. Persons susceptible for allergic reactions should not handle this product. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.

### STORAGE CLASS

Chemical storage.

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	TWA - 8 hrs		STEL - 15 min		Notes
BUTYL ACETATE -norm	WEL	150 ppm	724 mg/m <sup>3</sup>	200 ppm	966 mg/m <sup>3</sup>	

WEL = Workplace Exposure Limit.

### INGREDIENT COMMENTS

WEL = Workplace Exposure Limits

### 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 must be used if there is a risk of direct contact or splash. Use protective gloves made of: Rubber, neoprene or PVC.

### EYE PROTECTION

Use approved safety goggles or face shield.

### OTHER PROTECTION

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

### HYGIENE MEASURES

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. When using do not eat, drink or smoke.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Viscous Liquid		
COLOUR	Yellow		
BOILING POINT (°C)	>200	VAPOUR PRESSURE	<1 Pa 20
FLASH POINT (°C)	> 100		

## 10 STABILITY AND REACTIVITY

### STABILITY

Stable under normal temperature conditions.

### CONDITIONS TO AVOID

Avoid heat, flames and other sources of ignition. Avoid contact with strong oxidisers.

HAZARDOUS DECOMPOSITION PRODUCTS

Fire or high temperatures create: Carbon monoxide (CO). Carbon dioxide (CO2).

11 TOXICOLOGICAL INFORMATION

INHALATION

Irritating to respiratory system.

INGESTION

May cause discomfort if swallowed.

SKIN CONTACT

Irritating to skin. May cause sensitisation by skin contact.

EYE CONTACT

Irritating to eyes.

MEDICAL CONSIDERATIONS

Skin disorders and allergies.

12 ECOLOGICAL INFORMATION

ECOTOXICITY

Not regarded as dangerous for the environment. However, contamination of the aquatic or terrestrial environments should be avoided

13 DISPOSAL CONSIDERATIONS

DISPOSAL METHODS

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

14 TRANSPORT INFORMATION

GENERAL

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

No transport warning sign required.

15 REGULATORY INFORMATION

LABELLING



Irritant

CONTAINS

N(3-DIMETHYLAMINOPROPYL)-1,3-PROPYLENEDIAMINE

RISK PHRASES

R36/38 Irritating to eyes and skin.  
R43 May cause sensitisation by skin contact.

SAFETY PHRASES

S24/25 Avoid contact with skin and eyes.  
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.  
S46 If swallowed, seek medical advice immediately and show this container or label.  
S56 Dispose of this material and its container to hazardous or special waste collection point.

STATUTORY INSTRUMENTS

Chemicals (Hazard Information and Packaging) Regulations. Control of Substances Hazardous to Health.

APPROVED CODE OF PRACTICE

Classification and Labelling of Substances and Preparations Dangerous for Supply.



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**ARALDITE RAPID HARDENER**

## GUIDANCE NOTES

CHIP for everyone HSG(108). Workplace Exposure Limits EH40.

**16 OTHER INFORMATION**

## GENERAL INFORMATION

This product should be used as directed by Bostik Ltd. For further information consult the product data sheet or contact Technical Services.

## INFORMATION SOURCES

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## ISSUED BY

Approved LJ

REVISION DATE November 2009

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DATE December 2002

## RISK PHRASES IN FULL

R10	Flammable.
R20/22	Harmful by inhalation and if swallowed.
R21/22	Harmful in contact with skin and if swallowed.
R22	Harmful if swallowed.
R24	Toxic in contact with skin.
R34	Causes burns.
R36/38	Irritating to eyes and skin.
R43	May cause sensitisation by skin contact.
R66	Repeated exposure may cause skin dryness or cracking.
R67	Vapours may cause drowsiness and dizziness.