

**PRODUCT AND COMPANY IDENTIFICATION**

Product Code	IC623A
Product Name	Icosit 6230 Part A
Product Description	2-component solvented,translucent,polyurethane based,top coating for Icosit Antigraffiti System.
Manufacturer/Supplier	Sika Limited Watchmead Welwyn Garden City Hertfordshire. AL7 1BQ tel. 01707 394444 Fax. 01707 329129

COMPOSITION/INFORMATION ON THE COMPONENTS**Preparation - Hazardous ingredients (Europe)**

Component		Concentration	Classification	Risk Phrases
1) Xylene	1330-20-7	10.00% - 30.00%	Xn	R10, R20/21, R38
2) 2-Methoxy-1-methylethyl acetate	108-65-6	10.00% - 30.00%	Xi	R10, R36
3) Solvent Naptha (Petroleum),Light Aromatic.	64742-95-6	10.00% - 30.00%	Xn, N	R10, R37, R51/53, R65, R66, R67
4) Trimethylbenzenes, all isomers	95-63-6	5.00%-10.00%	Xn, N	R20, R36/37/38, R51/53

HAZARD IDENTIFICATION

Main Hazards	Flammable. Irritating to eyes, respiratory system and skin. Harmful by inhalation and in contact with skin. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
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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. 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. Obtain medical attention.

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.

**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.

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.

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.

EXPOSURE CONTROLS/PERSONAL PROTECTION**Occupational Exposure Limits - GB**

1) Xylene

UK EH40: OES 50ppm (220mg/m³) 8h TWA.

2) 2-Methoxy-1-methylethyl acetate

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

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

3) Trimethylbenzenes, all isomers

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

UK EH40: OES 25ppm (125mg/m³) 8h TWA.

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.

PHYSICAL AND CHEMICAL PROPERTIES**Physical State**

Liquid.

Color

Straw - Clear.

Odor

Hydrocarbon.

pH

Not applicable.

Flash Point °C

Approx. 30

Solubility - Water

Immiscible.

Density (kg/m³)

Approx. 995 at 20 °C.

Viscosity (at 20°C)

Mobile liquid at ambient temperatures.

STABILITY AND REACTIVITY**Stability**

Stable under normal conditions.

Contains volatile solvent.

Conditions to avoid

High temperatures.

Materials to avoid

Oxidising agents. Concentrated mineral acids. Alkalis.

Hazardous Decomposition Products

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

**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.

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.

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.

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 Substance Identification Number</i>	1263
<i>ADR/RID Class</i>	3
<i>ADR/RID Item Number</i>	31c
<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>IMDG : Ems Number</i>	3-05
<i>IMDG : MFAG Number</i>	310 313
<i>IATA : Proper shipping name</i>	Paint.
<i>IATA : Packing Group</i>	3
<i>IATA : Class</i>	3

REGULATORY INFORMATION

<i>Label Requirements</i>	Harmful, Dangerous for the environment
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SAFETY DATA SHEET

Icosit 6230 Part A

Date of issue - 15/04/2002.

IC623A

Risk Phrases

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

Safety Phrases

Avoid contact with skin and eyes.
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.
This material and its container must be disposed of as hazardous waste.
Avoid release to the environment. Refer to special instructions/Safety data sheets.

OTHER INFORMATION

First Issue Date

13.02.1996

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.
Chemicals (Hazard Information and Packaging) Regulations, 2002.
SI No 2839 1991 Environmental Protection (Duty of Care) Regulations.
SI 1999/437: The Control of Substances Hazardous to Health 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.
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.

**PRODUCT AND COMPANY IDENTIFICATION**

Product Code	IC623B
Product Name	Icosit 6230 Part B
Product Description	2-component solvented,translucent,polyurethane based,top coating for Icosit Antigrffiti System.
Manufacturer/Supplier	Sika Limited Watchmead Welwyn Garden City Hertfordshire. AL7 1BQ tel. 01707 394444 Fax. 01707 329129

COMPOSITION/INFORMATION ON THE COMPONENTS**Preparation - Hazardous ingredients (Europe)**

Component		Concentration	Classification	Risk Phrases
1) Aliphatic Polyisocyanate	4035-89-6	60.00%-100.00%	Xi	R43
2) 1 methoxy-2 propyl acetate	108-65-6	10.00% - 30.00%	Xi	R10, R36
3) Xylene	1330-20-7	10.00% - 30.00%	Xn	R10, R20/21, R38
4) Hexamethylen-1,6-diisocyanate	822-06-0	0.10% - 1.00%	T	R23, R36/37/38, R42/43

HAZARD IDENTIFICATION

Main Hazards	Flammable May cause sensitisation by skin contact. Harmful by inhalation and in contact with skin.
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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	Immediately wash skin thoroughly with soap and water. Contaminated clothing should be washed or dry-cleaned before re-use. Obtain medical attention if blistering occurs or redness persists.
Ingestion	Do not induce vomiting. Wash out mouth with water. Obtain medical attention urgently.
Inhalation	Remove from exposure. In cases of possible respiratory irritation or if feeling unwell in cases of prolonged exposure,obtain medical attention.

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.

**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.

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.

EXPOSURE CONTROLS/PERSONAL PROTECTION**Occupational Exposure Limits - GB**

1) Xylene	UK EH40: OES 50 ppm(220mg/M3) 8 hr. TWA UK EH40: OES 100ppm(441mg/M3) 15 Min STEL
2) 1 methoxy-2 propyl acetate	UK EH 40: OES 50 ppm (274 mg/M3) 8 hr. TWA UK EH 40: OES 100 ppm (548 mg/M3) 15 min STEL
3) 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.

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 if there is a risk of splashing.

PHYSICAL AND CHEMICAL PROPERTIES**Physical State**

Liquid.

Color

Light Yellow.

Odor

Characteristic.

pH

Not applicable.

Flash Point °C

Approx. 38

Solubility - Water

Insoluble.

Density (kg/m3)

Approx. 1070 at 20 °C.

Autoignition Temperature °C

Above 425.

Viscosity (at 20°C)

Mobile liquid at ambient temperatures.

**STABILITY AND REACTIVITY**

Stability	Stable under normal conditions. Contains volatile solvent.
Conditions to avoid	Sources of ignition. Exposure to direct sunlight. High temperatures.
Materials to avoid	Oxidising agents. Alkalis. Alcohols. Amines.
Hazardous Decomposition Products	Combustion will generate: oxides of carbon, oxides of nitrogen, toxic nitrogen compounds.

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.
Human Data	Inhalation may cause respiratory sensitisation. Hypersensitive persons may develop asthmatic symptoms and should refrain from working with the product.

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.

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.

TRANSPORT INFORMATION

UN :	UN number	1263
UN :	Class	3
UN :	Packing Group	3
ADR/RID	Substance Identification 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
IMDG :	MFAG Number	310



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

REGULATORY INFORMATION**Label Requirements**

Harmful

**Risk Phrases**

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

Safety Phrases

Avoid contact with skin.
Wear suitable gloves.
Use only in well ventilated areas.
This material and its container must be disposed of as hazardous waste.

Contains isocyanates. See information supplied by the manufacturer.

OTHER INFORMATION**First Issue Date**

13.02.1996

Revisions Highlighted

Exposure Controls and Personal Protection

Uses and Restrictions

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SI No. 972/1996: The Special Waste Regulations 1996
SI 1999/437: The Control of Substances Hazardous to Health Regulations

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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.
Hydrocarbon Solvents - A Guide to Safe Handling (Solvent Industries Association).

Footnote

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