



## SAFETY DATA SHEET

### ARALDITE RAPID STEEL RESIN

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

**PRODUCT NAME:** ARALDITE RAPID STEEL RESIN

**PART No.:** 80815

**SUPPLIER:** Bostik (UK) Limited,  
Ulverscroft Road,  
Leicester. LE4 6BW

**TEL:** 0116-2510015

**FAX:** 0116-2531943

#### 2 COMPOSITION/INFORMATION ON INGREDIENTS

| INGREDIENT NAME                         | CAS No.    | CONTENTS | HEALTH (class) | RISK (R No.) |
|-----------------------------------------|------------|----------|----------------|--------------|
| EPOXY RESIN (Number average MW <= 700 ) | 25068-38-6 | 35-47 %  | Xi             | 36/38, 43    |

#### 3 HAZARDS IDENTIFICATION

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

#### 4 FIRST AID MEASURES

**INHALATION:** Fresh air. Get medical attention if any discomfort continues.

**INGESTION:** Promptly get affected personnel to drink large volumes of water to dilute the swallowed chemical. DO NOT INDUCE VOMITING! Place unconscious person on the side in the recovery position and ensure breathing can take place. Get medical attention.

**SKIN:** Wash skin thoroughly with soap and water. Contact physician if irritation continues or sores develop.

**EYES:** Rinse the eye with water immediately. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

#### 5 FIRE FIGHTING MEASURES

**EXTINGUISHING MEDIA:** Water spray. Powder, foam or CO<sub>2</sub>.

**SPECIAL FIRE FIGHTING PROCEDURES:** Use pressurized air mask if substance is involved in a fire.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Fire creates: Toxic gases/vapors/fumes. Oxides of: Carbon.

#### 6 ACCIDENTAL RELEASE MEASURES

**SPILL CLEANUP METHODS:** Collect with absorbent, non-combustible material into suitable containers. Avoid contact with skin or inhalation of spillage, dust or vapour. Containers with collected spillage must be properly labelled with correct contents and hazard symbol.

# ARALDITE RAPID STEEL RESIN

## 7 HANDLING AND STORAGE

|                             |                                                                                                            |
|-----------------------------|------------------------------------------------------------------------------------------------------------|
| <b>USAGE PRECAUTIONS:</b>   | Avoid spilling, skin and eye contact. Provide good ventilation.                                            |
| <b>STORAGE PRECAUTIONS:</b> | Keep in original container. Keep separate from food, feedstuffs, fertilizers and other sensitive material. |

## 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

### PROTECTIVE EQUIPMENT:



|                                |                                                                                   |
|--------------------------------|-----------------------------------------------------------------------------------|
| <b>VENTILATION:</b>            | Well ventilated area.                                                             |
| <b>RESPIRATORS:</b>            | If ventilation is insufficient, suitable respiratory protection must be provided. |
| <b>PROTECTIVE GLOVES:</b>      | Use suitable protective gloves if risk of skin contact.                           |
| <b>EYE PROTECTION:</b>         | Use safety goggles and face shield in case of splash risk.                        |
| <b>OTHER PROTECTION:</b>       | Wear appropriate clothing to prevent reasonably probable skin contact.            |
| <b>HYGIENIC WORK ROUTINES:</b> | No eating or drinking while working with this material.                           |

## 9 PHYSICAL AND CHEMICAL PROPERTIES

|                            |                |                                    |                     |
|----------------------------|----------------|------------------------------------|---------------------|
| <b>APPEARANCE:</b>         | Liquid.        | <b>COLOUR:</b>                     | Dark. Grey.         |
| <b>ODOUR/TASTE:</b>        | Slight.        | <b>SOLUBILITY DESCRIPTION:</b>     | Insoluble in water. |
| <b>BOILING POINT (°C):</b> | >100 @ 760mmHg | <b>SPECIFIC GRAVITY (Water=1):</b> | ~1.55 @ 25 °C       |
| <b>FLASH POINT (°C):</b>   | >100           | <b>FLASH POINT METHOD:</b>         | CC (Closed cup).    |

## 10 STABILITY AND REACTIVITY

|                                          |                                                                   |
|------------------------------------------|-------------------------------------------------------------------|
| <b>STABILITY:</b>                        | Normally stable.                                                  |
| <b>MATERIALS TO AVOID:</b>               | Strong acids. Bases, alkalies (organic). Strong oxidizing agents. |
| <b>HAZARDOUS DECOMPOSITION PRODUCTS:</b> | Oxides of: Carbon.                                                |

## 11 TOXICOLOGICAL INFORMATION

|                           |                       |
|---------------------------|-----------------------|
| <b>TOXIC DOSE1- LD50:</b> | >2000mg/kg (oral rat) |
| <b>SKIN:</b>              | Irritating to skin.   |
| <b>EYES:</b>              | Irritating to eyes.   |

## 12 ECOLOGICAL INFORMATION

|                               |                                                                |
|-------------------------------|----------------------------------------------------------------|
| <b>ENVIRONMENTAL HAZARDS:</b> | Dangerous for the environment if discharged into watercourses. |
|-------------------------------|----------------------------------------------------------------|

## 13 DISPOSAL CONSIDERATIONS

|                          |                                                             |
|--------------------------|-------------------------------------------------------------|
| <b>DISPOSAL METHODS:</b> | Dispose of in accordance with Local Authority requirements. |
|--------------------------|-------------------------------------------------------------|



## SAFETY DATA SHEET

### ARALDITE RAPID STEEL HARDENER

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

**PRODUCT NAME:** ARALDITE RAPID STEEL HARDENER

**PART No.:** 80815

**SUPPLIER:** Bostik (UK) Limited,  
Ulverscroft Road,  
Leicester. LE4 6BW

**TEL:** 0116-2510015

**FAX:** 0116-2531943

#### 2 COMPOSITION/INFORMATION ON INGREDIENTS

| INGREDIENT NAME                       | CAS No.    | CONTENTS | HEALTH<br>(class) | RISK<br>(R No.)   |
|---------------------------------------|------------|----------|-------------------|-------------------|
| BENZYL ALCOHOL                        | 100-51-6   | 10-15 %  | Xn                | 20/22             |
| 2,4,6-TRIS(DIMETHYLAMINOMETHYL)PHENOL | 90-72-2    | 3-9 %    | Xn                | 22, 36/38         |
| Triethylenetetramine                  | 112-24-3   | 1-5 %    | C                 | 21, 34, 43        |
| Trimethylhexamethylenediamine         | 25620-58-0 | 1-5 %    | C                 | 22, 34, 43, 52/53 |

#### 3 HAZARDS IDENTIFICATION

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

#### 4 FIRST AID MEASURES

**INHALATION:** Fresh air. Get medical attention if any discomfort continues.

**INGESTION:** Promptly get affected personnel to drink large volumes of water to dilute the swallowed chemical. DO NOT INDUCE VOMITING! Place unconscious person on the side in the recovery position and ensure breathing can take place. Get medical attention.

**SKIN:** Wash skin thoroughly with soap and water. Contact physician if irritation continues or sores develop.

**EYES:** Rinse the eye with water immediately. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

#### 5 FIRE FIGHTING MEASURES

**EXTINGUISHING MEDIA:** Water spray. Powder, foam or CO<sub>2</sub>.

**SPECIAL FIRE FIGHTING PROCEDURES:** Use pressurized air mask if substance is involved in a fire.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Fire creates: Toxic gases/vapors/fumes. Oxides of: Carbon.

# ARALDITE RAPID STEEL HARDENER

## 6 ACCIDENTAL RELEASE MEASURES

**SPILL CLEANUP METHODS:** Collect with absorbent, non-combustible material into suitable containers. Avoid contact with skin or inhalation of spillage, dust or vapour. Containers with collected spillage must be properly labelled with correct contents and hazard symbol.

## 7 HANDLING AND STORAGE

**USAGE PRECAUTIONS:** Avoid spilling, skin and eye contact. Provide good ventilation.  
**STORAGE PRECAUTIONS:** Keep in original container. Keep separate from food, feedstuffs, fertilizers and other sensitive material.

## 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

| INGREDIENT NAME | CAS No   | STD | LT EXP<br>(8 hrs) | ST EXP<br>(15 min) |
|-----------------|----------|-----|-------------------|--------------------|
| BENZYL ALCOHOL  | 100-51-6 |     | No std.           | No std.            |

**PROTECTIVE EQUIPMENT:**



**VENTILATION:** Well ventilated area.  
**RESPIRATORS:** If ventilation is insufficient, suitable respiratory protection must be provided.  
**PROTECTIVE GLOVES:** Use suitable protective gloves if risk of skin contact.  
**EYE PROTECTION:** Use safety goggles and face shield in case of splash risk.  
**OTHER PROTECTION:** Wear appropriate clothing to prevent reasonably probable skin contact.  
**HYGIENIC WORK ROUTINES:** No eating or drinking while working with this material.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

|                                    |                  |                                |                     |
|------------------------------------|------------------|--------------------------------|---------------------|
| <b>APPEARANCE:</b>                 | Paste or slurry. | <b>COLOUR:</b>                 | Beige.              |
| <b>ODOUR/TASTE:</b>                | Slight.          | <b>SOLUBILITY DESCRIPTION:</b> | Insoluble in water. |
| <b>SPECIFIC GRAVITY (Water=1):</b> | ~1.55 @ 20 °C    | <b>FLASH POINT (°C):</b>       | >200                |
| <b>FLASH POINT METHOD:</b>         | CC (Closed cup). |                                |                     |

## 10 STABILITY AND REACTIVITY

**STABILITY:** Normally stable.  
**MATERIALS TO AVOID:** Strong acids. Bases, alkalies (organic). Strong oxidizing agents.  
**HAZARDOUS DECOMPOSITION PRODUCTS:** Oxides of: Carbon. Nitrogen. Sulphur.

## 11 TOXICOLOGICAL INFORMATION

**TOXIC DOSE1- LD50:** >2000mg/kg (oral rat)  
**SKIN:** Irritating to skin.  
**EYES:** Risk of serious damage to eye.

## 12 ECOLOGICAL INFORMATION

**ENVIRONMENTAL HAZARDS:** Dangerous for the environment if discharged into watercourses.

# ARALDITE RAPID STEEL HARDENER

---

## 13 DISPOSAL CONSIDERATIONS

---

**DISPOSAL METHODS:** Dispose of in accordance with Local Authority requirements.

---

## 14 TRANSPORT INFORMATION

---

**ROAD:**  
**HAZARD CLASS (ADR):** Not classified for transportation.

**RAIL:**  
**SEA:**  
**AIR:**

---

## 15 REGULATORY INFORMATION

---

**LABEL FOR SUPPLY:**



**IRRITANT**

**RISK PHRASES:** R-36/38 Irritating to eyes and skin.  
R-43 May cause sensitisation by skin contact.

**SAFETY PHRASES:** S-2 Keep out of reach of children.  
S-28 After contact with skin, wash immediately with plenty of water.  
S-37/39 Wear suitable gloves and eye/face protection.

**APPROVED CODE OF PRACTICE:** Safety Data Sheets for Substances and Preparations L62.  
**GUIDANCE NOTES:** CHIP2 for everyone HSG(126).

---

## 16 OTHER INFORMATION

---

**REVISION DATE:** 05/99  
**REVISION No. /REPLACES SDS ISSUED:**  
1 - /