

**1. PRODUCT AND COMPANY IDENTIFICATION**

| | |
|------------------------------|--|
| Product Code | ICSW500A |
| Product Name | Icosit SW 500, Part A |
| Product Description | 2-component epoxy resin based coating. |
| Manufacturer/Supplier | Sika Limited Watchmead Welwyn Garden City Hertfordshire. AL7 1BQ tel. 01707 394444 Fax. 01707 329129 |

2. COMPOSITION/INFORMATION ON THE COMPONENTS**Preparation - Hazardous ingredients (Europe)**

| Component | CAS/EINECS | Concentration | Classification | Risk Phrases |
|-------------------------------------|-------------------|----------------------|-----------------------|---------------------|
| Epoxy resin (No.Av. mol.wt. < 700) | 25068-38-6 | 25.00% - 50.00% | Xi, N | R36/38, R43, R51/53 |
| 1,6-bis(2,3-epoxypropoxy)hexane | 16096-31-4 | 2.50% - 10.00% | Xi, N | R36/38, R43, R51/53 |

3. HAZARD IDENTIFICATION

| | |
|---------------------|---|
| Main Hazards | Irritating to eyes and skin. May cause sensitisation by skin contact. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |
|---------------------|---|

4. FIRST AID MEASURES

| | |
|---------------------|--|
| Eye Contact | Immediately flood the eye with plenty of water for at least 15 minutes, holding the eye open. Obtain medical attention urgently. |
| Skin Contact | Wipe off as much as possible with a clean dry cloth. If material proves difficult to remove, use suitable skin cleanser (not solvent). Wash skin thoroughly with soap and water. Solvents should not be used to clean skin because they may increase the penetration of the material. Contaminated clothing should be washed or dry-cleaned before re-use. |
| Ingestion | Wash out mouth with water. Obtain medical attention. |
| Inhalation | Remove from exposure. In cases of possible respiratory irritation or if feeling unwell in cases of prolonged exposure, obtain medical attention. |

5. FIRE FIGHTING MEASURES

| | |
|---|---|
| Extinguishing Media | Not readily combustible. Use foam, dry chemical or carbon dioxide. |
| Extinguishing Media - Not suitable | Do not use water jet. |
| Special Hazards of Product | Combustion will produce smoke, carbon dioxide and carbon monoxide. |
| Protective Equipment for Fire-Fighting | Wear full protective clothing and self-contained breathing apparatus. |

**6. ACCIDENTAL RELEASE MEASURES**

| | |
|---|--|
| <i>Personal Precautions</i> | Wear appropriate protective clothing. |
| <i>Environmental Precautions and Clean-up Methods</i> | Try to prevent the material from entering drains or water courses. |
| <i>Spillages</i> | Contain and absorb using earth, sand or other inert material. Transfer into suitable containers for recovery or disposal. |

7. HANDLING AND STORAGE

| | |
|-----------------|---|
| <i>Handling</i> | Exposure by inhalation or skin contact should be minimised by good Industrial Hygiene practices. Avoid contact with eyes, skin and clothing. Use in well ventilated area. |
| <i>Storage</i> | Storage area should be: cool, dry. Storage temperature should be controlled to between 5 and 25 °C. Store in the original container securely closed. Keep away from foodstuffs |

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

| | |
|-------------------------------------|--|
| <i>Engineering Control Measures</i> | Use of the basic principles of Industrial Hygiene will enable this material to be used safely. |
| <i>Respiratory Protection</i> | Respiratory protection not normally required. |
| <i>Hand Protection</i> | Wear suitable impervious gloves. The insides of gloves must be kept scrupulously clean. |
| <i>Eye Protection</i> | Chemical goggles. |

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|-----------------------------------|------------------------|
| <i>Physical State</i> | Viscous liquid |
| <i>Color</i> | Various |
| <i>Odor</i> | Characteristic. |
| <i>Flash Point °C</i> | > 101 |
| <i>Solubility - Water</i> | Immiscible. |
| <i>Density (kg/m³)</i> | Approx. 1700 at 20 °C. |
| <i>Viscosity (at 20°C)</i> | 14000 - 18000 mPas |

10. STABILITY AND REACTIVITY

| | |
|---|---|
| <i>Stability</i> | Stable under normal conditions. |
| <i>Conditions to avoid</i> | Extremes of temperature. |
| <i>Hazardous Decomposition Products</i> | Combustion will generate: oxides of carbon, acrid smoke and irritating fumes. |

11. TOXICOLOGICAL INFORMATION

| | |
|-----------------------------|---|
| <i>Acute toxicity</i> | Low order of acute toxicity. |
| <i>Eye irritation</i> | Irritating to the eyes. |
| <i>Skin irritation</i> | Frequent or prolonged skin contact may cause some local short term skin irritation. |
| <i>Sensitization - Skin</i> | The low molecular weight epoxy resin is a potential skin sensitiser. |



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12. ECOLOGICAL INFORMATION

| | |
|----------------------------------|--|
| <i>Mobility</i> | The product is insoluble in water. |
| <i>Persistence/degradability</i> | The product is expected to be not readily biodegradable. |
| <i>Ecotoxicity</i> | This material is harmful to aquatic organisms. |

13. DISPOSAL

| | |
|---------------------------|---|
| <i>Product Disposal</i> | Dispose of as Special Waste. Arrange for disposal via a licensed waste contractor. |
| <i>Container Disposal</i> | Dispose of containers with care. Empty containers may contain hazardous residues. Empty packaging should be removed by a licensed waste contractor. |

14. TRANSPORT INFORMATION

| | |
|---|---|
| <i>UN : UN number</i> | 3082 |
| <i>UN : Class</i> | 9 |
| <i>ADR/RID : Number</i> | 3082 |
| <i>ADR/RID : Proper shipping name</i> | Environmentally hazardous substance, liquid, n.o.s. contains Epoxy resin |
| <i>ADR/RID : Class</i> | |
| <i>ADR/RID : Item Number</i> | 11°(c) Class M 6 |
| <i>ADR/RID : Hazard Identification Number</i> | 90 |
| <i>IMDG : Proper shipping name</i> | Environmentally hazardous substance, liquid, n.o.s. contains Epoxy Resin |
| <i>IMDG : Packing Group</i> | 3 |
| <i>IMDG : Class</i> | 9 |
| <i>IATA : Proper shipping name</i> | Environmentally hazardous substance, liquid, n.o.s. contains Epoxy resin |
| <i>IATA : Packing Group</i> | 3 |
| <i>IATA : Class</i> | 9 |

15. REGULATORY INFORMATION

Label Requirements Irritant, Dangerous for the environment



Risk Phrases Irritating to eyes and skin.
May cause sensitisation by skin contact.
Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety Phrases Avoid contact with skin.
Wear suitable gloves.
Do not breathe gas/fumes/vapor/spray
In case of insufficient ventilation, wear suitable respiratory equipment.

Contains epoxy constituents. See information supplied by the manufacturer.



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16. OTHER INFORMATION

| | |
|---------------------------------|--|
| <i>First Issue Date</i> | 26.09.2003 |
| <i>Revisions Highlighted</i> | Future revisions will incorporate such information as is required but which is not available at this time. |
| <i>Uses and Restrictions</i> | Customers are urged to ensure that the product is entirely suitable for their own purpose. It is the customer's responsibility to ensure that a suitable and sufficient assessment of the risks created by the use of the product is undertaken. |
| <i>UK Legislation</i> | Health and Safety at Work etc Act, 1974, and relevant Statutory Provisions. SI 2002/1689: Chemicals (Hazard Information and Packaging) Regulations SI 2002/2677: The Control of Substances Hazardous to Health Regulations SI No 2839 1991 Environmental Protection (Duty of Care) Regulations. |
| <i>UK Guidance Publications</i> | SI No. 972/1996: The Special Waste Regulations 1996 Approved Code of Practice - Management of Health and Safety at Work, HSE. General Approved Code of Practice to COSHH Regulations, HSE. |
| <i>Footnote</i> | The information contained in this SDS corresponds to our level of knowledge at the time of publication. All warranties are excluded. Our most current General Sales Conditions shall apply. Please consult the Technical Data Sheet prior to use. |

**1. PRODUCT AND COMPANY IDENTIFICATION**

Product Code ICSW500B
Product Name Icosit SW 500 Part B
Product Description 2-component epoxy resin based coating
Manufacturer/Supplier Sika Limited
Watchmead
Welwyn Garden City
Hertfordshire.
AL7 1BQ
tel. 01707 394444
Fax. 01707 329129

2. COMPOSITION/INFORMATION ON THE COMPONENTS**Preparation - Hazardous ingredients (Europe)**

| Component | CAS/EINECS | Concentration | Classification | Risk Phrases |
|-----------------------------|-------------|-----------------|----------------|--------------------------|
| 2-methylpentane-1,5-diamine | 1550-10-2 | 2.50% - 10.00% | C | R20/22, R34, R52 |
| M-phenylebis(methylamine) | 1477-55-0 | 10.00% - 25.00% | C | R20/22, R34, R43, R52/53 |
| 4-tert-butylphenol | 98-54-4 | 10.00% - 25.00% | Xn | R36/37/38, R42/43 |
| Mannich Base | 223131-74-6 | 10.00% - 25.00% | C | R21/22, R34, R43, R53 |
| Polyoxypropylenediamine | 9046-10-0 | 25.00% - 50.00% | C | R21/22, R34, R52/53 |

3. HAZARD IDENTIFICATION

Main Hazards Causes burns.
Harmful in contact with skin and if swallowed.
Irritating to respiratory system.
May cause sensitization by skin contact.
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

4. FIRST AID MEASURES

Eye Contact Immediately flood the eye with plenty of water for at least 15 minutes, holding the eye open.
Eyelids should be held away from the eyeball to ensure thorough rinsing.
Obtain medical attention urgently.

Skin Contact Wipe off as much as possible with a clean dry cloth.
If material proves difficult to remove, use suitable skin cleanser (not solvent).
Solvents should not be used to clean skin because they may increase the penetration of the material.
Contaminated clothing should be washed or dry-cleaned before re-use.

Ingestion Do not induce vomiting.
Obtain medical attention urgently.

Inhalation Remove from exposure. In cases of possible respiratory irritation or if feeling unwell in cases of prolonged exposure, obtain medical attention.

**5. FIRE FIGHTING MEASURES**

| | |
|---|--|
| <i>Extinguishing Media</i> | Not readily combustible. Use foam, dry chemical or carbon dioxide. |
| <i>Extinguishing Media - Not suitable</i> | Do not use water jet. |
| <i>Special Hazards of Product</i> | Thermal decomposition or burning may release oxides of carbon, nitrogen and other toxic gases and vapours. |
| <i>Protective Equipment for Fire-Fighting</i> | Wear full protective clothing and self-contained breathing apparatus. |

6. ACCIDENTAL RELEASE MEASURES

| | |
|---|---|
| <i>Personal Precautions</i> | Wear appropriate protective clothing. |
| <i>Environmental Precautions and Clean-up Methods</i> | Try to prevent the material from entering drains or water courses. |
| <i>Spillages</i> | Contain and absorb using earth, sand or other inert material. Transfer into suitable containers for recovery or disposal. |

7. HANDLING AND STORAGE

| | |
|-----------------|---|
| <i>Handling</i> | Exposure by inhalation or skin contact should be minimised by good Industrial Hygiene practices. Avoid contact with eyes, skin and clothing. Mix in a well ventilated area. |
| <i>Storage</i> | Storage area should be: cool. dry. Storage temperature should be controlled to between 5 and 25 °C. Store in the original container securely closed . Keep away from foodstuffs |

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

| | |
|-------------------------------------|--|
| <i>Engineering Control Measures</i> | Use of the basic principles of Industrial Hygiene will enable this material to be used safely. |
| <i>Respiratory Protection</i> | Respiratory protection not normally required. |
| <i>Hand Protection</i> | Wear suitable impervious gloves. The insides of gloves must be kept scrupulously clean. |
| <i>Eye Protection</i> | Chemical goggles. |

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|-----------------------------------|----------------------------------|
| <i>Physical State</i> | Liquid. |
| <i>Color</i> | Yellowish. |
| <i>Odor</i> | Ammoniacal. |
| <i>pH</i> | Approx. 11 at 50 % w/w in water. |
| <i>Flash Point °C</i> | Exceeds 100. |
| <i>Solubility - Water</i> | Partly miscible |
| <i>Density (kg/m³)</i> | Approx. 1010 at 20 °C. |
| <i>Viscosity (at 20°C)</i> | Mobile liquid. |



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10. STABILITY AND REACTIVITY

| | |
|---|--|
| <i>Stability</i> | Stable under normal conditions. |
| <i>Conditions to avoid</i> | Extremes of temperature. |
| <i>Hazardous Decomposition Products</i> | Heating may produce: oxides of carbon. oxides of nitrogen. acrid smoke and irritating fumes. |

11. TOXICOLOGICAL INFORMATION

| | |
|-----------------------------|---|
| <i>Eye irritation</i> | This material is corrosive to the eye. |
| <i>Skin irritation</i> | This material is corrosive to the skin. |
| <i>Sensitization - Skin</i> | The possibility of allergic sensitisation should be considered. |

12. ECOLOGICAL INFORMATION

| | |
|----------------------------------|--|
| <i>Mobility</i> | Insoluble in water. |
| <i>Persistence/degradability</i> | The product is expected to be partially or slowly biodegradable. |
| <i>Ecotoxicity</i> | This material is harmful to aquatic organisms. |

13. DISPOSAL

| | |
|---------------------------|---|
| <i>Product Disposal</i> | Dispose of as Special Waste. Arrange for disposal via a licensed waste contractor. |
| <i>Container Disposal</i> | Dispose of containers with care. Empty containers may contain hazardous residues. Empty packaging should be removed by a licensed waste contractor. |

14. TRANSPORT INFORMATION

| | | |
|------------------|-----------------------------|---|
| <i>UN :</i> | <i>UN number</i> | 1760 |
| <i>UN :</i> | <i>Proper shipping name</i> | Corrosive liquid, n.o.s. |
| <i>UN :</i> | <i>Class</i> | 8 |
| <i>UN :</i> | <i>Packing Group</i> | 2 |
| <i>ADR/RID :</i> | <i>Number</i> | 1760 |
| <i>ADR/RID :</i> | <i>Proper shipping name</i> | Corrosive Liquid N.O.S. contains o-tert-Butylphenol/Xylylenediamine |
| <i>ADR/RID :</i> | <i>Class</i> | |
| <i>ADR/RID :</i> | <i>Item Number</i> | 66(b) Class C9 |
| <i>IMDG :</i> | <i>Proper shipping name</i> | Corrosive liquid, N.O.S. contains o-tert-Butylphenol/Xylylenediamine |
| <i>IMDG :</i> | <i>Packing Group</i> | 2 |
| <i>IMDG :</i> | <i>Class</i> | 8 |
| <i>IMDG :</i> | <i>Marine Pollutant</i> | P |
| <i>IMDG :</i> | <i>Ems Number</i> | 8-15 |
| <i>IMDG :</i> | <i>MFAG Number</i> | 760 |
| <i>IATA :</i> | <i>Proper shipping name</i> | Corrosive liquid, N.O.S. contains o-tert-Butylphenol/Xylylenediamine |
| <i>IATA :</i> | <i>Packing Group</i> | 2 |
| <i>IATA :</i> | <i>Class</i> | 8 |



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15. REGULATORY INFORMATION

Label Requirements

Corrosive



Risk Phrases

Causes burns.
Harmful in contact with skin and if swallowed.
Irritating to respiratory system.
May cause sensitization by skin contact.
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety Phrases

Avoid contact with skin.
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Wear suitable protective clothing, gloves and eye/face protection.
After contact with skin, wash immediately with plenty of soap and water.
In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
Use only in well ventilated areas.

Contains

M-phenylebis(methylamine)
Mannich base
Polyoxypropylenediamine

16. OTHER INFORMATION

First Issue Date

26.09.2003

Revisions Highlighted

Future revisions will incorporate such information as is required but which is not available at this time.

Uses and Restrictions

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UK Legislation

Health and Safety at Work etc Act, 1974, and relevant Statutory Provisions.
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SI 2002/2677: The Control of Substances Hazardous to Health Regulations
SI No 2839 1991 Environmental Protection (Duty of Care) Regulations.
SI No. 972/1996: The Special Waste Regulations 1996

UK Guidance Publications

Approved Code of Practice - Management of Health and Safety at Work, HSE.
General Approved Code of Practice to COSHH Regulations, HSE.

Footnote

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