



**alocit**systems

**SAFETY DATA SHEET  
ALOCIT RESIN 28.95**

**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

**1.1. Product identifier**

**Product name** ALOCIT RESIN 28.95

**Product number** AS30080B

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

**Identified uses** EPOXY COATING

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

**Supplier**

ALOCIT USA  
3169 S. Arlington Ave., Indianapolis, Indiana 46203.  
+1 317 631-9100  
ALOCIT INTERNATIONAL  
3 Charles Wood Road, Dereham, UK NR19 1SX  
+44 1362 694915

**1.4. Emergency telephone number**

**Emergency telephone** 24 HR EMERGENCY TELEPHONE NUMBER : US +1 800 535 5053 UK + 44 (0) 7930 595916

**SECTION 2: Hazards identification**

**2.1. Classification of the substance or mixture**

**Classification (EC 1272/2008)**

**Physical hazards** Not Classified

**Health hazards** Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317 Muta. 2 - H341

**Environmental hazards** Aquatic Chronic 2 - H411

**Human health** The liquid is irritating to eyes and skin.

**Environmental** The product contains a substance which is harmful to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

**2.2. Label elements**

**Hazard pictograms**



**Signal word**

**Warning**

## ALOCIT RESIN 28.95

<b>Hazard statements</b>	<p>H315 Causes skin irritation.</p> <p>H317 May cause an allergic skin reaction.</p> <p>H319 Causes serious eye irritation.</p> <p>H341 Suspected of causing genetic defects.</p> <p>H411 Toxic to aquatic life with long lasting effects.</p>
<b>Precautionary statements</b>	<p>P201 Obtain special instructions before use.</p> <p>P202 Do not handle until all safety precautions have been read and understood.</p> <p>P261 Avoid breathing vapour/ spray.</p> <p>P264 Wash contaminated skin thoroughly after handling.</p> <p>P272 Contaminated work clothing should not be allowed out of the workplace.</p> <p>P273 Avoid release to the environment.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P302+P352 IF ON SKIN: Wash with plenty of water.</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P308+P313 IF exposed or concerned: Get medical advice/ attention.</p> <p>P321 Specific treatment (see medical advice on this label).</p> <p>P332+P313 If skin irritation occurs: Get medical advice/ attention.</p> <p>P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.</p> <p>P337+P313 If eye irritation persists: Get medical advice/ attention.</p> <p>P362+P364 Take off contaminated clothing and wash it before reuse.</p> <p>P391 Collect spillage.</p> <p>P405 Store locked up.</p> <p>P501 Dispose of contents/ container in accordance with national regulations.</p>
<b>Contains</b>	<p>BISPHENOL A-(EPICHLORHYDRIN) {REACTION PRODUCT}, 2,3-EPOXYPROPYL O-TOLYL ETHER</p>
<b>Supplementary precautionary statements</b>	<p>P201 Obtain special instructions before use.</p> <p>P202 Do not handle until all safety precautions have been read and understood.</p> <p>P261 Avoid breathing vapour/spray.</p> <p>P264 Wash contaminated skin thoroughly after handling.</p> <p>P272 Contaminated work clothing should not be allowed out of the workplace.</p> <p>P302+P352 IF ON SKIN: Wash with plenty of water.</p> <p>P321 Specific treatment (see medical advice on this label).</p> <p>P332+P313 If skin irritation occurs: Get medical advice/ attention.</p> <p>P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.</p> <p>P337 If eye irritation persists:</p> <p>P362 Take off contaminated clothing.</p> <p>P363 Wash contaminated clothing before reuse.</p> <p>P391 Collect spillage.</p> <p>P405 Store locked up.</p>

### 2.3. Other hazards

This substance is not classified as PBT or vPvB according to current EU criteria.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

## ALOCIT RESIN 28.95

<b>reaction product: bisphenol-A-(epichlorhydrin)</b>	<b>60-100%</b>
CAS number: 25068-38-6	EC number: 500-033-5
	REACH registration number: 01-2119456619-26-0000
<b>Classification</b>	
Skin Irrit. 2 - H315	
Eye Irrit. 2 - H319	
Skin Sens. 1 - H317	
Aquatic Chronic 2 - H411	
<b>2,3-EPOXYPROPYL O-TOLYL ETHER</b>	<b>10-30%</b>
CAS number: 2210-79-9	EC number: 218-645-3
	REACH registration number: 01-2119966907-18-0000
<b>Classification</b>	
Skin Irrit. 2 - H315	
Skin Sens. 1 - H317	
Muta. 2 - H341	
Aquatic Chronic 2 - H411	

The full text for all hazard statements is displayed in Section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

<b>Inhalation</b>	Move affected person to fresh air at once. If breathing stops, provide artificial respiration. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Keep affected person warm and at rest. Get medical attention immediately.
<b>Ingestion</b>	Do not induce vomiting. Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention immediately.
<b>Skin contact</b>	Remove affected person from source of contamination. Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if any discomfort continues.
<b>Eye contact</b>	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention. Get medical attention promptly if symptoms occur after washing.

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

<b>Inhalation</b>	No specific symptoms known.
<b>Ingestion</b>	No specific symptoms known.
<b>Skin contact</b>	Prolonged skin contact may cause redness and irritation.
<b>Eye contact</b>	Irritating to eyes. Symptoms following overexposure may include the following: Redness. Pain.

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

<b>Notes for the doctor</b>	No specific recommendations. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.
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## ALOCIT RESIN 28.95

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

**Suitable extinguishing media** Water. Foam. Carbon dioxide (CO<sub>2</sub>). Dry chemicals, sand, dolomite etc.

**Unsuitable extinguishing media** Not known.

#### 5.2. Special hazards arising from the substance or mixture

**Specific hazards** Fire or high temperatures create: Toxic gases/vapours/fumes of: Carbon dioxide (CO<sub>2</sub>). Carbon monoxide (CO). Thermal decomposition or combustion products may include the following substances: Toxic gases or vapours.

**Hazardous combustion products** Carbon dioxide (CO<sub>2</sub>). Carbon monoxide (CO). Halogenated hydrocarbons.

#### 5.3. Advice for firefighters

**Protective actions during firefighting** Isolate area. Very toxic to aquatic organisms. Control run-off water by containing and keeping it out of sewers and watercourses.

**Special protective equipment for firefighters** Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Use air-supplied respirator, gloves and protective goggles.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions** For personal protection, see Section 8. Keep unnecessary and unprotected personnel from entering the area. Avoid inhalation of vapours. Isolate area.

#### 6.2. Environmental precautions

**Environmental precautions** Avoid discharge into drains or watercourses or onto the ground. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

#### 6.3. Methods and material for containment and cleaning up

**Methods for cleaning up** Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Avoid the spillage or runoff entering drains, sewers or watercourses. For waste disposal, see Section 13.

#### 6.4. Reference to other sections

**Reference to other sections** Wear protective clothing as described in Section 8 of this safety data sheet. See Section 11 for additional information on health hazards. Collect and dispose of spillage as indicated in Section 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

**Usage precautions** Do not eat, drink or smoke when using this product. Persons susceptible to allergic reactions should not handle this product. Avoid contact with skin and eyes. Avoid inhalation of vapours and spray/mists. Store in tightly-closed, original container. Wear suitable protective clothing as protection against splashing or contamination.

#### 7.2. Conditions for safe storage, including any incompatibilities

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

**Storage class** Chemical storage.

#### 7.3. Specific end use(s)

## ALOCIT RESIN 28.95

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

### SECTION 8: Exposure controls/Personal protection

#### 8.1. Control parameters

##### reaction product: bisphenol-A-(epichlorhydrin) (CAS: 25068-38-6)

##### DNEL

Industry - Dermal; Short term systemic effects: 8.3 mg/kg/day  
 Industry - Inhalation; Short term systemic effects: 12.3 mg/m<sup>3</sup>  
 Industry - Dermal; Long term systemic effects: 8.3 mg/kg/day  
 Industry - Inhalation; Long term systemic effects: 12.3 mg/m<sup>3</sup>  
 Consumer - Dermal; Short term systemic effects: 3.6 mg/kg/day  
 Consumer - Inhalation; Short term systemic effects: 0.75 mg/m<sup>3</sup>  
 Consumer - Oral; Short term systemic effects: 0.75 mg/kg/day  
 Consumer - Dermal; Long term systemic effects: 3.6 mg/kg/day  
 Consumer - Inhalation; Long term systemic effects: 0.75 mg/m<sup>3</sup>

##### PNEC

- Fresh water; 3 mg/l  
 - marine water; 0.3 mg/l  
 - Sediment (Freshwater); 0.5 mg/kg  
 - Sediment (Marinewater); 0.5 mg/kg  
 - Intermittent release; 0.013 mg/l

#### 8.2. Exposure controls

##### Protective equipment



##### Appropriate engineering controls

Provide adequate general and local exhaust ventilation.

##### Eye/face protection

The following protection should be worn: Chemical splash goggles.

##### Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.

##### Other skin and body protection

AVOID ALL SKIN AND RESPIRATORY CONTACT! Wear appropriate clothing to prevent any possibility of skin contact. Wear apron or protective clothing in case of contact.

##### Hygiene measures

Provide eyewash station. Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Do not eat, drink or smoke when using this product.

##### Respiratory protection

If ventilation is inadequate, suitable respiratory protection must be worn. Check that the respirator fits tightly and the filter is changed regularly.

##### Environmental exposure controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

##### Appearance

Coloured paste. or Liquid.

## ALOCIT RESIN 28.95

<b>Colour</b>	Variable
<b>Odour</b>	Slight.
<b>Odour threshold</b>	No information available.
<b>pH</b>	No information available.
<b>Melting point</b>	Not determined.
<b>Initial boiling point and range</b>	Not determined.
<b>Flash point</b>	>1500°C
<b>Evaporation rate</b>	Not determined.
<b>Evaporation factor</b>	No information available.
<b>Flammability (solid, gas)</b>	No information available.
<b>Upper/lower flammability or explosive limits</b>	Not determined.
<b>Other flammability</b>	No information available.
<b>Vapour pressure</b>	Not determined.
<b>Vapour density</b>	Not determined.
<b>Relative density</b>	No information available.
<b>Bulk density</b>	No information available.
<b>Solubility(ies)</b>	No information available.
<b>Partition coefficient</b>	No information available.
<b>Auto-ignition temperature</b>	No information available.
<b>Decomposition Temperature</b>	No information available.
<b>Viscosity</b>	Not determined.
<b>Explosive properties</b>	No information available.
<b>Explosive under the influence of a flame</b>	Not considered to be explosive.
<b>Oxidising properties</b>	Not available.

### 9.2. Other information

**Other information** No information required.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity** Stable at normal ambient temperatures and when used as recommended.

### 10.2. Chemical stability

**Stability** No particular stability concerns.

### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** Hazardous reactions or instability may occur under certain conditions of storage or use.

### 10.4. Conditions to avoid

## ALOCIT RESIN 28.95

**Conditions to avoid** Avoid heat, flames and other sources of ignition. Avoid contact with the following materials:  
Strong oxidising agents.

### 10.5. Incompatible materials

**Materials to avoid** Strong oxidising agents.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Thermal decomposition or combustion products may include the following substances: Toxic gases/vapours/fumes of: Carbon dioxide (CO<sub>2</sub>). Carbon monoxide (CO).

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

**Inhalation** Vapour may irritate respiratory system/lungs.  
**Ingestion** Liquid irritates mucous membranes and may cause abdominal pain if swallowed.  
**Skin contact** Irritating to skin. May cause sensitisation by skin contact.  
**Eye contact** Irritation of eyes and mucous membranes.

### Toxicological information on ingredients.

#### reaction product: bisphenol-A-(epichlorhydrin)

#### Acute toxicity - oral

**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 15,000.0

**Species** Rat

**ATE oral (mg/kg)** 15,000.0

#### Acute toxicity - dermal

**Acute toxicity dermal (LD<sub>50</sub> mg/kg)** 23,032.0

**Species** Rabbit

**ATE dermal (mg/kg)** 23,032.0

#### Acute toxicity - inhalation

**Notes (inhalation LC<sub>50</sub>)** Not applicable.

#### Serious eye damage/irritation

**Serious eye damage/irritation** Causes serious eye irritation.

#### Skin sensitisation

**Skin sensitisation** Irritating to skin. Prolonged skin contact may cause redness and irritation. May cause sensitisation by skin contact.

#### Carcinogenicity

**Carcinogenicity** Not applicable.

#### Reproductive toxicity

**Reproductive toxicity - fertility** Fertility - NOAEL 750 mg/kg/day, Oral, Rat

## ALOCIT RESIN 28.95

**Reproductive toxicity - development**      Developmental toxicity: - NOAEL: 180 mg/kg/day, Oral, Rat

**Specific target organ toxicity - single exposure**

**STOT - single exposure**      Not applicable.

**Specific target organ toxicity - repeated exposure**

**STOT - repeated exposure**      Not applicable.

### SECTION 12: Ecological information

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

#### 12.1. Toxicity

##### Ecological information on ingredients.

**reaction product: bisphenol-A-(epichlorhydrin)**

**Acute aquatic toxicity**

**Acute toxicity - fish**      EC<sub>50</sub>, 96 hours: 3.6 mg/l, Oncorhynchus mykiss (Rainbow trout)

**Acute toxicity - aquatic invertebrates**      EC<sub>50</sub>, 48 hours: 1.8 mg/l, Daphnia magna

**Acute toxicity - aquatic plants**      EC<sub>50</sub>, 72 hours: 11 mg/l, Scenedesmus subspicatus

**Chronic aquatic toxicity**

**Chronic toxicity - fish early life stage**      Not available.

**Chronic toxicity - aquatic invertebrates**      Not available.

#### 12.2. Persistence and degradability

**Persistence and degradability**      There are no data on the degradability of this product.

##### Ecological information on ingredients.

**reaction product: bisphenol-A-(epichlorhydrin)**

**Persistence and degradability**      Not readily biodegradable.

#### 12.3. Bioaccumulative potential

**Bioaccumulative potential**      No data available on bioaccumulation.

**Partition coefficient**      No information available.

##### Ecological information on ingredients.

**reaction product: bisphenol-A-(epichlorhydrin)**

**Bioaccumulative potential**      The product is not bioaccumulating.

**Partition coefficient**      log Pow: 3.242

#### 12.4. Mobility in soil



## ALOCIT RESIN 28.95

**Mobility** No data available.

### Ecological information on ingredients.

#### reaction product: bisphenol-A-(epichlorhydrin)

**Mobility** No data available.

**Surface tension** 60 mN/m @ 20°C

### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** This substance is not classified as PBT or vPvB according to current EU criteria.

### Ecological information on ingredients.

#### reaction product: bisphenol-A-(epichlorhydrin)

**Results of PBT and vPvB assessment** This substance is not classified as PBT or vPvB according to current EU criteria.

### 12.6. Other adverse effects

**Other adverse effects** Not known.

### Ecological information on ingredients.

#### reaction product: bisphenol-A-(epichlorhydrin)

**Other adverse effects** None known.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**General information** Waste should be treated as controlled waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

**Disposal methods** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Residues and empty containers should be taken care of as hazardous waste according to local and national provisions. Avoid the spillage or runoff entering drains, sewers or watercourses.

**Waste class** EWC NUMBER : Allocation of a waste code number in accordance with the European Waste Catalogue, should be carried out in agreement with an EA authorised waste disposal company.

## SECTION 14: Transport information

**Road transport notes** SP375 – These substances when carried in Single or Combination packaging's containing a net Qty per single or inner packaging of 5ltr or less for liquids or having a net mass per single or inner packaging of 5kg or less for solids, are not subject to any provisions of ADR provided the packaging's meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8

**Sea transport notes** Chapter 2.10 – 2.10.2.7 – Marine Pollutants packaged in Single or Combination packaging's containing a net Qty per single or inner packaging of 5ltr or less for liquids or having a net mass per single or inner packaging of 5kg or less for solids, are not subject to any other provisions of this code relevant to Marine Pollutants, provided the packaging's meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8. In the case of Marine Pollutants also meeting the Criteria for inclusion in another class, all provisions of this code relevant to any additional hazards continue to apply

## ALOCIT RESIN 28.95

**Air transport notes** A197 - These substances when carried in Single or Combination packaging's containing a net Qty per single or inner packaging of 5ltr or less for liquids or having a net mass per single or inner packaging of 5kg or less for solids, are not subject to any other provisions of these regulations provided the packaging's meet the general provisions of 5.0.2.4.1, 5.0.2.6.1.1 and 5.0.2.8

### 14.1. UN number

UN No. (ADR/RID) 3082

UN No. (IMDG) 3082

UN No. (ICAO) 3082

### 14.2. UN proper shipping name

**Proper shipping name (ADR/RID)** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (EPOXY RESIN (Number average MW <= 700 ))

**Proper shipping name (IMDG)** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (EPOXY RESIN (Number average MW <= 700 ))

**Proper shipping name (ICAO)** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (EPOXY RESIN (Number average MW <= 700 ))

**Proper shipping name (ADN)** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (EPOXY RESIN (Number average MW <= 700 ))

### 14.3. Transport hazard class(es)

ADR/RID class 9

ADR/RID label 9

IMDG class 9

ICAO class/division 9

### Transport labels



### 14.4. Packing group

ADR/RID packing group III

IMDG packing group III

ICAO packing group III

### 14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant



### 14.6. Special precautions for user

EmS F-A, S-F

Emergency Action Code 3Z

## ALOCIT RESIN 28.95

**Hazard Identification Number** 90  
(ADR/RID)

**Tunnel restriction code** (E)

### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not applicable.

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

<b>National regulations</b>	Control of Substances Hazardous to Health Regulations 2002 (as amended).
<b>EU legislation</b>	Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.
<b>Guidance</b>	A guide to local exhaust ventilation (LEV) HSG258 (as ammended) Workplace Exposure Limits EH40.

### 15.2. Chemical safety assessment

Not applicable.

## SECTION 16: Other information

<b>Revision date</b>	09/08/2024
<b>Revision</b>	6
<b>Supersedes date</b>	05/05/2017
<b>Hazard statements in full</b>	H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H341 Suspected of causing genetic defects. H411 Toxic to aquatic life with long lasting effects.

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