

**1. PRODUCT AND COMPANY IDENTIFICATION**

Product Code	ICEG12A
Product Name	Icosit EG120 Part A
Product Description	2-component Polyurethane protective coating for galvanised and steel surfaces
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
Ethyl acetate	141-78-6	2.50% - 10.00%	F, Xi	R11, R36, R66, R67
Xylene	1330-20-7	2.50% - 10.00%	Xn	R10, R20/21, R38
Butyl acetate	123-86-4	2.50% - 10.00%	-	R10, R66, R67
Ethyl benzene	100-41-4	1.00% - 2.50%	F, Xn	R11, R20
Solvent Naptha (Petroleum),Light Aromatic.	64742-95-6	1.00% - 2.50%	Xn, N	R10, R37, R51/53, R65, R66, R67
Naptha (Petroleum), Hydrotreated Heavy	64742-48-9	1.00% - 2.50%	Xn	R10, R65, R66, R67

3. HAZARD IDENTIFICATION

Main Hazards Flammable.

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. Wash skin thoroughly with soap and water. Solvents should not be used to clean skin because they may increase the penetration of the material.
Ingestion	Do not induce vomiting. 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	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. See also Section 10.
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

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.

Storage

Avoid contact with eyes, skin and clothing.

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**Occupational Exposure Limits - GB**

Xylene

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

UK EH40: OES 150ppm (662mg/m³) 15min STEL

Butyl acetate

UK EH40: OES 150ppm (724mg/m³) 8h TWA.

UK EH40: OES 200ppm (966mg/m³) 15min STEL

Ethyl acetate

UK EH40: OES 200ppm 8 hr. TWA

UK EH40: OES 400ppm 15 min 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

Use appropriate respiratory protection if there is the potential to exceed the exposure limit(s).

Hand Protection

Wear suitable impervious gloves. (butyl/nitrile type)

The insides of gloves must be kept scrupulously clean.

Eye Protection

Chemical goggles.

9. PHYSICAL AND CHEMICAL PROPERTIES**Physical State**

Liquid.

Color

Various

Odor

Characteristic.

Flash Point °C

32

Solubility - Water

Immiscible.

Vapor Pressure (kPa)

Not determined.

Density (kg/m³)

Approx. 1380 at 20 °C.

Viscosity (at 20°C)

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

**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>	Heating may produce: oxides of carbon. acrid smoke and irritating fumes.

11. TOXICOLOGICAL INFORMATION

<i>Acute toxicity</i>	Low order of acute toxicity.
<i>Eye irritation</i>	Liquid and vapour can cause irritation on contact and at high concentrations.
<i>Skin irritation</i>	Frequent or prolonged skin contact may cause some local short term skin irritation.

12. ECOLOGICAL INFORMATION

<i>Mobility</i>	The product is insoluble in water.
<i>Persistence/degradability</i>	The product is partially or slowly 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>Class</i>	3
<i>UN :</i>	<i>Packing Group</i>	3
<i>ADR/RID :</i>	<i>Number</i>	1263
<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
<i>IATA :</i>	<i>Packing Group</i>	3
<i>IATA :</i>	<i>Class</i>	3



SAFETY DATA SHEET

Icosit EG120 Part A

Date of issue - 28/03/2002.

ICEG12A

15. REGULATORY INFORMATION

Risk Phrases

Flammable.

Safety Phrases

Do not breathe gas/fumes/vapour/spray.
In case of insufficient ventilation, wear suitable respiratory equipment.
Use only in well ventilated areas.

16. OTHER INFORMATION

First Issue Date

19.10.2000

Revisions Highlighted

Exposure controls/personal protection

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 1993/1746: Chemicals (Hazard Information and Packaging) Regulations, 1993.
SI 1999/437: 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
SI 1972/917: Highly Flammable Liquids & LPG Regs.

UK Guidance Publications

EH40, Occupational Exposure Limits, HSE. Revised Annually.
General Approved Code of Practice to COSHH Regulations, 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 ICEG12B
Product Name Icosit EG120 Part B
Product Description 2-component Polyurethane protective coating for galvanised and steel surfaces
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
Aliphatic Polyisocyanate	28182-81-2	50.00% - 100.00%	Xi	R43
2-Methoxy-1-methylethyl acetate	108-65-6	10.00% - 25.00%	Xi	R10, R36
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
Hexamethylen-1,6-diisocyanate	822-06-0	0.10% - 1.00%	T	R23, R36/37/38, R42/43

3. HAZARD IDENTIFICATION

Main Hazards Flammable
Harmful by inhalation.
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 Wipe off as much as possible with a clean dry cloth.
Wash skin thoroughly with soap and water.
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. In cases of possible respiratory irritation or if feeling unwell in cases of prolonged exposure, obtain medical attention.

5. FIRE FIGHTING MEASURES

Extinguishing Media Use foam, dry chemical or carbon dioxide.

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 self contained breathing apparatus.

**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.

Avoid inhaling vapour.

Avoid contact with eyes, skin and clothing.

Use in well ventilated area.

Storage

Keep container tightly closed when not in use.

Storage area should be: cool. dry. well ventilated. out of direct sunlight.

Store away from sources of heat or ignition.

Keep away from foodstuffs

Storage temperature should be controlled to between 5 and 25 °C.

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.

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

2-Methoxy-1-methylethyl acetate

UK EH40: OES 50 ppm (274mg/M³) 8 hour TWA

UK EH40: OES 100 ppm (548mg/M³) 15 min STEL

Hexamethylen-1,6-diisocyanate

UK EH40: MEL 0.02mg/m³ 8h TWA.

UK EH40: MEL 0.07mg/m³ 15min STEL.

Engineering Control Measures

Use of the basic principles of Industrial Hygiene will enable this material to be used safely.

Exposure to this material may be controlled in a number of ways.

The measures appropriate for a particular worksite depend on how the material is used and on the potential for exposure.

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.

If limits are exceeded use an approved respirator suitable for the purpose.

Hand Protection

Wear suitable impervious gloves. (butyl/ nitrile type)

Eye Protection

Chemical goggles if there is a risk of splashing.

9. PHYSICAL AND CHEMICAL PROPERTIES**Physical State**

Liquid.

Color

Light Yellow.

Odor

Characteristic.

Flash Point °C

38

Solubility - Water

Insoluble.

Vapor Pressure (kPa)

Not determined.

Density (kg/m³)

Approx. 1070 at 20 °C.



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. Exposure to direct sunlight. High temperatures.
Hazardous Decomposition Products	Combustion will generate: oxides of carbon. oxides of nitrogen. toxic nitrogen compounds.

11. TOXICOLOGICAL INFORMATION

Acute toxicity	Low order of acute toxicity.
Eye irritation	Excessive exposure may produce anaesthetic or narcotic effects. Liquid and vapour can cause irritation on contact and at high concentrations.
Skin irritation	Frequent skin contact may cause irritation and defatting due to the solvent content.
Sensitization - Skin	The possibility of allergic sensitisation should be considered.
Teratogenic effects	Inhalation may cause respiratory sensitisation. Hypersensitive persons may develop asthmatic symptoms and should refrain from working with the product.

12. ECOLOGICAL INFORMATION

Mobility	The product is volatile/gaseous and will partition to the air phase. The product is insoluble in water.
Persistence/degradability	The product is partially or slowly 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 :	Class	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



SAFETY DATA SHEET

Icosit EG120 Part B

Date of issue - 17/01/2003.

ICEG12B

IATA : Proper shipping name Paint.
IATA : Packing Group 3
IATA : Class 3.3

15. REGULATORY INFORMATION

Label Requirements

Harmful



Risk Phrases

Flammable.
Harmful by inhalation.
May cause sensitization by skin contact.

Safety Phrases

Do not breathe gas/fumes/vapour/spray.
Avoid contact with skin.
Wear suitable gloves
Use only in well ventilated areas.

Contains isocyanates. See information supplied by the manufacturer.

Contains

Aliphatic Polyisocyanate

16. OTHER INFORMATION

First Issue Date

19.10.2000

Revisions Highlighted

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 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 2002/1689: Chemicals (Hazard Information and Packaging) Regulations, 2002.
SI 1999/437: The Control of Substances Hazardous to Health Regulations
SI No 2839 1991 Environmental Protection (Duty of Care) Regulations.
SI 1972/917: Highly Flammable Liquids & LPG Regs.
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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