

# TS72 Part A Base

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Issued: 22/11/2017; Revision No.2  
Regulation (EU) 453/2010

## 1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

### 1.1 Product Identifier

Material name : TS72 Base  
Product code :

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

Product use : Component of epoxy coating

### 1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier: IMG Ltd.,  
Unit M  
Riverside Industrial Estate  
Fazeley  
Tamworth  
B78 3RW

Tel. : 01827 283322  
Fax. : 01827 250143

Email (for SDSs) : sales@img-limited.co.uk

1.4 Emergency tel. no. : 01827 283322 (Available from 8.30 – 17.00 hours).

## 2. HAZARDS IDENTIFICATION

### 1272/2008/EC: Classification, Labelling and Packaging of Substances and Mixtures (CLP) Regulation.

|                               |  |
|-------------------------------|--|
| Physical and Chemical Hazards | Not classified                                       |
| Human health                  | Sk.Irrit.2; H315; Sk.Sens.1; H317; Eye.Irrit.2; H319 |
| Environment                   | Aq.Chronic 2; H411                                   |

### 2.2 Label elements

Labelling according to EC Directives: 1272/2008/EC

**Signal word:** Warning    **Contains:** Epoxy polymer; Phenol-formaldehyde polymer; Alkyl Glycidyl Ether; 4-Morpholinecarboxaldehyde

#### Pictograms:



|                           |      |  |
|---------------------------|------|--|
| <b>Hazard statements:</b> | H315 | Causes skin irritation.                          |
|                           | H317 | May cause an allergic skin reaction.             |
|                           | H319 | Causes serious eye irritation.                   |
|                           | H411 | Toxic to aquatic life with long lasting effects. |

|                                  |              |  |
|----------------------------------|--------------|--|
| <b>Precautionary statements:</b> | P261         | Avoid breathing dust/fumes/gas/mist/vapours/spray  |
|                                  | P264         | Wash skin with soap and water thoroughly after handling.   |
|                                  | P280         | Wear protective gloves/protective clothing/eye protection/face protection.   |
|                                  | P302+352     | IF ON SKIN: Wash with plenty of water.   |
|                                  | P305+351+338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. |

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|  |                    |  |
|--|--------------------|--|
| <b>Supplemental label information:</b> | P501               | Dispose of contents/container in accordance with national regulations. |
|  | EUH205             | Contains epoxy constituents. May produce an allergic reaction.         |
| <b>2.3 Other hazards:</b>              | No data available. |  |

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2 Mixtures:

#### Hazardous components

| Chemical Name               | CAS No./<br>EC No./<br>Reg. No             | Classification (1272/2008/EC)  | Content |
|-----------------------------|--|--|---------|
| EPOXY POLYMER               | 25068-38-6<br>500-033-5                    | Skin Irrit. 2; H315<br>Skin Sens. 1; H317<br>Eye Irrit. 2; H319<br>Aquatic Chronic 2; H411 | 50-75%  |
| PHENOL-FORMALDEHYDE POLYMER | 9003-36-5<br>500-006-8                     | Skin Irrit. 2; H315<br>Skin Sens. 1; H317<br>Aquatic Chronic 2; H411                       | 25-50%  |
| ALKYL GLYCIDYL ETHER        | 68609-97-2<br>271-846-8                    | Skin Irrit. 2; H315<br>Skin Sens. 1; H317  | <10%    |
| 4-MORPHOLINECARBOXALDEHYDE  | 4394-85-8<br>224-518-3<br>01-2119987993-12 | Skin Sens. 1; H317   | <3%     |

See Section 16 for the full text of the H-statements noted above.

**(1272/2008/EC: Classification, Labelling and Packaging of Substances and Mixtures (CLP) Regulation).**

## 4. FIRST AID MEASURES

### 4.1 Description of first aid measures

**General advice:** Remove casualty from exposure ensuring one's own safety whilst doing so. Take off any contaminated clothing and shoes/boots immediately. Never give anything by mouth to an unconscious person.

**Skin contact:** Wash skin thoroughly with soap and warm water. Dry skin and apply replenishing cream. Seek medical advice if irritation develops.

**Eye contact:** Rinse with water for 15 minutes and seek medical advice if irritation persists.

**Ingestion:** Rinse mouth with water and give water to drink. Do not induce vomiting. Seek medical advice.

**Inhalation:** No undue effects in normal circumstances, if affected remove to fresh air and seek medical advice.

**4.2 Most important symptoms and effects, both acute and delayed:** May cause irritation to skin and eyes.

**4.3 Indication of any immediate medical attention and special treatment needed:** See skin and eye contact information above.

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## 5. FIRE-FIGHTING MEASURES

### 5.1 Extinguishing media

Suitable extinguishing media: Product is non-flammable; use appropriate extinguishing media for the surrounding area.

Unsuitable extinguishing media: Not applicable.

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

Specific hazards during fire-fighting: Irritating/toxic fumes may be released at elevated temperatures.

### 5.3 Advice for fire-fighters:

Special protective equipment: Wear self-contained breathing apparatus. Use personal protective equipment.

Further information: Standard procedure for chemical fires. Use water spray to cool unopened containers. Do not allow fire run-off to enter drains.

## 6. ACCIDENTAL RELEASE MEASURES

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

Evacuate personnel to safe areas. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Use personal protective equipment to deal with spillage.

### 6.2 Environmental precautions

Contain the spillage using sufficient appropriate absorbent material. Do not discharge into drains or rivers, but if contamination to waterways has occurred, inform local authorities.

### 6.3 Methods and materials for containment and cleaning up

Wipe up any liquid spillage with absorbent material such as sand, earth, or vermiculite, and place in a labelled container for disposal in accordance with local/national regulations.

### 6.4 References to other sections

See sections 8 and 13 for personal protection and disposal information.

## 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Avoid contact with skin and eyes. Handle with care.

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

Store in a cool, well ventilated area between 5°C and 25°C. Keep container tightly closed.

### 7.3 Specific end use(s)

No information available.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 Control parameters

No ingredients have been assigned a Workplace Exposure Limit.

### 8.2 Exposure controls

**Engineering measures:** Ensure there is sufficient ventilation of the area.

#### Personal protective equipment

**Respiratory protection:** Self contained breathing apparatus may be required if handling in a confined space with no ventilation.

**Hand protection:** Neoprene gloves; check with glove manufacturer for specific advice.

**Eye protection:** Tightly-fitting safety goggles.

**Skin and body protection:** Protective overalls.

**Hygiene measures:** Handle in accordance with good industrial hygiene and safety practices.

**Environmental exposure controls:** Do not discharge into drains or rivers.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

|   |                                |
|---|--------------------------------|
| <b>State and colour</b>                       | Coloured liquid                |
| <b>Odour</b>                                  | Characteristic                 |
| <b>Odour Threshold</b>                        | No data available              |
| <b>Flammability</b>                           | Non-flammable                  |
| <b>Flash point</b>                            | >93°C                          |
| <b>Lower explosion limit</b>                  | Not applicable                 |
| <b>Upper explosion limit</b>                  | Not applicable                 |
| <b>Explosive properties</b>                   | Not explosive                  |
| <b>Thermal decomposition</b>                  | No data available              |
| <b>Auto-ignition temperature</b>              | Not applicable                 |
| <b>Oxidising properties</b>                   | Non-oxidising                  |
| <b>Solubility in water</b>                    | Insoluble                      |
| <b>Solubility in other solvents</b>           | Not determined                 |
| <b>pH</b>                                     | Not applicable                 |
| <b>Melting point/range</b>                    | Not determined                 |
| <b>Boiling point/range</b>                    | Not determined                 |
| <b>Density</b>                                | 1.15                           |
| <b>Vapour pressure</b>                        | No data available              |
| <b>Vapour density</b>                         | No data available              |
| <b>Partition coefficient: n-octanol/water</b> | No data available              |
| <b>Viscosity (kinematic)</b>                  | >0.205 cm <sup>2</sup> /s@40°C |
| <b>Evaporation rate</b>                       | No data available              |

**9.2 Other information** No data available

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## 10. STABILITY AND REACTIVITY

- 10.1 Reactivity** Generally non-reactive.
- 10.2 Chemical stability** Stable under normal conditions.
- 10.3 Possibility of hazardous reactions** None if stored and used as directed.
- 10.4 Conditions to avoid** Prolonged heat.
- 10.5 Incompatible materials** Strong acids. Strong bases. Strong oxidising agents. Amines.
- 10.6 Hazardous decomposition products** Combustion will generate oxides of carbon, acrid smoke and irritating fumes.

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

#### Acute toxicity

| Chemical name        | Oral (LD50)       | Inhalation (LC50) | Dermal (LD50)     |
|----------------------|-------------------|-------------------|-------------------|
| Epoxy resin          | 11400 mg/kg (Rat) | No data available | No data available |
| Alkyl glycidyl ether | 17100 mg/kg (Rat) | No data available | No data available |

- Skin corrosion/irritation:** May cause skin irritation.
- Serious eye damage/eye irritation:** May cause eye irritation.
- Respiratory or skin sensitisation:** May cause skin sensitisation.
- Repeated dose toxicity:** No data available.
- Carcinogenicity:** Not carcinogenic.
- Mutagenicity:** Not mutagenic.
- Toxicity for reproduction:** Not expected to impair fertility.
- Specific target organ toxicity (STOT):** No data available.

#### Further information

The product as a whole is unlikely to cause any significant adverse effects, particularly when the advice in Sections 7 and 8 is followed.

## 12. ECOLOGICAL INFORMATION

- 12.1 Toxicity** No data available.
- 12.2 Persistence and degradability** Not readily biodegradable.
- 12.3 Bioaccumulative potential** No data available.
- 12.4 Mobility in soil** No data available.
- 12.5 Results of PBT and vPvB assessment** No data available.
- 12.6 Other adverse effects** Toxic to aquatic organisms.

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## 13. DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

Disposal operations: Dispose of in accordance with local and national regulations. Do not dispose of waste into sewer.  
Do not dispose of together with household waste. Contact licensed waste disposal company.  
Empty containers should be taken to an approved waste handling site for recycling or disposal.  
Do not burn or use a cutting torch on the empty container.

## 14. TRANSPORT INFORMATION

|  |   |  |
|--|---|--|
| <b>14.1 UN number</b>  | ADR/RID/ADN; IMDG; ICAO   | 3082   |
| <b>14.2 UN proper shipping name</b>  | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, n.o.s<br>(PHENOL-FORMALDEHYDE POLYMER) |  |
| <b>14.3 Transport hazard class(es)</b>   | ADR/RID/ADN Class   | 9  |
|  | ADR/RID/ADN Class   | Class 9  |
|  | ADR Label No.   | 9  |
|  | IMDG Class  | 9  |
|  | ICAO Class/Division   | 9  |
|  | ICAO Subsidiary risk  | 9  |
|  | Transport labels  |   |
| <b>14.4 Packing Group</b>  | ADR/RID/ADN; IMDG; ICAO   | III  |
| <b>14.5 Environment hazards</b>  | Marine Pollutant  | Yes  |
| <b>14.6 Special precautions for user</b>   | EMS   | F-A, S-F   |
| <b>14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b> |   | Not applicable.  |

## 15. REGULATORY INFORMATION

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

#### UK Regulatory References

The Control of Substances Hazardous to Health Regulations 2002 (S.I 2001 No.2677) with amendments.

#### EU Directives

Regulations (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. Regulation EU 453/2010 amending Regulation (EC) No 1907/2006.

#### Statutory Instruments

The Chemicals (Hazard information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

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## Guidance Notes

Health and Safety Executive Workplace Exposure Limits EH40.

## 15.2 Chemical Safety Assessment

A Chemical Safety Assessment has not been performed on this product.

## 16. OTHER INFORMATION

This safety data sheet is prepared in accordance with Regulation (EC) No 1907/2006 (REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals) as amended and Regulation EU 453/2010.

Tariff number: 39073000

### Full text of H-statements referred to under sections 2 and 3

|      |  |
|------|--|
| H315 | Causes skin irritation.                          |
| H317 | May cause an allergic skin reaction.             |
| H319 | Causes serious eye irritation.                   |
| H411 | Toxic to aquatic life with long lasting effects. |

### Abbreviations and acronyms

CAS: Chemical Abstract Service (division of the American Chemical Society). {Section 3}.  
STOT: Single Target Organ Toxicity (Section 11).  
TWA: Time-weighted average. (Section 8).  
STEL: Short-term exposure limit. (Section 8).  
PBT: Persistent, Bioaccumulative, Toxic. (Section 12).  
vPvB: very Persistent and very Bioaccumulative. (Section 12).  
EC50: Effective Concentration, 50 percent. (Section 12).  
LC50: Lethal Concentration, 50 percent. (Section 11/12).  
LD50: Lethal Dose, 50 percent. (Section 11).

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

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