



SAFETY DATA SHEET

CILCURE B

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME	CILCURE B
PRODUCT NO.	CUBMASTER CUB-5 CUB-25TH
APPLICATION	Two component polyurethane elastomer isocyanate component Additive for Adhesive
SUPPLIER	Chemical Innovations Ltd 217 Walton Summit Road Walton Summit Centre Bamber Bridge Preston Lancashire PR5 8AQ United Kingdom T +44 (0)1772 322888 F +44 (0)1772 315853 Email: sales@polycil.co.uk
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2 HAZARDS IDENTIFICATION

Harmful by inhalation.

Irritating to eyes, respiratory system and skin.

May cause sensitisation by inhalation and skin contact.

Limited evidence of a carcinogenic effect.

Harmful: danger of serious damage to health by prolonged exposure through inhalation.

CLASSIFICATION (1999/45) Xn;R20, R48/20. Carc. Cat. 3;R40. R42/43. Xi;R36/37/38.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification (67/548)
DIPHENYLMETHANE-2,4'-DIISOCYANATE		5873-54-1	5-10%	Xn;R20,R48/20. Carc. Cat. 3;R40. Xi;R36/37/38. R42/43.
DIPHENYLMETHANE-4,4'-DIISOCYANATE	202-966-0	101-68-8	70-80%	Xn;R20,R48/20. Carc. Cat. 3;R40. Xi;R36/37/38. R42/43.
METHYLENEDIPHENYLDIISOCYANATE HOMOPOLYMER		39310-05-9	20-30%	R42.

The Full Text for all R-Phrases are Displayed in Section 16

4 FIRST-AID MEASURES

GENERAL INFORMATION

Move the exposed person to fresh air at once.

Get medical attention if any discomfort continues.

NOTE! Effects may be delayed. Keep affected person under observation.

INHALATION

Move the exposed person to fresh air at once.

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For breathing difficulties oxygen may be necessary.

If breathing stops, provide artificial respiration.

Keep the affected person warm and at rest. Get prompt medical attention.

INGESTION

DO NOT INDUCE VOMITING!

NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS!

Remove victim immediately from source of exposure.

Immediately rinse mouth and provide fresh air.

Get medical attention immediately!

NOTE! Keep affected person away from heat, sparks and flames!

SKIN CONTACT

Remove affected person from source of contamination.

Wash the skin immediately with soap and water.

Get medical attention if irritation persists after washing.

EYE CONTACT

Remove victim immediately from source of exposure.

Make sure to remove any contact lenses from the eyes before rinsing.

Promptly wash eyes with plenty of water while lifting the eye lids.

Continue to rinse for at least 15 minutes.

Contact physician if irritation persists.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Fire can be extinguished using:

Dry chemicals, sand, dolomite etc.

Alcohol resistant foam.

Carbon dioxide or dry powder.

DO NOT use water if avoidable.

SPECIAL FIRE FIGHTING PROCEDURES

Move container from fire area if it can be done without risk.

Containers close to fire should be removed immediately or cooled with water.

Cool containers exposed to flames with water until well after the fire is out.

Keep run-off water out of sewers and water sources. Dike for water control.

Keep up-wind to avoid fumes.

If possible, fight fire from protected position.

Do not get water inside container.

UNUSUAL FIRE & EXPLOSION HAZARDS

Fire causes formation of toxic gases.

SPECIFIC HAZARDS

Fire creates:

Toxic gases/vapours/fumes of:

Carbon monoxide (CO).

Carbon dioxide (CO₂).

Cyanides.

Nitrous gases (NO_x).

PROTECTIVE MEASURES IN FIRE

Wear full protective clothing.

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Ensure suitable personal protection (including respiratory protection) during removal of spillages in a confined area.

CILCURE B

Avoid inhalation of vapours and contact with skin and eyes.

In case of spills, beware of slippery floors and surfaces.

ENVIRONMENTAL PRECAUTIONS

Do not discharge into drains, water courses or onto the ground.

SPILL CLEAN UP METHODS

Stop leak if possible without risk.

Provide ventilation and confine spill. Do not allow runoff to sewer.

Absorb in vermiculite, dry sand or earth and place into containers.

Do not close container tightly. Risk of excess pressure build-up.

If leakage cannot be stopped, evacuate area.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Avoid spilling, skin and eye contact.

Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.

Eye wash facilities and emergency shower must be available when handling this product.

Persons with impaired lung functions should not handle this preparation.

STORAGE PRECAUTIONS

Keep in original container.

Store in tightly closed original container in a dry, cool and well-ventilated place.

STORAGE CLASS

Miscellaneous hazardous material storage.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	TWA - 8 hrs		STEL - 15 min		Notes
DIPHENYLMETHANE-2,4'-DIISOCYANATE	WEL		0.02 mg/m3(Sen)		0.07 mg/m3(Sen)	as NCO
DIPHENYLMETHANE-4,4'-DIISOCYANATE	WEL		0.02 mg/m3(Sen)		0.07 mg/m3(Sen)	as NCO
METHYLENEDIPHENYLDIISOCYANATE HOMOPOLYMER	WEL		0.02 mg/m3(Sen)		0.07 mg/m3(Sen)	

WEL = Workplace Exposure Limit.

PROTECTIVE EQUIPMENT



RESPIRATORY EQUIPMENT

No specific recommendation made, but respiratory protection must be used if the general level exceeds the recommended occupational exposure limit.

It is recommended to use respiratory equipment with combination filter, type A2/P2.

HAND PROTECTION

Use protective gloves.

Nitrile gloves are recommended.

EYE PROTECTION

Wear approved safety goggles.

OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

HYGIENE MEASURES

DO NOT SMOKE IN WORK AREA!

Wash at the end of each work shift and before eating, smoking and using the toilet.

CILCURE B

Promptly remove any clothing that becomes contaminated.

When using do not eat, drink or smoke.

SKIN PROTECTION

Wear apron or protective clothing in case of contact.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid
COLOUR	Light (or pale) Yellow
ODOUR	Characteristic Musty (mouldy).
BOILING POINT (°C)	>300@ 760 mm Hg
MELTING POINT (°C)	<15
RELATIVE DENSITY	1.21@ 25
VAPOUR DENSITY (air=1)	8.5
VAPOUR PRESSURE	0.00001 mm Hg @25
FLASH POINT (°C)	190 Method CC (Closed cup).

10 STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions and recommended use.

CONDITIONS TO AVOID

Avoid heat, flames and other sources of ignition.

Avoid contact with water.

Reacts with alkalis and amines generating excessive heat.

Avoid contact with:

Oxidising materials.

MATERIALS TO AVOID

Bases, alkalis (inorganic).

Alcohols, glycols.

Amines.

Water, steam, water mixtures.

Strong acids.

HAZARDOUS DECOMPOSITION PRODUCTS

Fire creates:

Vapours/gases/fumes of:

Carbon monoxide (CO).

Carbon dioxide (CO₂).

Nitrous gases (NO_x).

Cyanides.

11 TOXICOLOGICAL INFORMATION

INHALATION

Vapour from this chemical can be hazardous when inhaled. May cause sensitisation by inhalation.

INGESTION

May cause stomach pain or vomiting.

SKIN CONTACT

May cause skin irritation/eczema. Risk of sensitisation or allergic reactions among sensitive individuals.

EYE CONTACT

Irritation of eyes and mucous membranes.

12 ECOLOGICAL INFORMATION

CILCURE B

ECOTOXICITY

The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

WATER HAZARD CLASSIFICATION

WGK 1

13 DISPOSAL CONSIDERATIONS

GENERAL INFORMATION

When handling waste, consideration should be made to the safety precautions applying to handling of the product.

Only experts should be permitted to carry out disposal of this material.

Waste is classified as hazardous waste. Disposal to licensed waste disposal site in accordance with the local Waste Disposal Authority.

DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements.

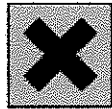
14 TRANSPORT INFORMATION

GENERAL

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

15 REGULATORY INFORMATION

LABELLING



Harmful

CONTAINS

DIPHENYLMETHANE-2,4'-DIISOCYANATE
DIPHENYLMETHANE-4,4'-DIISOCYANATE
METHYLENEDIPHENYLDIISOCYANATE HOMOPOLYMER

RISK PHRASES

R20	Harmful by inhalation.
R36/37/38	Irritating to eyes, respiratory system and skin.
R40	Limited evidence of a carcinogenic effect.
R42/43	May cause sensitisation by inhalation and skin contact.
R48/20	Harmful: danger of serious damage to health by prolonged exposure through inhalation.

SAFETY PHRASES

S23	Do not breathe vapour/spray.
S36/37	Wear suitable protective clothing and gloves.
S45	In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).

UK REGULATORY REFERENCES

Petroleum (Consolidation) Act, as amended 1984 SI 1244.
Highly Flammable Liquid Regulations 1972.

ENVIRONMENTAL LISTING

Rivers (Prevention of Pollution) Act 1961.
Control of Pollution (Special Waste Regulations) Act 1980.

EU DIRECTIVES

Dangerous Substance Directive 67/548/EEC.
Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.
Dangerous Preparations Directive 1999/45/EC.

CILCURE B

System of specific information relating to Dangerous Preparations. 2001/58/EC.

STATUTORY INSTRUMENTS

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

Control of Substances Hazardous to Health.

APPROVED CODE OF PRACTICE

Classification and Labelling of Substances and Preparations Dangerous for Supply.

Safety Data Sheets for Substances and Preparations.

GUIDANCE NOTES

Workplace Exposure Limits EH40.

Introduction to Local Exhaust Ventilation HS(G)37.

CHIP for everyone HSG(108).

16 OTHER INFORMATION

REVISION COMMENTS

Change to Sections 1, 2, 3, 4, 5, 6, 8, 9, 10, 11, 13, 15, 16

REVISION DATE NOV2010

REV. NO./REPL. SDS 4-2

GENERATED

SDS NO. CCB

RISK PHRASES IN FULL

R20	Harmful by inhalation.
R48/20	Harmful: danger of serious damage to health by prolonged exposure through inhalation.
R36/37/38	Irritating to eyes, respiratory system and skin.
R40	Limited evidence of a carcinogenic effect.
R42/43	May cause sensitisation by inhalation and skin contact.
R42	May cause sensitisation by inhalation.

DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.