

# SAFETY DATA SHEET

REF No. CSS760/2

Issued Nov 06

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## 1. PRODUCT AND COMPANY IDENTIFICATION:

**TRADE NAME:** CEMPROTEC SANDSEAL 760**DESCRIPTION:** Clear lacquer for coating floors and sealing sanded finishes.**COMPANY:** Flexcrete Technologies Limited, Tomlinson Road, Leyland, Lancashire, PR25 2DY, England.**EMERGENCY TELEPHONE NUMBER: +44 (0) 845 260 7005**

## 2. COMPOSITION/INFORMATION ON INGREDIENTS:\*

SUBSTANCES PRESENTING A HEALTH HAZARD WITHIN THE MEANING OF THE CHEMICALS (HAZARD INFORMATION &amp; PACKAGING) REGULATIONS

INGREDIENT	CONCENTRATION %	CAS NUMBER	HAZARD	R. PHRASES
Isophorone diisocyanate	< 2	4098-71-9	Xn	R20-42/43-52/53
Xylene	< 10	1330-20-7	Xn	R10-20/21
Solvent Naphtha	< 20	64742-95-6	Xn	R52/53-65

R10 : Flammable.  
R20/21 : Harmful by inhalation and in contact with skin.  
R42/43 : May cause sensitisation by inhalation and skin contact.  
R52/53 : Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R65 : Harmful: May cause lung damage if swallowed.

## 3. HAZARD IDENTIFICATION:

Main hazard: Flammable  
Contains isocyanates. See information supplied by the manufacturer (in this Safety Data Sheet).

S23-36/37-45-62 see section 15

The ventilation of areas close to the application area must be considered in the same way as that of the immediate work area. Do not allow fumes into open windows or ventilation systems.

## 4. FIRST AID MEASURES:

Never give anything by mouth to a person who is unconscious or having convulsions.

**INHALATION:** Remove to fresh air, keep warm and at rest. If breathing is irregular or stopped, administer artificial respiration. If unconscious, place in the recovery position and seek medical advice.

**SKIN CONTACT:** Remove contaminated clothing. Wash immediately with soap and water or a proprietary compound. Do NOT use solvents or thinners.

**EYE CONTACT:** Rinse immediately with plenty of water and seek medical advice. Contact lenses should be removed if safe to do so.

**INGESTION:** If swallowed drink 1 or 2 glasses of clean water and obtain immediate medical attention. Keep at rest. Do NOT induce vomiting. If taken into mouth and not swallowed, swill out with clean water.

Note If condition persists, seek medical advice.

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**5. FIRE FIGHTING MEASURES:**

**SUITABLE EXTINGUISHER MEDIA:** Apply carbon dioxide, dry powder or foam. Do not use water jet. A solid stream of water directed into hot, burning liquid can cause splattering.

**EXPOSURE HAZARDS:** Flammable. May decompose and produce peroxides giving off noxious fumes. Cool closed containers exposed to fire with water spray. Do not allow run off to enter drains or water courses.

**SPECIAL PROTECTIVE EQUIPMENT:** Use air fed breathing apparatus.

**6. ACCIDENTAL RELEASE MEASURES:**

**PERSONAL PRECAUTIONS:** Exclude all sources of ignition and ventilate the area. Exclude non essential personnel. Wear protective equipment as specified in section 8. Avoid contact with liquid or vapours. Avoid contact with eyes.  
**SEE "EXPOSURE CONTROLS/PERSONAL PROTECTION"**

**ENVIRONMENTAL PRECAUTIONS:** Avoid material entering drainage system. Avoid discharge to sewers or natural waters. If large quantities are spilled, contact the Environment Agency on the free 24 hour emergency hotline: 0800 80 70 60

**CLEANING UP METHODS:** Collect for disposal. Soak or wipe bulk with non combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in suitable container. The contaminated area should be cleaned up immediately with a suitable decontaminant. One possible (flammable) decontaminant comprises; water (45 parts by volume)/ethanol or isopropanol (50 parts)/concentrated (d: 0.88) ammonia solution (5 parts). Add the same decontaminant to any residue and allow to stand for several days in a non sealed container until no further reaction occurs. Once this reaction stage has been reached, close the container and dispose of in accordance with the waste regulations. (See section 13). Incinerate in a furnace where permitted under appropriate national and local regulations  
Avoid using anything mentioned in section 10 "Materials to Avoid".  
**SEE "DISPOSAL CONSIDERATIONS"**

**7. HANDLING AND STORAGE:**

**HANDLING:** Take precautionary measures against static discharges. Keep away from sources of ignition - No smoking. Do not breathe fumes / vapour / spray. In case of insufficient ventilation, wear suitable respiratory equipment. Persons with a history of skin sensitisation problems should not be employed in a situation where skin contact with this product could occur, nor should those with asthma or similar disorders be exposed to the vapour or spray mist. Good standards of industrial and personal hygiene should be observed. When spraying use mask and gloves as advised in section 8. Provide adequate ventilation, including forced ventilation in confined spaces. Where reasonably practical this should be achieved by the use of local exhaust ventilation and good general extraction.

**STORAGE:** Containers should always be kept upright and tightly sealed to avoid leaking. Open only when ready for use and reseal part used containers after use. Store in a well labelled container, preferably the original container. Refer to HS(G)51 publication on storage of flammable liquids.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION:\***

**WORKPLACE EXPOSURE LIMITS EH40/2005 (Check current edition of EH40 to ensure limits have not changed)**

TWA - Time Weighted Average

STEL - Short Term Exposure Limit

INGREDIENT		REFERENCE PERIOD			
		8 hour TWA		15 minutes STEL	
		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Isocyanate	Sen	-	0.02	-	0.07
Xylene	Sk	50	220	100	441
Methoxy propyl acetate	Sk	50	274	100	548
Propyl acetate		200	849	250	1060

**BIOLOGICAL MONITORING GUIDANCE VALUES:**

Xylene	650 mmol methyl hippuric acid/mol creatinine in urine. Post shift.
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**RESPIRATORY:** When using any isocyanate based product, respiratory protection is required. In tanks and confined spaces an air fed mask is essential. In areas of better extraction or in the open air, air fed mask is still preferred. In situations where this may not be possible and ventilation and/or extraction is efficient, a full face mask with an AX filter may be used for a limited period of time. At all times ensure that there is no risk of exceeding the maximum exposure limit stated above. This applies not only to the user, but to all people who cannot be vacated from the work area.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION: (continued)

- HAND:** Use suitable protective gloves. Suitable types are pvc, neoprene or nitrile. Other types may be available and used, avoid those which soak up the product and lead to skin contact. If in doubt seek advice from a reputable manufacturer. Barrier creams may help to protect exposed areas but are not substitutes for full physical protection. They should not be applied once exposure has occurred. Gloves may degrade or be damaged according to different circumstances of use. Always ensure gloves you are using are in good condition.
- EYE:** Wear eye protection designed to protect against liquid splashes, e.g. complete enclosure of the eyes (EN 1166 Chemical Grade)
- SKIN:** Cotton or cotton/synthetic overalls or coveralls are normally suitable. Grossly contaminated clothing should be removed and the skin washed with soap and water or a proprietary skin cleaner.

**ALL PERSONAL PROTECTION EQUIPMENT MUST BE SELECTED TO MEET THE REQUIREMENTS OF THE COSHH REGULATIONS.**

## 9. PHYSICAL AND CHEMICAL PROPERTIES:

<b>APPEARANCE:</b>	clear, slightly viscous liquid	<b>SPECIFIC GRAVITY:</b>	1 – 1.1
<b>ODOUR:</b>	sweet and petroleum-like	<b>SOLUBILITY IN WATER:</b>	immiscible
<b>FLASH POINT:</b>	circa 32°C	<b>VISCOSITY @ 20°C:</b>	400 – 600 cPs
<b>FLAMMABILITY:</b>	flammable	<b>GARDNER COLOUR:</b>	<2
<b>SOLIDS CONTENT:</b>	60%		

## 10. STABILITY AND REACTIVITY:

**STABLE UNDER NORMAL CONDITIONS OF STORAGE (SEE "HANDLING AND STORAGE")**

- MATERIALS TO AVOID:** Keep away from oxidising agents and strongly alkaline and strongly acidic materials. Uncontrolled exothermic reactions occur with amines and alcohols.
- HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon (sooty) deposits plus carbon monoxide and dioxide, oxides of nitrogen, hydrogen cyanide, amines and alcohols may be produced.

## 11. TOXICOLOGICAL INFORMATION:

- INHALATION:** Harmful by inhalation and based on the available properties of the isocyanate content of this product, respiratory exposure may cause acute irritation and/or sensitisation of the respiratory system, resulting in asthmatic symptoms, wheezing and a tightness of the chest. Sensitised persons may subsequently show asthmatic symptoms when exposed to airborne concentrations of isocyanates well below the occupational exposure limit. Repeated exposure may lead to permanent respiratory disability. Exposure to organic vapours may result in adverse health effects such as irritation of the mucus membrane and the respiratory system and adverse effects on the renal and central nervous systems. Symptoms include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases loss of consciousness.
- SKIN:** Harmful in contact with skin. May cause sensitisation by skin contact. Repeated or prolonged contact with the product may lead to removal of natural fats from the skin resulting in non-allergic contact dermatitis and absorption through the skin.
- EYE:** Splashes may cause irritation and reversible local damage.
- INGESTION:** If accidentally swallowed would cause discomfort and require plenty of clean water to dilute. Keep at rest. Do NOT induce vomiting

The engineering controls and personal protection equipment advised in this Safety Data Sheet are to ensure the occupational exposure limits are not exceeded. Should this happen to anybody within the affected area, there could be delayed adverse health effects.

## 12. ECOLOGICAL INFORMATION:

There is no data on the product itself, but it should not be allowed to enter drains or water courses. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment  
The Air Pollution Control requirements of regulations made under the Environmental Protection Act may apply to this product.

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### 13. DISPOSAL CONSIDERATIONS:

Residues of emptied containers should be neutralised with decontaminant (see section 6).

Do not allow into drains or water courses or dispose of where ground or surface waters may be affected. Wastes, including emptied containers, are controlled wastes and should be disposed of in accordance with the regulations made under the Control of Pollution Act and the Environmental Protection Act. (Using information provided in this data sheet, advice should be obtained from the Waste Regulation Authority whether the special regulations apply).

It is recommended that any surplus of the product should be disposed of by incineration.

#### DISPOSE OF IN ACCORDANCE WITH LOCAL AND NATIONAL REGULATIONS

Further information on disposal methods and contractors is available from the National Association of Waste Disposal Contractors.

Tel: 020 7824 8882

Fax: 020 7824 8753

### 14. TRANSPORT INFORMATION:

<b>UN:</b>	1866 Resin Solution (solvent naphtha and xylene)	<b>Marine Pollutant:</b>	Contains solvent naphtha (petroleum) light aromatic
<b>IMDG:</b>	Class 3 pg III (Note: Dangerous Goods Note must bear the phrase "Transport in accordance with 2.3.2.5 of the IMDG code". (consignment will be exempt from the marking, labelling and UN packaging requirements))	<b>EmS:</b>	F-E, S-E
<b>IATA</b>	Class 3 pg III Flammable Liquid		
<b>ADR:</b>	Not hazardous		

### 15. REGULATORY INFORMATION:

<b>EC HAZARD CLASSIFICATION:</b>	Xn Harmful Xi Irritant
<b>RISK PHRASES:</b>	R10 : Flammable. R20/21 : Harmful by inhalation and in contact with skin. R42/43 : May cause sensitisation by inhalation and skin contact. R52/53 : Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment R65 : Harmful: May cause lung damage if swallowed.
<b>SAFETY PHRASES:</b>	S23 : Do not breathe fumes/vapour/spray. S36/37 : Wear suitable clothing and gloves. S45 : In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). S62 : If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

Contains isocyanates. See information supplied in this Safety Data Sheet.

**OCCUPATIONAL EXPOSURE LIMITS AND STANDARDS ARE ADVISED IN PUBLICATION EH40 FROM THE HSE FOR THE PURPOSE OF REGULATION 7(1) OF THE COSHH REGULATIONS.**

### 16. OTHER INFORMATION:

<b>TRAINING ADVICE:</b>	The user should be trained to handle the product to be fully aware of the reactions and hazards. The normal precautions relating to handling chemicals must be observed.
<b>RECOMMENDED USES:</b>	The product is only supplied for use in accordance with uses listed in section 1. (clear lacquer surface coating)
<b>DATA SOURCES:</b>	EH40/2005 Occupational Exposure Limits 2005. Control of Substances Hazardous to Health Regulations 1988.

**THIS SAFETY DATA SHEET FOLLOWS THE REQUIREMENTS OF DIRECTIVE 93/112/EEC. THE INFORMATION CONTAINED HEREIN IS CORRECT TO THE BEST OF OUR KNOWLEDGE AT THE DATE OF PUBLICATION AND NO LIABILITY CAN BE ACCEPTED FOR ANY LOSS, INJURY OR DAMAGE RESULTING FROM ITS USE. IT IS INTENDED AS A GUIDE FOR THE SAFE HANDLING, STORAGE AND USE UNDER NORMAL CONDITIONS, BUT IT DOES NOT NECESSARILY REFER TO THE PARTICULAR REQUIREMENT OF THE CUSTOMER WHEN FURTHER ADVICE SHOULD BE OBTAINED.**