

**1. PRODUCT AND COMPANY IDENTIFICATION**

Product Code	ICPXRA
Product Name	Icosit Poxicolor Rapid 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
Butan-1-ol	71-36-3	2.50% - 10.00%	Xn	R10, R22, R37/38, R41, R67
1 methoxy-2-propanol	107-98-2	2.50% - 10.00%	-	R10
Xylene	1330-20-7	2.50% - 10.00%	Xn	R10, R20/21, R38
Ethyl benzene	100-41-4	1.00% - 2.50%	F, Xn	R11, R20
Trizinc bis (orthophosphate)	7779-90-0	2.50% - 10.00%	N	R50/53

3. HAZARD IDENTIFICATION

Main Hazards	Flammable. 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.
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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

Butan-1-ol

UK EH40: OES 50ppm (154mg/m³) 15min STEL

Can be absorbed through skin.

1 methoxy-2-propanol

UK EH40: OES 100ppm (375mg/m³) 8h TWA.

Xylene

UK EH40: OES 150ppm (560mg/m³) 15min STEL

UK EH40: OES 50ppm (220mg/m³) 8h TWA.

Ethyl benzene

UK EH40: OES 100ppm (441mg/m³) 15min STEL

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

40

Solubility - Water

Insoluble.

Density (kg/m³)

Approx. 1800 at 20 °C.

Viscosity (at 20°C)

Approx. 1200 at 20 °C. (measured as mPa.s)



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10. STABILITY AND REACTIVITY

<i>Stability</i>	Stable under normal conditions.
<i>Conditions to avoid</i>	Contains volatile solvent. Sources of ignition.
<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. Excessive exposure may produce anaesthetic or narcotic effects.
<i>Eye irritation</i>	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 :</i>	<i>UN number</i>	1263
<i>UN :</i>	<i>Proper shipping name</i>	Paint
<i>UN :</i>	<i>Class</i>	3.3
<i>UN :</i>	<i>Packing Group</i>	3
<i>ADR/RID :</i>	<i>Number</i>	1263
<i>ADR/RID :</i>	<i>Proper shipping name</i>	Paints - flash point between 21°C and 55°C.
<i>ADR/RID :</i>	<i>Class</i>	3
<i>ADR/RID :</i>	<i>Item Number</i>	31(c)
<i>ADR/RID :</i>	<i>Hazard Identification Number</i>	30
<i>IMDG :</i>	<i>Proper shipping name</i>	Paint.
<i>IMDG :</i>	<i>Packing Group</i>	3
<i>IMDG :</i>	<i>Class</i>	3.3
<i>IMDG :</i>	<i>Ems Number</i>	3-05
<i>IMDG :</i>	<i>MFAG Number</i>	310 313
<i>IATA :</i>	<i>Proper shipping name</i>	Paint.
<i>IATA :</i>	<i>Packing Group</i>	3
<i>IATA :</i>	<i>Class</i>	3



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15. REGULATORY INFORMATION

Label Requirements

Irritant, Dangerous for the environment



Risk Phrases

Flammable.
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

Do not breathe gas/fumes/vapour/spray.
Avoid contact with skin.
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
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

19.10.2000

Revisions Highlighted

Hazards identification
Exposure controls/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.

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.
SI No. 972/1996: The Special Waste Regulations 1996
SI No 2839 1991 Environmental Protection (Duty of Care) Regulations.

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	ICPXR B
Product Name	Icosit Poxicolor Rapid 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
Butan-1-ol	71-36-3	10.00% - 25.00%	Xn	R10, R22, R37/38, R41, R67
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	2.50% - 10.00%	Xn	R22, R36/38

3. HAZARD IDENTIFICATION

Main Hazards	Flammable. Harmful by inhalation and in contact with skin. Irritating to skin. Risk of serious damage to eyes.
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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. 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.



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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 *Spillages*

Try to prevent the material from entering drains or water courses.
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.

Storage

Use in well ventilated area. Avoid inhaling vapour.
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.

Ethyl benzene

UK EH40: OES 100ppm (441mg/m³) 15min STEL

UK EH40: OES 100ppm (441mg/m³) 8h TWA.

Butan-1-ol

UK EH40: OES 125ppm (552mg/m³) 15min STEL

UK EH40: OES 50ppm (154mg/m³) 15min STEL

Can be absorbed through skin.

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

Liquid.

Color

Yellow.

Odor

Ammoniacal.

Flash Point °C

34

Solubility - Water

Insoluble.

Density (kg/m³)

Approx. 900 at 20 °C.

Viscosity (at 20°C)

Approx. 2000 at 20 °C. (measured as mPa.s)



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10. STABILITY AND REACTIVITY

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

11. TOXICOLOGICAL INFORMATION

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

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>	The product may be 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>	1263
<i>UN :</i>	<i>Proper shipping name</i>	Paint
<i>UN :</i>	<i>Packing Group</i>	3
<i>ADR/RID :</i>	<i>Number</i>	1263
<i>ADR/RID :</i>	<i>Proper shipping name</i>	Paints - flash point between 21°C and 55°C.
<i>ADR/RID :</i>	<i>Class</i>	3
<i>ADR/RID :</i>	<i>Item Number</i>	31°c
<i>IMDG :</i>	<i>Proper shipping name</i>	Paint.
<i>IMDG :</i>	<i>Packing Group</i>	3
<i>IMDG :</i>	<i>Class</i>	3
<i>IMDG :</i>	<i>Ems Number</i>	3-05
<i>IMDG :</i>	<i>MFAG Number</i>	310 313
<i>IATA :</i>	<i>Proper shipping name</i>	Paint.
<i>IATA :</i>	<i>Packing Group</i>	3



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IATA : Class

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15. REGULATORY INFORMATION

Label Requirements

Harmful



Risk Phrases

Flammable.
Irritating to skin.
Harmful by inhalation and in contact with skin.
Risk of serious damage to eyes.

Safety Phrases

Do not breathe gas/fumes/vapour/spray.
Avoid contact with skin.
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Wear suitable protective clothing and gloves
Use only in well ventilated areas.

Contains

Xylene
Ethylenediamine
May produce an allergic reaction

16. OTHER INFORMATION

First Issue Date

19.10.2000

Revisions Highlighted

Composition / information on ingredients
Main Hazards
Exposure controls/personal protection
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 responsibility to ensure that a suitable and sufficient assessment of the risks created by the use of the product is undertaken.

UK Legislation

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SI 220/1689: The Control of Substances Hazardous to Health Regulations 2002
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

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