

<b>ID#:</b>	1961765	<b>Assessment Owner:</b>	Clive Owen
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<b>Email:</b>	clive@a1groupuk.com	<b>Date Created:</b>	25/07/2013 14:48:00
<b>Date Assessment Reviewed</b>	23/02/2023	<b>Next Review Date:</b>	23/02/2026 11:55:00
<b>Material Code:</b>	173760	<b>Tradename:</b>	CHANNEL CUBES
		<b>Supplier</b>	SAFECHEM LIMITED
<b>Supplier Phone:</b>	0191 4108668	<b>IMC:</b>	
<b>Keyword</b>	Toilet Block	<b>Frequency of use:</b>	Daily
<b>Approximately how much of the material is used by one person in one working day:</b>	5-10 litres	<b>How many people are directly exposed?:</b>	2-5
<b>Are any other people put at risk from indirect exposure?:</b>	No	<b>How are they exposed?:</b>	
<b>Are there any susceptible workers?:</b>	No	<b>Susceptible Categories:</b>	
<b>Other info:</b>		<b>Is this material being used outside of the normal temperature range?:</b>	No

**Additional work practices:****Existing Control measures:**

**Exp Limit** 1,4-dichlorobenzene 12mg/m3 8hTWA 60mg/m3 15mSTEL

**Notes** Classification based upon contents stated within supplier's safety data sheet rather than upon suppliers classification

**Files Uploaded****File Name****Activities**

Act No	Method	Area	Exposure
2	Pouring	Outside	1/2 to 2 hours per shift

**Work Area**

**Work Area Code** LH **Sub Area Code**

**Safer Substitute Chosen** **Reason for leaving/swapping material**

Material/Process  
**CHANNEL CUBES**

**MEDIUM HAZARD**

SOLID

Supplier SAFECEM LIMITED  
 Keyword Toilet Block

Contents  
 1,4-dichlorobenzene: 20-50%

Signal Word Warning  
 Exp Limit 1,4-dichlorobenzene 12mg/m3 8hTWA 60mg/m3 15mSTEL



**Health Hazards**  
 Causes serious eye irritation  
 Suspected of causing cancer  
 Very toxic to aquatic life  
 May cause long lasting harmful effects to aquatic life  
 May cause ill health if ingested in quantity  
 Skin - irritation and dermatitis may result from prolonged contact  
 When using do not eat, drink or smoke



Method	Pouring	Area	Outside	Exposure	1/2 to 2 hours per shift
MEDIUM ACUTE RISK - FULL EXPOSURE			MEDIUM CHRONIC RISK - FULL EXPOSURE		

Control Measures	MEDIUM ACUTE RISK - INDIVIDUAL ACTIVITY		MEDIUM CHRONIC RISK		
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KEEP SKIN COVERED	NITRILE		AND	PORTABLE OR	FILTER TYPE P2
WASH AFTER CONTACT	IF HEAVILY SOILED	VACUUM UP DUSTS	AFTER USE	ACUTE HAZARD	

**Spillage**  
 Ventilate area  
 Do not allow uncontrolled spillages to enter mains drain/sewers/water courses  
 Contact water services co. and ea if watercourses are contaminated  
 Wear nitrile gloves  
 Wear eye protection (bs en166)  
 Wear RPE with particulate filter p if significant dust generated  
 Wear protective clothing if whole container is spilt  
 Do not dry sweep - either suppress dust or clear using hepa vacuum  
 Collect into a container, close lid  
 Dispose or recycle of spillages in a controlled manner - Refer to Hazardous Waste Regulations if appropriate

**First Aid**  
 Inhalation - remove to fresh air and rest  
 After a significant exposure or if feeling unwell call for medical assistance immediately  
 Ingestion - do not induce vomiting  
 Ingestion - give plenty of water in sips  
 If feeling unwell consult your doctor immediately  
 Eye - irrigate with water for at least 15 minutes  
 Skin - wash with soap/cleanser and rinse with water  
 If irritation persists then consult a doctor

**Fire**  
 Isolated small scale fire:  
 Powder - foam - carbon dioxide (CO2)  
 Large fire: evacuate area, call fire brigade or follow site procedure  
 Wear self-contained breathing apparatus and protective clothing  
 Toxic fumes are produced when material is involved in a fire  
 Avoid contamination of watercourses by firefighting run-off  
 Contact water services co. and ea if watercourses are contaminated



**Activity Comments**  
 Use RPE as interim pending monitoring or for one-off tasks. If LEV used, monitor to verify it controls to below the OEL

Date Printed 23/02/2023



Material/Process

CHANNEL CUBES

**MEDIUM HAZARD**  
SOLID



**Supplier** SAFECEM LIMITED  
**Keyword** Toilet Block  
**Signal Word** Warning

**Method** Pouring **Area** Outside **Exposure** 1/2 to 2 hours per shift

Activity Comments

Use RPE as interim pending monitoring or for one-off tasks. If LEV used, monitor to verify it controls to below the OEL

Control Measures

**MEDIUM ACUTE RISK - FULL EXPOSURE** **MEDIUM CHRONIC RISK - FULL EXPOSURE**  
**MEDIUM ACUTE RISK - INDIVIDUAL ACTIVITY** **MEDIUM CHRONIC RISK**



KEEP SKIN COVERED



NITRILE



AND



PORTABLE OR



FILTER TYPE P2



WASH AFTER CONTACT



IF HEAVILY SOILED



VACUUM UP DUSTS



AFTER USE



ACUTE HAZARD

Health Hazards

Causes serious eye irritation  
Suspected of causing cancer  
Very toxic to aquatic life  
May cause long lasting harmful effects to aquatic life  
May cause ill health if ingested in quantity  
Skin - irritation and dermatitis may result from prolonged contact  
When using do not eat, drink or smoke



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Date Printed 23/02/2023



**REQUEST DETAILS** #ID: 1961765 **User making request** Clive Owen

**MATERIAL DETAILS** **Material Code:** 173760

**Tradename:** CHANNEL CUBES

**MEDIUM UNCONTROLLED ACUTE RISK**

**MEDIUM UNCONTROLLED CHRONIC RISK**

**LOW CONTROLLED ACUTE/CHRONIC RISK**

**IMC** **Supplier** SAFECHEM LIMITED

#### ACTIVITY DETAILS

**Act No** 2 **Method** Pouring **Area** Outside **Exposure** 1/2 to 2 hours per shift

#### SCENARIO DETAILS **Additional work practices:**

**Approximately how much of the material is used by one person in one working day:** 5-10 litres **Frequency of use:** Daily **How many people are directly exposed?:** 2-5

**Are any other people put at risk from indirect exposure?:** No

**Are there any susceptible workers?:** No **Susceptible Categories:**

**Work Area Code** LH **Sub Area Code**

#### Other Information

Classification based upon contents stated within supplier's safety data sheet rather than upon suppliers classification

#### Considerations

Answer



Has the elimination or substitution of this material been considered?

Yes



Have you implemented the use of the engineering controls before resorting to the use of RPE?

Yes



Have users been informed, instructed and trained in the use of the relevant risk control measures?

Yes



Are all personnel provided with necessary RPE, suitably trained in its correct use, maintenance, and storage and been fit tested where required?

Yes



Are procedures to ensure the maintenance of controls in place?

Yes

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Are procedures to conduct exposure monitoring in place?

Yes

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Are specific records for inspection of control measures, exposure monitoring health and/or surveillance suitably maintained?

Yes

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Have all actions to be taken in the event of an emergency been considered?

Yes



**SAFETY DATA SHEET**  
CHANNEL CUBES

Page 1  
Issued: 29/10/09  
Revision No: 4

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

**Product name:** CHANNEL CUBES  
**Company name:** Safechem Limited  
Drum House  
Drum Industrial Estate  
Birtley  
Durham  
DH2 1SR  
Tel: 0191 4108668  
Fax: 0191 4102934  
Email: www.safechem.co.uk

**2. HAZARDS IDENTIFICATION**

**Main hazards:** Irritating to eyes. May cause long-term adverse effects in the aquatic environment.

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

**Hazardous ingredients:** 1,4-DICHLOROBENZENE 20-50%  
EINECS: 203-400-5 CAS: 106-46-7  
[Xi] R36; [Xn] R40; [N] R50/53

**4. FIRST AID MEASURES (SYMPTOMS)**

**Skin contact:** There may be mild irritation at the site of contact.  
**Eye contact:** There may be irritation and redness.  
**Ingestion:** Nausea and stomach pain may occur. There may be vomiting.  
**Inhalation:** Exposure may cause coughing or wheezing.

**4. FIRST AID MEASURES (ACTION)**

**Skin contact:** Wash off with soap and water Seek medical advice if any discomfort persists  
**Eye contact:** Bathe the eye with running water for 15 minutes. Seek medical advice if symptoms persist  
**Ingestion:** Do not induce vomiting. Wash out mouth with water. Transfer to hospital as soon as possible.  
**Inhalation:** Remove to fresh air Seek medical attention if recovery is not rapid or complete.

**5. FIRE-FIGHTING MEASURES**

**Extinguishing media:** Carbon dioxide. Alcohol or polymer foam. Dry chemical powder.  
**Exposure hazards:** In combustion emits toxic fumes.  
**Protection of fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions:** Refer to section 8 of SDS for personal protection details.  
**Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding.

[cont...]

**SAFETY DATA SHEET**

CHANNEL CUBES

**Clean-up procedures:** Absorb into dry earth or sand.

**7. HANDLING AND STORAGE**

**Handling requirements:** Ensure there is sufficient ventilation of the area.

**Storage conditions:** Store in cool, well ventilated area.

**Suitable packaging:** Must only be kept in original packaging.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Hazardous ingredients:** 1,4-DICHLOROBENZENE  
 WEL (8 hr TWA): 153 mg/m<sup>3</sup> WEL (15 min STEL): 306 mg/m<sup>3</sup>

**Engineering measures:** Ensure there is sufficient ventilation of the area.

**Respiratory protection:** Do not breathe vapour, or spray

**Hand protection:** Protective gloves.

**Skin protection:** Avoid skin contact

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**State:** Solid

**Odour:** Characteristic odour

**Solubility in water:** Insoluble

**Boiling point/range°C:** 172

**Flash point°C:** 65

**Relative density:** 1.45

**10. STABILITY AND REACTIVITY**

**Stability:** Stable under normal conditions.

**Materials to avoid:** Strong oxidising agents.

**11. TOXICOLOGICAL INFORMATION**

**Hazardous ingredients:** 1,4-DICHLOROBENZENE  
 ORL MUS LD50 2950 mg/kg  
 ORL RAT LD50 500 mg/kg  
 SKN RAT LD50 >6 gm/kg

**12. ECOLOGICAL INFORMATION**

**Mobility:** Heavier than water.

**Persistence and degradability:** Not biodegradable.

**Bioaccumulative potential:** Slightly bioaccumulable.

**13. DISPOSAL CONSIDERATIONS**

**Disposal of packaging:** Dispose of as normal industrial waste.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

**SAFETY DATA SHEET**  
CHANNEL CUBES

**14. TRANSPORT INFORMATION**

**ADR / RID**

UN no: 3077

ADR Class: 9

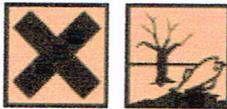
Shipping name: (1,4-DICHLOROBENZENE)

**IMDG / IMO**

**IATA / ICAO**

**15. REGULATORY INFORMATION**

**Hazard symbols:** Harmful.  
Dangerous for the environment.



**Risk phrases:** R36: Irritating to eyes.  
R53: May cause long-term adverse effects in the aquatic environment.

**Safety phrases:** S36/37: Wear suitable protective clothing and gloves.  
S2: Keep out of the reach of children.  
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

**Haz. ingredients (label):** 1,4-DICHLOROBENZENE

**Note:** The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

**16. OTHER INFORMATION**

**Other information:** The phrases below refer to the raw materials used in the formulation, not the finished product.

**Risk phrases used in s.3:** R36: Irritating to eyes.  
R40: Limited evidence of a carcinogenic effect.  
R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

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