1. PRODUCT AND COMPANY IDENTIFICATION

Product Code ICEG1A

Product Name Icosit EG1 Part A

Product Description 2-component primer/undercoat based on micaceous iron oxide/epoxy resin combination.

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: Bisph.Type A (No. Av. Mol wt 700-1100)	2506-38-6	10.00% - 25.00%	Xi	R36/38, R43
Xylene	1330-20-7	10.00% - 25.00%	Xn	R10, R20/21, R38
Ethyl benzene	100-41-4	2.50% - 10.00%	F, Xn	R11, R20
2-Methylpropan-1-ol	78-83-1	2.50% - 10.00%	Xi	R10, R37/38, R41, R67
Naphtha (Petroleum)Hydrosulphurised Heavy	64742-82-1	0.10% - 1.00%	Xn, N	R10, R51/53, R65, R66, R67

3. HAZARD IDENTIFICATION

Main Hazards Flammable.
Harmful by inhalation and in contact with skin.
Irritating to eyes and skin.
May cause sensitization by skin contact.

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 Wash skin thoroughly with soap and water.
If material proves difficult to remove, use suitable skin cleanser (not solvent).
Contaminated clothing should be washed or dry-cleaned before re-use.
Solvents should not be used to clean skin because they may increase the penetration of the material.

Ingestion Do not induce vomiting.
Obtain medical attention.

Inhalation Remove from exposure. Obtain medical attention.

5. FIRE FIGHTING MEASURES

Extinguishing Media	Use foam, dry chemical or carbon dioxide. Dry sand may be used on small fires.
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

Personal Precautions	Wear appropriate protective clothing. Eliminate all sources of ignition. Ventilate area to dispel any residual vapours.
Environmental Precautions and Clean-up Methods	Try to prevent the material from entering drains or water courses.
Spillages	Contain and absorb using earth, sand or other inert material. Transfer into suitable containers for recovery or disposal.

7. HANDLING AND STORAGE

Handling	Exposure by inhalation or skin contact should be minimised by good Industrial Hygenie practices. Use in well ventilated area. Avoid inhaling vapour. Avoid contact with eyes, skin and clothing.
Storage	Storage area should be: cool. dry. well ventilated. out of direct sunlight. Store away from sources of heat or ignition.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits - GB

Xylene	UK EH40: OES 50ppm (220mg/m3) 8h TWA. UK EH40: OES 100ppm (441mg/m3) 15min STEL
Ethyl benzene	UK EH40: OES 100ppm (441mg/m3) 8h TWA. UK EH40: OES 125ppm (552mg/m3) 15min STEL
2-Methylpropan-1-ol	UK EH40: OES 50ppm (154mg/m3) 8h TWA. UK EH40: OES 75ppm (231mg/m3) 15min STEL

Engineering Control Measures	Use of the basic principles of Industrial Hygiene will enable this material to be used safely.
Respiratory Protection	Adequate ventilation should be provided to maintain solvent concentrations in the workplace below exposure limits. Respiratory protection if there is a risk of exposure to high vapour concentrations.
Hand Protection	Wear suitable impervious gloves. The insides of gloves must be kept scrupulously clean.
Eye Protection	Chemical goggles.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid.
Color	Various
Odor	Aromatic.
Flash Point °C	23
Solubility - Water	Immiscible.
Vapor Pressure (kPa)	Not determined.

Density (kg/m3)	1760 at 20 °C.
Viscosity (at 20°C)	2500 at 20 °C. (measured as mPa.s)

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions. Contains volatile solvent.
Conditions to avoid	Sources of ignition.
Hazardous Decomposition Products	Combustion will generate: oxides of carbon. acrid smoke and irritating fumes.

11. TOXICOLOGICAL INFORMATION

Acute toxicity	Low order of acute toxicity. Excessive exposure may produce anaesthetic or narcotic effects.
Eye irritation	Liquid and vapour can cause irritation on contact and at high concentrations.
Skin irritation	Harmful by absorption through the skin. Frequent skin contact may cause irritation and defatting due to the solvent content.
Sensitization - Skin	The possibility of allergic sensitisation should be considered.

12. ECOLOGICAL INFORMATION

Mobility	The product is insoluble in water.
Persistence/degradability	The product is expected to be not readily biodegradable.
Ecotoxicity	The product may be harmful to aquatic organisms.

13. DISPOSAL

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

14. TRANSPORT INFORMATION

UN : UN number	1263
UN : Proper shipping name	Paint
UN : Class	3.3
UN : Packing Group	3
ADR/RID : Number	1263
ADR/RID : Proper shipping name	Paints - flash point between 21°C and 55°C.
ADR/RID : Class	3
ADR/RID : Item Number	31 (c)
ADR/RID : Hazard Identification Number	30
IMDG : Proper shipping name	Paint.
IMDG : Packing Group	3
IMDG : Class	3.3
IMDG : Ems Number	3-05
IATA : Proper shipping name	Paint.

IATA :	***Packing Group***	3
IATA :	***Class***	3

15. REGULATORY INFORMATION

Label Requirements

Harmful

Risk Phrases

Flammable.
Irritating to eyes and skin.
Harmful by inhalation and in contact with skin.
May cause sensitization by skin contact.

Safety Phrases

Do not breathe gas/fumes/vapor/spray
Avoid contact with skin.
Wear suitable protective clothing and gloves.
In case of insufficient ventilation, wear suitable respiratory equipment.
Use only in well-ventilated areas.

Contains epoxy constituents. See information supplied by the manufacturer.

16. OTHER INFORMATION

First Issue Date

04.10.1995

Revisions Highlighted

Composition and Information on Ingredients
Hazards Identification
Labelling Information

Uses and Restrictions

Customers are urged to ensure that the product is entirely suitable for their own purpose.It is the customer`s responsibilty to ensure that a suitable and sufficient assessment of the risks created by the use of the product is undertaken.

UK Legislation

Health and Safety at Work etc Act, 1974, and relevant Statutory Provisions.
SI 2002/1689: The Control of Substances Hazardous to Health Regulations
SI 1993/1746: Chemicals (Hazard Information and Packaging) Regulations, 1993.
SI No 2839 1991 Environmental Protection (Duty of Care) Regulations.
SI No. 972/1996: The Special Waste Regulations 1996

UK Guidance Publications

General Approved Code of Practice to COSHH Regulations, HSE.
EH40, Occupational Exposure Limits, HSE. Revised Annually.
HS(G) 53, Respiratory Protective Equipment - a Practical Guide for Users, HSE.

Footnote

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	ICEG1B
Product Name	Icosit EG1 Part B
Product Description	2-component primer/undercoat based on micaceous iron oxide/epoxy resin combination.
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
Polyaminoamide	68082-29-1	25.00% - 50.00%	Xi	R36/38, R43
Nonyl Phenol	25154-52-3	25.00% - 50.00%	C, N	R22, R34, R50/53
Xylene	1330-20-7	10.00% - 25.00%	Xn	R10, R20/21, R38
Ethyl benzene	100-41-4	2.50% - 10.00%	F, Xn	R11, R20
2,4,6-Tri(dimethylaminomethyl) phenol	90-72-2	1.00% - 2.50%	Xn	R22, R36/38

3. HAZARD IDENTIFICATION

Main Hazards

Flammable
Harmful by inhalation, in contact with skin and if swallowed.
Causes burns.
May cause sensitization by skin contact.
Very 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

Wash skin thoroughly with soap and water. If material proves difficult to remove, use suitable skin cleanser (not solvent).
Obtain medical attention if blistering occurs or redness persists.
Contaminated clothing should be washed or dry-cleaned before re-use.

Ingestion

Do not induce vomiting.
Obtain medical attention.

Inhalation

Remove from exposure. Obtain medical attention.

5. FIRE FIGHTING MEASURES

Extinguishing Media

Use foam, dry chemical or carbon dioxide.
Dry sand may be used on small fires.

Extinguishing Media - Not suitable

Do not use water jet.

Special Hazards of Product

Thermal decomposition or burning may release oxides of carbon, nitrogen and other toxic gases and vapours.

Protective Equipment for Fire-Fighting

Wear full protective clothing and self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Wear appropriate protective clothing. Eliminate all sources of ignition. Ventilate area to dispel any residual vapours.
Environmental Precautions and Clean-up Methods	Try to prevent the material from entering drains or water courses.
Spillages	Contain and absorb using earth, sand or other inert material. Transfer into suitable containers for recovery or disposal.

7. HANDLING AND STORAGE

Handling	Exposure by inhalation or skin contact should be minimised by good Industrial Hygenie practices. Use in well ventilated area. Avoid inhaling vapour. Avoid contact with eyes, skin and clothing.
Storage	Storage area should be: cool. dry. well ventilated. out of direct sunlight. Store away from sources of heat or ignition.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits - GB	
Xylene	UK EH40: OES 50 ppm (220 mg/m3) 8h TWA. UK EH40: OES 100ppm (441mg/m3) 15min STEL
Ethyl benzene	UK EH40: OES 100ppm (441mg/m3) 8h TWA. UK EH40: OES 125ppm (552mg/m3) 15min STEL

Engineering Control Measures	Use of the basic principles of Industrial Hygiene will enable this material to be used safely.
Respiratory Protection	Adequate ventilation should be provided to maintain solvent concentrations in the workplace below exposure limits. Respiratory protection if there is a risk of exposure to high vapour concentrations.
Hand Protection	Wear suitable impervious gloves.
Eye Protection	Chemical goggles.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid.
Color	Yellow.
Odor	Ammoniacal.
pH	Approx. 11 at 50% w/w in water.
Flash Point °C	Approx. 32
Solubility - Water	Partly miscible
Density (kg/m3)	Approx. 940 at 20 °C.
Viscosity (at 20°C)	Approx. 2000 at 20 °C. (measured as mPa.s)

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions. Contains volatile solvent.
Conditions to avoid	Sources of ignition.
Hazardous Decomposition Products	Combustion will generate: oxides of carbon. oxides of nitrogen. acrid smoke and irritating fumes.

11. TOXICOLOGICAL INFORMATION

Acute toxicity	Low order of acute toxicity. Excessive exposure may produce anaesthetic or narcotic effects.
Eye irritation	This material is corrosive to the eye. Liquid and vapour can cause irritation on contact and at high concentrations.
Skin irritation	This material is corrosive to the skin. Frequent skin contact may cause irritation and defatting due to the solvent content.

12. ECOLOGICAL INFORMATION

Mobility	A major part of the product will dissolve slowly in water.
Persistence/degradability	The product is expected to be not readily biodegradable.
Ecotoxicity	This material is harmful to aquatic organisms.

13. DISPOSAL

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

14. TRANSPORT INFORMATION

UN :	***UN number***	2920
UN :	***Class***	8
UN :	***Packing Group***	2
ADR/RID :	***Number***	2920
ADR/RID :	***Proper shipping name***	Corrosive liquid, flammable n.o.s. contains Nonyl Phenol / Xylenes
ADR/RID :	***Class***	8
ADR/RID :	***Item Number***	68 (b) Class CF1
ADR/RID :	***Hazard Identification Number***	883
IMDG :	***Proper shipping name***	Corrosive liquid, flammable, N.O.S. Nonyl Phenol / Xylenes
IMDG :	***Packing Group***	2
IMDG :	***Class***	8
IMDG :	***Marine Pollutant***	P
IMDG :	***Ems Number***	F-E, S-C
IATA :	***Proper shipping name***	Corrosive liquid, flammable, N.O.S.
IATA :	***Packing Group***	2

IATA : Class	8

15. REGULATORY INFORMATION

Label Requirements	Corrosive, Dangerous for the environment 
Risk Phrases	Flammable. Causes burns. Harmful by inhalation, in contact with skin and if swallowed. May cause sensitization by skin contact. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Safety Phrases	Avoid contact with skin. Do not breathe gas/fumes/vapor/spray In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing and eye/face protection. In case of insufficient ventilation, wear suitable respiratory equipment. 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	Polyaminoamide xylene Nonylphenol

16. OTHER INFORMATION

First Issue Date	04.10.1995
Revisions Highlighted	Main Hazards Regulatory Information
Uses and Restrictions	Customers are urged to ensure that the product is entirely suitable for their own purpose.It is the customer`s responsibilty to ensure that a suitable and sufficient assessment of the risks created by the use of the product is undertaken.
UK Legislation	Health and Safety at Work etc Act, 1974, and relevant Statutory Provisions. SI 2002/2677: The Control of Substances Hazardous to Health Regulations SI 2002/1689: Chemicals (Hazard Information and Packaging) Regulations, SI No 2839 1991 Environmental Protection (Duty of Care) Regulations. SI No. 972/1996: The Special Waste Regulations 1996
UK Guidance Publications	EH40, Occupational Exposure Limits, HSE. Revised Annually. General Approved Code of Practice to COSHH Regulations, HSE. HS(G) 53, Respiratory Protective Equipment - a Practical Guide for Users, HSE. Guide to Highly Flammable Liquids & LPG Regulations - H&SE.
Footnote	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.