



SAFETY DATA SHEET

1 - IDENTIFICATION OF PREPARATION AND COMPANY/BUSINESS

Preparation:

Name: CIREX DE 68.

Product type and use: Mould release agent.

Version: July 2001

Company/business:

Registered company name: SICOMIN Composites

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2 - INFORMATION REGARDING CONSTITUENTS

Hazardous components within the meaning of EEC directive 67/548 and corresponding classification:

Quantity N.67 / 548 / CEE CAS EINECS

50 – 75 %

Cyclohexane.

F Highly flammable.

Xn Harmful.

R11 Highly flammable.

R38 Irritating to skin.

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in aquatic environment.

R65 Harmful: may cause lung damage if swallowed.

R 67 Vapours may cause drowsiness and dizziness.

20 – 30 %

Ethyl methyl ketone

F Highly flammable.

Xi Irritant.

R11 Highly flammable.

R 36 Irritating to eyes, skin dryness or cracking.

R 67 Vapours may cause drowsiness and dizziness.

5 – 10%

Xylene.

Xn Harmful.

R10 Flammable

R20/21 Harmful by inhalation and in contact with skin.

R38 Irritating to skin.

3 - IDENTIFICATION OF HAZARDS

The product is a liquid that can easily catch fire if exposed to an ignition source.



If brought into contact with eyes, the product causes irritation that may last for over 24 hours, and if brought into contact with the skin, it causes significant inflammation with erythema, scabs and oedema.

4 - FIRST AID.

Contact with skin:

Immediately take off all contaminated clothing.

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.

Contact with eyes:

Wash immediately and thoroughly with running water, keeping eyelids raised, for at least 10 minutes. OBTAIN A MEDICAL EXAMINATION.

Swallowing:

Do not induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

Give liquid paraffin, or a suspension of activated charcoal in water, to drink.

Inhalation:

Ventilate the premises. The patient is to be removed immediately from the contaminated premises to rest in a well ventilated area. Should the patient feel unwell, OBTAIN MEDICAL ATTENTION.

5 - FIRE-FIGHTING MEASURES

Recommended extinguishers:

In case of fire, use CO2 or chemical powder.

Extinguishers not to be used:

None in particular.

Risks arising from combustion:

Avoid inhaling the fumes.

Protective equipment:

Use protection for the respiratory tract.

Cool the containers exposed to the fire with water.

6 - MEASURES TO BE TAKEN IN THE EVENT OF ACCIDENTAL SPILLAGE

Measures for personal safety:

Use a mask, gloves and protective clothing.

Environmental measures:

Limit leakages with earth or sand.

Avoid the product to escape into water courses or into the drainage system.

If the product has escaped into a water course, into the drainage system, or has contaminated the ground or vegetation, notify the competent authorities.

Eliminate all unguarded flames and possible sources of ignition. Do not smoke.

Cleaning methods:

Recover the product for re-use if possible, or for elimination. The product might, where appropriate, be absorbed by inert material.

After the product has been recovered, rinse the area and materials involved with water.

7 - HANDLING AND STORAGE

Handling precautions:

Avoid direct contact with the product and inhalation of vapours. See too paragraph 8 below.

Do not eat or drink while working.

Do not smoke while working.

Incompatible materials:



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None in particular. See too paragraph 10.

Storage conditions:

Keep container closed.

Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.

Avoid accumulating electrostatic charge.

Instructions as regards storage premises:

Cool and adequately ventilated.

Safety electric system.

8 - EXPOSURE CONTROL - PERSONAL SAFETY

Precautionary measures:

Give adequate ventilation to the premises where the product is stored and/or handled.

Respiratory protection:

Not needed for normal use.

Use respiratory protection when there is a risk of vapours exposure.

Protection for hands:

Use protective gloves.

Eye protection:

Use close fitting safety goggles.

Protection for skin:

Use clothing that provides comprehensive protection to skin.

Exposure limit (s) (ACGIH):

Name	TLV – TWA	TLV – STEL
Cyclohexane	300 ppm – 1030 mg/ m ³	
Ethyl methyl ketone	200 ppm – 590 mg/m ³	300 ppm – 885 mg/m ³
Xylene	100 ppm – 434 mg/m ³	150 ppm – 651mg/m ³ (A4)

9 - PHYSICAL PROPERTIES

Appearance and color:	Opaque white liquid.
Odour	Characteristic.
Boiling point:	65 – 166°C
Flash point:	< 21°C
Explosion limits in air Vol%	1.8 (l _{el}) – 10 (u _{el}) referred to ethyl methyl ketone.
Explosion limits in air Vol%	1.0 (l _{el}) – 70 (u _{el}) referred to xylene.
Relative density:	About 0.78 g/ml
Viscosity:	10 mPa.s @ 25°C
Solubility:	Insoluble.

10 - STABILITY AND REACTIVITY

Conditions to avoid:

Avoid accumulating electrostatic charge.

Substances to avoid:

Avoid contact with combustible materials. The product could catch fire.

Hazardous decomposition products:

No specific hazard.

11 - TOXICOLOGICAL INFORMATION

Contact with skin:

Irritant . Repeated exposure may cause skin dryness or cracking.

Contact with eyes:

Irritant

Inhalation:

Inhalation of vapours may cause drowsiness and dizziness.

Ingestion:

Set out below is the toxicological information relating to the main substances in the preparation:

Cyclohexane	LD 50/oral rat: 29820 mg/kg
Ethyl methyl ketone	LD 50/skin rabbit: 13000 mg/kg
Xylene	LD 50/oral rat: 5000 mg/kg.

12 - ECOLOGICAL INFORMATION

Use according to criteria of good industrial practice, avoiding product dispersion in the environment.

13 - DISPOSAL CONSIDERATIONS

Recover, if possible. Send to authorized disposal plants or for incineration under controlled conditions.
In so doing, comply with the local and national regulations currently in force.

14 - TRANSPORT INFORMATION

Road (ADR):	Class 3 – 3b)
Rail (RID):	Class 3
Air(ICA0/IATA):	Class 3
Sea (IMO):	Class 3
UN number:	1993

15 - STATUTORY INFORMATION

Current European regulations relating classification, packaging and labeling of dangerous substances and preparations and current adaptations of Council Directive 67/548/EEC.

Symbols	Xi	Irritant
	F	Highly flammable
R Phrases	R11	Highly flammable.
	R66	Repeated exposure may cause skin dryness or cracking.
	R67	Vapours may cause drowsiness and dizziness
	R36/38	Irritating to eyes and skin.
S Phrases	S16	Keep away from sources of ignition – No smoking.
	S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
	S33	Take precautionary measures against static discharges.
	S43	In case of fire, use CO2 or chemical powder.
	S61	Avoid release to the environment. Refer to special instructions/safety data sheets.
	S25	Avoid contact with eyes.
	S36/37	Wear suitable gloves.

Where applicable, refer to the following regulatory provisions:

Directive 62/501/EEC (activities linked to risks of serious accidents) and subsequent.

16 - OTHER INFORMATION



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N.A = Not applicable.

N.D = No data.

Main bibliographic sources:

ECDIN – Environmental Chemicals Data and information network – Joint Research Center,
Commission of the European Communities.

SAX's Dangerous Properties of Industrial Materials – Eight Edition - Van Nostrand Reinold.

ACGIH – Treshold Limit Values – 1999 edition.

The information contained herein is based on our state of knowledge at the above specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.