

## 1 Identification of the substance/mixture and of the company/undertaking

- **Product identifier**
- **Trade name: SP 115 RESIN**
- **Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the preparation Epoxy resin**

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

- **Manufacturer/Supplier:**

GURIT ( UK ) Ltd.  
 ST. CROSS BUSINESS PARK  
 NEWPORT IOW  
 PO30 5WU  
 UNITED KINGDOM  
 TEL. +44 (0)1983 828000  
 FAX. +44 (0)1983 828100  
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GURIT ASIA PACIFIC  
 1A/81 BASSETT ST.  
 MONA VALE, 2103,NSW  
 AUSTRALIA  
 A.C.N. 070 155 485  
 +61 (0)2 9979 7248  
 +61 (0)2 9979 6378

- **Informing department:** Product safety department.
- **Emergency telephone number:** Contact as above

## 2 Hazards identification

- **Classification of the substance or mixture**
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**



Xi; Irritant

R36/38: Irritating to eyes and skin.



Xi; Sensitising

R43: 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.

- **Information concerning particular hazards for human and environment:**

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

- **Classification system:**

The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

- **Label elements**

- **Labelling according to EU guidelines:**

The product has been classified and labelled in accordance with EC Directives / Ordinance on Hazardous Materials (GefStoffV)

- **Code letter and hazard designation of product:**

Xi Irritant

N Dangerous for the environment

- **Hazard-determining components of labelling:**

bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight  $\leq 700$ )

Diglycidylether of Bisphenol F

1,4-bis(2,3-epoxypropoxy)butane

Benzyl alcohol

- **Risk phrases:**

36/38 Irritating to eyes and skin.

43 May cause sensitisation by skin contact.

51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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**Safety phrases:**

- 2 Keep out of the reach of children.
- 23 Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).
- 24/25 Avoid contact with skin and eyes.
- 29/56 Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.
- 37/39 Wear suitable gloves and eye/face protection.
- 46 If swallowed, seek medical advice immediately and show this container or label.

**Special labelling of certain preparations:**

Contains epoxy constituents. See information supplied by the manufacturer.

**Other hazards****Results of PBT and vPvB assessment**

**PBT:** Not applicable.

**vPvB:** Not applicable.

### 3 Composition/information on ingredients

**Chemical characterization: Mixtures**

**Description:** Resin mixture.

**Dangerous components:**

CAS: 25068-38-6 NLP: 500-033-5	bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight $\leq 700$ ) Xi R36/38;  Xi R43;  N R51/53	25-50%
CAS: 9003-36-5	Diglycidylether of Bisphenol F Xi R36/38;  Xi R43;  N R51/53	25-50%
CAS: 2425-79-8 EINECS: 219-371-7	1,4-bis(2,3-epoxypropoxy)butane Xn R20/21;  Xi R36/38;  Xi R43	10-25%
CAS: 100-51-6 EINECS: 202-859-9	Benzyl alcohol Xn R20/22;  Xi R43	2.5-10%

**Additional information** For the wording of the listed risk phrases refer to section 16.

### 4 First aid measures

**Description of first aid measures****After inhalation**

Supply fresh air and call for doctor for safety reasons.

In case of unconsciousness bring patient into stable side position for transport.

**After skin contact** Instantly wash with water and soap and rinse thoroughly.

**After eye contact**

Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.

**After swallowing** In case of persistent symptoms consult doctor.

**Information for doctor****Most important symptoms and effects, both acute and delayed**

No further relevant information available.

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

No further relevant information available.

### 5 Firefighting measures

**Extinguishing media****Suitable extinguishing agents**

Water haze

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Foam

Fire-extinguishing powder

Carbon dioxide

- **Special hazards arising from the substance or mixture**

- Formation of toxic gases is possible during heating or in case of fire.

- **Advice for firefighters**

- **Protective equipment:**

- Wear full protective suit.

- Wear self-contained breathing apparatus.

- **Additional information** Collect contaminated fire fighting water separately. It must not enter drains.

## 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**

- Wear protective equipment. Keep unprotected persons away.

- **Environmental precautions:**

- Prevent material from reaching sewage system, holes and cellars.

- Do not allow to enter drainage system, surface or ground water.

- **Methods and material for containment and cleaning up:**

- Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

- **Reference to other sections**

- See Section 8 for information on personal protection equipment.

## 7 Handling and storage

- **Handling**

- **Precautions for safe handling**

- Store in cool, dry place in tightly closed containers.

- Ensure good ventilation/exhaustion at the workplace.

- **Information about protection against explosions and fires:**

- Keep ignition sources away - Do not smoke.

- **Conditions for safe storage, including any incompatibilities**

- **Storage**

- Requirements to be met by storerooms and containers:** No special requirements.

- Information about storage in one common storage facility:** Store away from foodstuffs.

- Further information about storage conditions:** Keep container tightly sealed.

- Specific end use(s)** No further relevant information available.

## 8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.

- **Control parameters**

- **Components with limit values that require monitoring at the workplace:**

- The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

- **Additional information:** The lists that were valid during the compilation were used as basis.

- **Exposure controls**

- **Personal protective equipment**

- **General protective and hygienic measures**

- Keep away from foodstuffs, beverages and food.

- Take off immediately all contaminated clothing

- Wash hands during breaks and at the end of the work.

- Avoid contact with the eyes and skin.

- **Breathing equipment:** Use breathing protection in case of insufficient ventilation.

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- **Protection of hands:**



Protective gloves.

- **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- **Penetration time of glove material**

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable:**

Nitrile rubber, NBR

- **As protection from splashes gloves made of the following materials are suitable:**

Nitrile rubber, NBR

- **Eye protection:**



Tightly sealed safety glasses.

- **Body protection:** Protective work clothing.

## 9 Physical and chemical properties

- **Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

<b>Form:</b>	Fluid
<b>Colour:</b>	Violet
<b>Odour:</b>	Weak, characteristic

- **Change in condition**

<b>Melting point/Melting range:</b>	Not determined
<b>Boiling point/Boiling range:</b>	266°C

- **Flash point:** 112°C

- **Ignition temperature:** 460.0°C

- **Self-inflammability:** Product is not selfigniting.

- **Danger of explosion:** Product is not explosive.

- **Density at 20°C** 1.150 g/cm<sup>3</sup>

- **Solubility in / Miscibility with**

**Water:** Partly miscible

- **Viscosity:**

**dynamic at 20°C:** 750 mPas

- **Solvent content:**

<b>Organic solvents:</b>	0.0 %
<b>Water:</b>	0.0 %

**Solids content:** 1.0 %

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· **Other information** No further relevant information available.

### 10 Stability and reactivity

- **Reactivity**
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **Possibility of hazardous reactions** Reacts with alkali, amines and strong acids
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** Danger of toxic pyrolysis products

### 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

· **LD/LC50 values that are relevant for classification:**

**2425-79-8 1,4-bis(2,3-epoxypropoxy)butane**

Oral	LD50	1880 mg/kg (rat)
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- **Primary irritant effect:**
- **on the skin:** Irritant to skin and mucous membranes.
- **on the eye:** Irritant effect.
- **Sensitization:** Sensitization possible by skin contact.
- **Additional toxicological information:**  
The product shows the following dangers according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:  
Irritant

### 12 Ecological information

- **Toxicity**
- **Acquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**  
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water.  
Do not allow product to reach ground water, water bodies or sewage system.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

### 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**  
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

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- **European waste catalogue**

08 00 00	WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS
08 04 00	wastes from MFSU of adhesives and sealants (including waterproofing products)
08 04 09	waste adhesives and sealants containing organic solvents or other dangerous substances

- **Uncleaned packagings:**

- **Recommendation:**

Packagings that cannot be cleaned are to be disposed of in the same manner as the product.

- **Recommended cleaning agent:** Water, if necessary with cleaning agent.

### 14 Transport information

- **UN-Number**

- **ADR, IMDG, IATA**

UN3082

- **UN proper shipping name**

- **ADR**

3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight  $\leq$  700), Diglycidylether of Bisphenol F)

- **IMDG, IATA**

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight  $\leq$  700), Diglycidylether of Bisphenol F)

- **Transport hazard class(es)**

- **ADR, IMDG, IATA**



- **Class**

9 Miscellaneous dangerous substances and articles.

- **Label**

9

- **Packing group**

- **ADR, IMDG, IATA**

III

- **Environmental hazards:**

- **Marine pollutant:**

Yes

Symbol (fish and tree)

- **Special marking (ADR):**

Symbol (fish and tree)

- **Special marking (IATA):**

Symbol (fish and tree)

- **Special precautions for user**

Warning: Miscellaneous dangerous substances and articles.

- **Kemler Number:**

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- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable.

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### 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **National regulations**
- **Technical instructions (air):**

Class	Share in %
II	3.5

- **Water hazard class:** Water hazard class 2 (Self-assessment): hazardous for water.
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 16 Other information

*These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.*

- **Relevant phrases**  
R20/21 Harmful by inhalation and in contact with skin.  
R20/22 Harmful by inhalation and if swallowed.  
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.
- **Department issuing data specification sheet:** Health, Safety & Environmental department.
- **Contact:** SIMON RHODES
- \* **Data compared to the previous version altered.**

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