

**1. PRODUCT AND COMPANY IDENTIFICATION**

Product Code	ICEG5A
Product Name	Icosit EG5 Part A
Product Description	2-component decorative and protective polyurethane based topcoat.
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
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-Methoxy-1-methylethyl acetate	108-65-6	2.50% - 10.00%	Xi	R10, R36
Solvent Naptha (Petroleum),Light Aromatic.	64742-95-6	2.50% - 10.00%	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
Pentamethyl piperidylsebazate	41556-26-7	0.10% - 1.00%	Xi, N	R43, R50/53
Naptha (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. 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	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**

<i>Extinguishing Media</i>	Use foam, dry chemical or carbon dioxide.
<i>Extinguishing Media - Not suitable</i>	Do not use water jet.
<i>Special Hazards of Product</i>	Combustion will produce smoke, carbon dioxide and carbon monoxide.
<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. Eliminate all sources of ignition. Ventilate area to dispel any residual vapours.
<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. Use in well ventilated area.
<i>Storage</i>	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/m ³) 8h TWA. UK EH40: OES 150ppm (662mg/m ³) 15min STEL
Ethyl benzene	UK EH40: OES 100ppm (441mg/m ³) 8h TWA. UK EH40: OES 125ppm (552mg/m ³) 15min STEL
2-Methoxy-1-methylethyl acetate	UK EH40: OES 50ppm (274mg/ M3) 8hr. TWA UK EH40: OES 150ppm (822mg/ M3) 15 min STEL

<i>Engineering Control Measures</i>	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. Use of the basic principles of Industrial Hygiene will enable this material to be used safely.
<i>Respiratory Protection</i>	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.
<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>	Various
<i>Odor</i>	Solvent
<i>Flash Point °C</i>	23
<i>Solubility - Water</i>	Immiscible.
<i>Density (kg/m3)</i>	1360 at 20 °C.
<i>Viscosity (at 20°C)</i>	Mobile liquid at ambient temperatures.

10. STABILITY AND REACTIVITY

<i>Stability</i>	Stable under normal conditions. Contains volatile solvent.
<i>Conditions to avoid</i>	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 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>Class</i>	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) Class F1
<i>ADR/RID :</i>	<i>Hazard Identification Number</i>	30



SAFETY DATA SHEET

Icosit EG5 Part A

Date of issue - 30/05/2003.

ICEG5A

IMDG : <i>Proper shipping name</i>	Paint.
IMDG : <i>Packing Group</i>	3
IMDG : <i>Class</i>	3.3
IMDG : <i>Ems Number</i>	3-05
IATA : <i>Proper shipping name</i>	Paint.
IATA : <i>Packing Group</i>	3
IATA : <i>Class</i>	3

15. REGULATORY INFORMATION

Label Requirements

Harmful



Risk Phrases

Flammable.
Harmful by inhalation and in contact with skin.
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety Phrases

In case of insufficient ventilation, wear suitable respiratory equipment.
Do not breathe gas/fumes/vapour/spray.
Use only in well ventilated areas.
If swallowed seek medical advice immediately and show this container or label.

Contains

Pentamethyl piperidylsebacate
Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate

May produce an allergic reaction

16. OTHER INFORMATION

First Issue Date

04.10.1995

Revisions Highlighted

Composition and 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 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 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.
Guide for the Storage and Use of Highly Flammable Liquids - CIA
HS(G) 53, Respiratory Protective Equipment - a Practical Guide for Users, HSE.



SAFETY DATA SHEET

Icosit EG5 Part A

Date of issue - 30/05/2003.

ICEG5A

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	ICEG5B
Product Name	Icosit EG5 Part B
Product Description	2-component decorative and protective polyurethane based topcoat.
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% - 10.00%	Xi	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-Methoxy-1-methylethyl acetate	108-65-6	10.00% - 25.00%	Xi	R10, R36
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 and in contact with skin. May cause sensitisation by skin contact.
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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	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 100ppm (441mg/m³) 8h TWA.

Ethyl benzene

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

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

2-Methoxy-1-methylethyl acetate

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

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

Hexamethylen-1,6-diisocyanate

UK EH40: OES 150ppm (822mg/M³) 15 min STEL

UK EH40: MEL 0.02mg/m³ 8h TWA.

UK EH40: MEL 0.07mg/m³ 15min STEL.

Engineering Control Measures

Engineering methods to prevent or control exposure are preferred. Methods include process or personnel enclosure, mechanical ventilation (dilution and local exhaust), and control of process conditions.

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.

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

Hand Protection

Wear suitable impervious gloves.

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.

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.

Conditions to avoid

Contains volatile solvent.

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 EG5 Part B

Date of issue - 27/02/2002.

ICEG5B

IMDG : Ems Number	3-05
IMDG : MFAG Number	310
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 and in contact with skin.
May cause sensitisation by skin contact.

Safety Phrases

Keep locked up and out of reach of children.
Do not breathe gas/fumes/vapour/spray.
Avoid contact with skin.
In case of insufficient ventilation, wear suitable respiratory equipment.
Use only in well ventilated areas.
If swallowed seek medical advice immediately and show this container or label.

Contains isocyanates. See information supplied by the manufacturer.

16. OTHER INFORMATION

First Issue Date

04.10.1995

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 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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