

# SAFETY DATA SHEET

ALOCIT 28.14 ZINC PRIMER DARK GREY



## 1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

**PRODUCT NAME:** ALOCIT 28.14 ZINC PRIMER DARK GREY  
**PRODUCT NO:** AS30545B  
**SUPPLIER:** A&E SYSTEMS LIMITED 3 CHARLES WOOD ROAD, DEREHAM, NR19 1SX, UK  
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**NOTE:** All information relates to unmixed resin - see hardener MSDS for further information on product before use.  
Mixed and cured product is inert, environmental risk from cured product is negligible - see Section 16.

## 2 COMPOSITION/INFORMATION ON INGREDIENTS

| Name   | EC No.    | CAS-No.    | Content | Classification                                |
|--|-----------|------------|---------|---|
| ZINC POWDER (PYROPHORIC)   | 231-175-3 | 7440-66-6  | 50-60%  | F;R15,R17 N;R50/53                            |
| EPOXY RESIN (Number average MW <= 700)                                     | 500-033-5 | 25068-38-6 | 20-30%  | R43 Xi;R36/38 N;R51/53                        |
| CRESYL GLYCIDYL ETHER<br>polyamine/fatty acid condensation polymer         | 247-711-4 | 26447-14-3 | 10-20%  | Muta3;R68 R43 Xi;R38 N;R51/53<br>Xi;R38. R43. |
| 1-METHOXY-2-PROPANOL   | 203-539-1 | 107-98-2   | <1%     | R10   |
| CYCLOHEXANONE  | 203-631-1 | 108-94-1   | <1%     | R10 Xn;R20                                    |
| Bisphenol F - epichlorohydrin resin<br>with Number Average Molecular < 700 |           | 28064-14-4 | <1%     | Xi;R36/38. N;R51/53. R43.                     |
| Aliphatic glycidylether  |           | 68081-84-5 | <1%     | Xi;R36/38. N;R51/53. R43.                     |

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

## 3 HAZARDS IDENTIFICATION

May cause sensitisation by skin contact. Irritating to eyes and skin. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Possible risk of irreversible effects.  
CLASSIFICATION Mut 3;R68. Xi;R36/38. R43. N;R50/53.

## 4 FIRST-AID MEASURES

**INHALATION:** Move the exposed person to fresh air at once. Perform artificial respiration if breathing has stopped. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Keep the affected person warm and at rest. Get prompt medical attention.

**INGESTION:** DO NOT INDUCE VOMITING! NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS!  
Rinse mouth thoroughly. Drink plenty of water. Get medical attention immediately!

**SKIN CONTACT:** Remove affected person from source of contamination. 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 any discomfort continues.

**EYE CONTACT:** Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention. Get medical attention promptly if symptoms occur after washing.

## 5 FIRE-FIGHTING MEASURES

**EXTINGUISHING MEDIA:** Water. Foam. Carbon dioxide (CO<sub>2</sub>). Dry chemicals, sand, dolomite etc.

**SPECIAL FIRE FIGHTING PROCEDURES:** Use special protective clothing. Regular protection may not be safe. Avoid breathing fire vapours. If risk of water pollution occurs, notify appropriate authorities.

**UNUSUAL FIRE & EXPLOSION HAZARDS:** Fire causes formation of toxic gases.

**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

SPILL CLEAN UP METHODS: Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Runoff or release to sewer, waterway or ground is forbidden.

## 7 HANDLING AND STORAGE

USAGE PRECAUTIONS: Avoid spilling, skin and eye contact.

STORAGE PRECAUTIONS: Store in tightly closed original container in a dry and cool place.

STORAGE CLASS: Chemical storage.

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

| Name                 | Std | LT - ppm    | LT - mg/m <sup>3</sup>    | ST - ppm    | ST - mg/m <sup>3</sup>     |
|----------------------|-----|-------------|---------------------------|-------------|----------------------------|
| 1-METHOXY-2-PROPANOL | WEL | 100 ppm(Sk) | 375mg/m <sup>3</sup> (Sk) | 150 ppm(Sk) | 560 mg/m <sup>3</sup> (Sk) |
| CYCLOHEXANONE        | WEL | 10 ppm(Sk)  |                           | 20 ppm(Sk)  |                            |

PROTECTIVE EQUIPMENT



PROCESS CONDITIONS: Provide eyewash station.

ENGINEERING MEASURES: Provide adequate general and local exhaust ventilation.

HAND PROTECTION: Chemical resistant gloves required for prolonged or repeated contact.

EYE PROTECTION: Wear approved safety goggles.

OTHER PROTECTION: AVOID ALL SKIN AND RESPIRATORY CONTACT!

Wear appropriate clothing to prevent any possibility of skin contact.

HYGIENE MEASURES: 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

ODOUR Characteristic

## 10 STABILITY AND REACTIVITY

STABILITY: Stable under normal temperature conditions. Avoid: Contact with acids.

HAZARDOUS DECOMPOSITION PRODUCTS: Toxic gases/vapours/fumes of: Carbon dioxide (CO<sub>2</sub>). Carbon monoxide (CO).

## 11 TOXICOLOGICAL INFORMATION

INHALATION: Vapour may irritate respiratory system or 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.

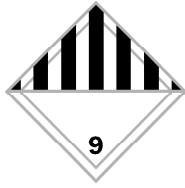
## 12 ECOLOGICAL INFORMATION

ECOTOXICITY: Unmixed resin is dangerous for the environment: May cause long-term adverse effects in the aquatic environment.

### 13 DISPOSAL CONSIDERATIONS

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. (Epoxy Resin Mixture) |
| UN NO. ROAD:      | 3082   |
| UK ROAD PACK GR:  | III  |
| ADR CLASS NO:     | 9  |
| ADR CLASS:        | Class 9: Miscellaneous dangerous substances and articles                       |
| ADR PACK GROUP    | III  |
| HAZARD No. (ADR): | 90   |
| ADR LABEL NO:     | 9  |
| HAZCHEM CODE:     | 2X   |
| CEPIC TEC(R) NO:  | 90GM6-III  |
| RID CLASS NO:     | 9  |
| RID PACK GROUP:   | III  |
| UN NO. SEA:       | 3082   |
| IMDG CLASS:       | 9  |
| IMDG PAGE NO:     | 9  |
| IMDG PACK GR:     | III  |
| EMS:              | F-A, S-F   |
| MFAG              | See Guide  |
| MARINE POLLUTANT  | No.  |
| UN NO. AIR:       | 3082   |
| AIR CLASS:        | 9  |
| AIR PACK GR:      | III  |

### 15 REGULATORY INFORMATION

#### LABELLING



Harmful



Dangerous for the environment

#### CONTAINS

EPOXY RESIN (Number average MW  $\leq$  700 )  
CRESYL GLYCIDYL ETHER

|                 |        |  |
|-----------------|--------|--|
| RISK PHRASES:   | R43    | May cause sensitisation by skin contact.   |
|                 | R36/38 | Irritating to eyes and skin.   |
|                 | R50/53 | Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |
|                 | R68    | Possible risk of irreversible effects.   |
| SAFETY PHRASES: | S25    | Avoid contact with eyes.   |
|                 | S26    | In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.    |
|                 | S36/37 | Wear suitable protective clothing and gloves.  |
|                 | 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.                       |

UK REGULATORY REFERENCES: Chemicals (Hazard Information & Packaging) Regulations.

APPROVED CODE OF PRACTICE: Safety Data Sheets for Substances and Preparations. Classification and Labelling of Substances and Preparations Dangerous for Supply.

## 16 OTHER INFORMATION

### RISK PHRASES IN FULL

|        |  |
|--------|--|
| R10    | Flammable.   |
| R15    | Contact with water liberates extremely flammable gases.  |
| R17    | Spontaneously flammable in air.  |
| R20    | Harmful by inhalation.   |
| R36/38 | Irritating to eyes and skin.   |
| R38    | Irritating to skin.  |
| R43    | May cause sensitisation by skin contact.   |
| R50/53 | Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |
| R51/53 | Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.      |
| R68    | Possible risk of irreversible effects.   |

**Uncured Resin:** All risk statements refer to unmixed resin product. Users should also check MSDS for hardener before mixing and be aware that, once resin and hardener are mixed and cured, product is inert.

**Cured product:** Solidified (cured) epoxy products are inert and relatively harmless, traces of residual components may be left on the surface. Abrading or sanding cured coatings will generate dust or particles that should not be inhaled or ingested, wet surfaces where possible before abrading. Provide ventilation, wear a suitable mask, gloves and cover exposed skin to prevent contact with the dust.

Revision Date: 10/2008 Replaces all versions

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