



SAFETY DATA SHEET CILCURE B

1. Identification

Product identifier

Product name CILCURE B

Details of the supplier of the safety data sheet

Supplier Kömmerling UK Ltd
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Emergency telephone number

Emergency telephone +44(0)7778 029192

2. Hazard(s) identification

Classification of the substance or mixture

Physical hazards Not Classified

Health hazards Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Resp. Sens. 1 - H334 Skin Sens. 1 - H317 Carc. 2 - H351 STOT SE 3 - H335 STOT RE 2 - H373

Environmental hazards Not Classified

Label elements

Pictogram



Signal word Danger

Hazard statements H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H332 Harmful if inhaled.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335 May cause respiratory irritation.
H351 Suspected of causing cancer.
H373 May cause damage to organs through prolonged or repeated exposure.

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Precautionary statements	<p>P201 Obtain special instructions before use.</p> <p>P202 Do not handle until all safety precautions have been read and understood.</p> <p>P260 Do not breathe vapor/spray.</p> <p>P261 Avoid breathing vapor/spray.</p> <p>P264 Wash contaminated skin thoroughly after handling.</p> <p>P271 Use only outdoors or in a well-ventilated area.</p> <p>P272 Contaminated work clothing must not be allowed out of the workplace.</p> <p>P280 Wear protective gloves/protective clothing/eye protection/face protection.</p> <p>P284 [In case of inadequate ventilation] wear respiratory protection.</p> <p>P302+P352 If on skin: Wash with plenty of water.</p> <p>P304+P340 If inhaled: Remove person to fresh air and keep comfortable for breathing.</p> <p>P308+P313 If exposed or concerned: Get medical advice/attention.</p> <p>P312 Call a poison center/doctor if you feel unwell.</p> <p>P314 Get medical advice/attention if you feel unwell.</p> <p>P321 Specific treatment (see medical advice on this label).</p> <p>P332+P313 If skin irritation occurs: Get medical advice/attention.</p> <p>P333+P313 If skin irritation or rash occurs: Get medical advice/attention.</p> <p>P342+P311 If experiencing respiratory symptoms: Call a poison center/doctor.</p> <p>P362+P364 Take off contaminated clothing and wash it before reuse.</p> <p>P403+P233 Store in a well-ventilated place. Keep container tightly closed.</p> <p>P405 Store locked up.</p> <p>P501 Dispose of contents/container in accordance with national regulations.</p>
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Contains	4,4'-methylenediphenyl diisocyanate, Methylenediphenyldiisocyanate Homopolymer, o-(p-isocyanatobenzyl)phenyl isocyanate
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3. Composition/information on ingredients

Mixtures

4,4'-methylenediphenyl diisocyanate	60-100%
CAS number: 101-68-8	
Classification	
Acute Tox. 4 - H332	
Skin Irrit. 2 - H315	
Eye Irrit. 2 - H319	
Resp. Sens. 1 - H334	
Skin Sens. 1 - H317	
Carc. 2 - H351	
STOT SE 3 - H335	
STOT RE 2 - H373	
Methylenediphenyldiisocyanate Homopolymer	10-30%
CAS number: 39310-05-9	
Classification	
Resp. Sens. 1 - H334	

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o-(p-isocyanatobenzyl)phenyl isocyanate	5-10%
CAS number: 5873-54-1	
Classification	
Acute Tox. 4 - H332	
Skin Irrit. 2 - H315	
Eye Irrit. 2 - H319	
Resp. Sens. 1 - H334	
Skin Sens. 1 - H317	
Carc. 2 - H351	
STOT SE 3 - H335	
STOT RE 2 - H373	
triethyl phosphate	1-5%
CAS number: 78-40-0	
Classification	
Acute Tox. 4 - H302	
Eye Irrit. 2A - H319	

The Full Text for all Hazard Statements are Displayed in Section 16.

4. First-aid measures

Description of first aid measures

General information	Move affected person to fresh air at once. Get medical attention if any discomfort continues.
Inhalation	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. For breathing difficulties, oxygen may be necessary. If breathing stops, provide artificial respiration. Keep affected person warm and at rest.
Ingestion	IF SWALLOWED: Do not induce vomiting. Remove affected person from source of contamination. Rinse mouth thoroughly with water. Get medical attention immediately.
Skin Contact	IF ON SKIN: Wash skin thoroughly with soap and water. Take off contaminated clothing and wash it before reuse. Get medical attention if irritation persists after washing.
Eye contact	IF IN EYES: Remove any contact lenses and open eyelids wide apart. Wash with plenty of soap and water. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.
Protection of first aiders	Wash contaminated clothing thoroughly with water before removing it from the affected person, or wear gloves. First aid personnel should wear appropriate protective equipment during any rescue.

Indication of immediate medical attention and special treatment needed

Specific treatments	Treat symptomatically.
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5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media Extinguish with the following media: Foam. Use dry chemicals, sand or dolomite for extinction.

Advice for firefighters

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Protective actions during firefighting Evacuate area. Move containers from fire area if it can be done without risk. Containers close to fire should be removed or cooled with water. Cool containers exposed to flames with water until well after the fire is out. Control run-off water by containing and keeping it out of sewers and watercourses.

Special protective equipment for firefighters Use special protective clothing.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions Use suitable respiratory protection if ventilation is inadequate. Wear protective clothing as described in Section 8 of this safety data sheet. Do not handle broken packages without protective equipment.

Environmental precautions

Environmental precautions Do not discharge into drains or watercourses or onto the ground.

Methods and material for containment and cleaning up

Methods for cleaning up Absorb in vermiculite, dry sand or earth and place into containers. Containers with collected spillage must be properly labeled with correct contents and hazard symbol. Residues and empty containers should be taken care of as hazardous waste according to local and national provisions. Dispose of waste via a licensed waste disposal contractor.

7. Handling and storage

Precautions for safe handling

Usage precautions Avoid contact with skin, eyes and clothing. Do not breathe vapours. Eye wash facilities and emergency shower must be available when handling this product.

Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a dry, cool and well-ventilated place. Stir Thoroughly before and during use. Refer to SDS.

8. Exposure Controls/personal protection

Control parameters

Occupational exposure limits

4,4'-methylenediphenyl diisocyanate

Long-term exposure limit (8-hour TWA): ACGIH 0.005 ppm 0.051 mg/m³

Ceiling exposure limit: OSHA 0.02 ppm 0.2 mg/m³

ACGIH = American Conference of Governmental Industrial Hygienists.

OSHA = Occupational Safety and Health Administration.

4,4'-methylenediphenyl diisocyanate (CAS: 101-68-8)

Immediate danger to life and health 75 mg/m³

Exposure controls

Protective equipment



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Appropriate engineering controls	As this product contains ingredients with exposure limits, process enclosures, local exhaust ventilation or other engineering controls should be used to keep worker exposure below any statutory or recommended limits, if use generates dust, fumes, gas, vapor or mist. Personal protective equipment should only be used if worker exposure cannot be controlled adequately by the engineering control measures.
Eye/face protection	Chemical splash goggles.
Hand protection	Butyl rubber. Polyethylene.
Other skin and body protection	Wear apron or protective clothing in case of contact.
Hygiene measures	Wash hands thoroughly after handling. Wash promptly with soap and water if skin becomes contaminated. Promptly remove any clothing that becomes wet or contaminated. When using do not eat, drink or smoke.
Respiratory protection	If ventilation is inadequate, suitable respiratory protection must be worn.

9. Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance	Liquid.
Color	Yellow.
Odor	Fruity.
Melting point	<15°C
Initial boiling point and range	>300°C @ 760 mm Hg
Flash point	190°C CC (Closed cup).
Relative density	1.21 @ 25°C
Solubility(ies)	Insoluble in water.

10. Stability and reactivity

Reactivity	Water-reactive materials.
Stability	Stable at normal ambient temperatures and when used as recommended.
Possibility of hazardous reactions	Reacts with water.
Conditions to avoid	Avoid exposure to high temperatures or direct sunlight.
Materials to avoid	Water, steam, water mixtures. Alcohols. Acids.

11. Toxicological information

Information on toxicological effects

Acute toxicity - oral

ATE oral (mg/kg) 75,000.0

Acute toxicity - inhalation

ATE inhalation (vapours mg/l) 15.07

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Inhalation	Vapor from this product may be hazardous by inhalation.
Ingestion	May cause stomach pain or vomiting.
Skin Contact	May cause skin irritation/eczema.
Eye contact	Irritation of eyes and mucous membranes.

12. Ecological Information

Persistence and degradability

Persistence and degradability No data available.

Bioaccumulative potential

Bio-Accumulative Potential Bioaccumulation is unlikely to be significant because of the low water-solubility of this product.

Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

Other adverse effects

Other adverse effects Not known.

13. Disposal considerations

Waste treatment methods

General information The generation of waste should be minimized or avoided wherever possible.

Disposal methods Dispose of waste product or used containers in accordance with local regulations

14. Transport information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, DoT).

UN Number

Not applicable.

UN proper shipping name

Not applicable.

Transport hazard class(es)

No transport warning sign required.

Packing group

Not applicable.

Environmental hazards

Environmentally Hazardous Substance

No.

Special precautions for user

Not applicable.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

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15. Regulatory information

Inventories

US - TSCA

All the ingredients are listed or exempt.

16. Other information

Revision comments	NOTE: Lines within the margin indicate significant changes from the previous revision. Company Logo updated
Issued by	HS&E Manager.
Revision date	3/3/2016
Revision	2
Supersedes date	10/7/2015
SDS No.	4642
SDS status	Approved.
Hazard statements in full	H302 Harmful if swallowed. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H332 Harmful if inhaled. H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled. H335 May cause respiratory irritation. H351 Suspected of causing cancer. H373 May cause damage to organs through prolonged or repeated exposure.