

**1. PRODUCT AND COMPANY IDENTIFICATION**

Product Code	ICPXCA
Product Name	Icosit Poxicolor Part A
Product Description	Two component, low solvent, protective coating for steel/galvanised surfaces based on epoxy resin.
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	2.50% - 10.00%	Xi, N	R36/38, R43, R51/53
Xylene	1330-20-7	2.50% 10.00%	Xn	R10, R20/21, R38
Ethyl benzene	100-41-4	2.50% - 10.00%	F, Xn	R11, R20
Aliphatic glycidyl ether	68609-97-2	1.00% - 2.50%	Xi, N	R38, R43, R51/53
Solvent Naptha (Petroleum), Light Aromatic.	64742-95-6	0.10% - 1.00%	Xn, N	R10, R37, R51/53, R65, R66, R67

3. HAZARD IDENTIFICATION

Main Hazards	Flammable. Irritating to eyes and skin. May cause sensitisation by skin contact. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
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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. 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	Combustion will produce smoke, carbon dioxide and carbon monoxide.
Protective Equipment for Fire-Fighting	Wear full protective clothing and self-contained breathing apparatus.



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6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Wear appropriate protective clothing. Eliminate all sources of ignition.

Environmental Precautions and Clean-up

Ventilate area to dispel any residual vapours.

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 Hygiene practices.

Use in well ventilated area. Avoid inhaling vapour.

Storage

Avoid contact with eyes, skin and clothing.

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

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. (butyl/ nitrile type)

Eye Protection

Chemical goggles.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State

Viscous liquid.

Color

Various

Odor

Solvent

Flash Point °C

Approx. 25

Solubility - Water

Immiscible.

Density (kg/m³)

1700 at 20 °C.

Viscosity (at 20°C)

Mobile liquid.

10. STABILITY AND REACTIVITY

Stability

Stable under normal conditions.

Contains volatile solvent.

Hazardous Decomposition Products

Combustion will generate: oxides of carbon. acrid smoke and irritating fumes.



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11. TOXICOLOGICAL INFORMATION

<i>Acute toxicity</i>	Low order of acute toxicity.
<i>Eye irritation</i>	Excessive exposure may produce anaesthetic or narcotic effects. Liquid and vapour can cause irritation on contact and at high concentrations.
<i>Skin irritation</i>	Frequent skin contact may cause irritation and defatting due to the solvent content.
<i>Sensitization - Skin</i>	The low molecular weight epoxy resin is a potential skin sensitiser.

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>	1263
<i>UN : Proper shipping name</i>	Paint
<i>UN : Class</i>	3.3
<i>UN : Packing Group</i>	3
<i>ADR/RID : Number</i>	1263
<i>ADR/RID : Proper shipping name</i>	Paints - flash point between 21°C and 55°C.
<i>ADR/RID : Class</i>	3
<i>ADR/RID : Item Number</i>	31(c) Class F1
<i>ADR/RID : Hazard Identification Number</i>	30
<i>IMDG : Proper shipping name</i>	Paint.
<i>IMDG : Packing Group</i>	3
<i>IMDG : Class</i>	3.3
<i>IATA : Proper shipping name</i>	Paint.
<i>IATA : Packing Group</i>	3
<i>IATA : Class</i>	3

15. REGULATORY INFORMATION

<i>Label Requirements</i>	Irritant
	
<i>Risk Phrases</i>	Flammable. Irritating to eyes and skin. May cause sensitisation by skin contact. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.



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Safety Phrases

Do not breathe gas/fumes/vapor/spray
Avoid contact with skin.
Wear suitable 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 / information on ingredients

Uses and Restrictions

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.

UK Legislation

Health and Safety at Work etc Act, 1974, and relevant Statutory Provisions.
SI 1999/437: The Control of Substances Hazardous to Health Regulations
SI 2002/1689: Chemicals (Hazard Information and Packaging) Regulations, 2002.
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	ICPXCB
Product Name	Icosit Poxicolor Part B
Product Description	Two component, low solvent, protective coating for steel/galvanised surfaces based on epoxy resin.
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		25.00%-50.00%	Xi	R41
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
Solvent Naptha (Petroleum), Light Aromatic.	64742-95-6	2.50% - 10.00%	Xn, N	R10, R37, R51/53, R65, R66, R67
4,4'-methylenebis(cyclohexylamine)	1761-71-3	2.50% - 10.00%	C	R22, R35, R43, R37

3. HAZARD IDENTIFICATION

Main Hazards	Flammable. Causes burns. Harmful by inhalation, in contact with skin and if swallowed. May cause sensitisation by skin contact. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
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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. 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. Have victim drink 240-300ml of water. If vomiting occurs naturally, rinse mouth and repeat administration of water. Obtain medical attention.
Inhalation	Remove from exposure. Obtain medical attention.



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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.
Environmental Precautions and Clean-up Methods	Ventilate area to dispel any residual vapours. 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 Hygiene practices. Use in well ventilated area. Avoid inhaling vapour.
Storage	Avoid contact with eyes, skin and clothing. 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

Ethyl benzene	UK EH40: OES 100ppm (441mg/M3) 8 hr. TWA
	UK EH40: OES 125ppm (552mg/M3) 15 Min STEL
Xylene	UK EH40: OES 100ppm (441mg/m3) 8h TWA.
	UK EH40: OES 150ppm (662mg/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. 23
Solubility - Water	Partially soluble.
Density (kg/m3)	Approx. 930 at 20 °C.



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Viscosity (at 20°C)

Mobile liquid at ambient temperatures.

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. acid smoke and irritating fumes.

11. TOXICOLOGICAL INFORMATION

Acute toxicity	Excessive exposure may produce anaesthetic or narcotic effects.
Eye irritation	Liquid and vapour can cause irritation on contact and at high concentrations. This material is corrosive to the eye.
Skin irritation	This material is corrosive to 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 sparingly soluble 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	2920
UN :	Proper shipping name	Corrosive liquid, flammable, n.o.s.
UN :	Class	8
UN :	Packing Group	2
ADR/RID :	Number	2920
ADR/RID :	Proper shipping name	Corrosive liquid, flammable, n.o.s.
ADR/RID :	Class	contains Nonyl Phenol/Xylene
ADR/RID :	Item Number	68(b)
ADR/RID :	Hazard Identification Number	83
IMDG :	Proper shipping name	Corrosive liquid, flammable, N.O.S. Contains Nonyl Phenol/Xylene
IMDG :	Packing Group	2
IMDG :	Class	8
IMDG :	Marine Pollutant	P



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IMDG : Ems Number	8-15
IMDG : MFAG Number	760
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 sensitisation by skin contact.
Very toxic 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.
In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
Use only in well-ventilated areas.

16. OTHER INFORMATION

First Issue Date

04.10.1995

Revisions Highlighted

Main Hazards
Exposure Controls and Personal Protection
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 responsibility to ensure that a suitable and sufficient assessment of the risks created by the use of the product is undertaken.

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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

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

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