

# SAFETY DATA SHEET

REF No. FDEGR/2

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## 1. PRODUCT AND COMPANY IDENTIFICATION:

**TRADE NAME:** FLEXCRETE DEGREASANT**DESCRIPTION:** A blend of petroleum distillates and selected non-caustic surfactants.**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 1994.

INGREDIENT	CONCENTRATION % ww	CAS NUMBER	HAZARD	R. PHRASES
Xylene	1-10	1330-20-7	Xn	R10, 20/21, 38
1:2:4 Trimethylbenzene	30-50	95-63-6	Xn, N	R10,20, 36/37/38, 51/53
Solvent Naphtha (petroleum) Light Aromatic	50-70	64742-95-6	Xn, N	R65, 66, 67, 51/53
Mesitylene	1-10	108-67-8	Xi, N	R10, 37, 51/53

## 3. HAZARD IDENTIFICATION:

Flammable Liquid N.O.S. 309 (P & CA); 310 (CAO)  
Harmful  
Dangerous for the environment

Contains 1:2:4 Trimethylbenzene

S61 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:\*

**INHALATION:** Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.**SKIN CONTACT:** Wash skin with soap and water as soon as reasonably practicable. Remove contaminated clothing for laundering and wash underlying skin. Seek medical attention if irritation persists.**EYE CONTACT:** Bathe the eye with running water for 15 minutes. Consult a doctor.**INGESTION:** Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Consult a doctor...

## 5. FIRE FIGHTING MEASURES:\*

**SUITABLE EXTINGUISHER MEDIA:** Alcohol or polymer foam. Carbon dioxide. Dry chemical powder. Use water spray to cool containers.**EXPOSURE HAZARDS:** Flammable. In combustion emits toxic fumes. Forms explosive air-vapour mixture.**PROTECTION OF FIRE-FIGHTERS:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

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**6. ACCIDENTAL RELEASE MEASURES:\***

**PERSONAL PRECAUTIONS:** If outside do not approach from downwind.  
If outside keep bystanders upwind and away from danger point.  
Mark out the contaminated area with signs and prevent access to unauthorised personnel.  
Turn leaking containers leak-side up to prevent the escape of liquid.  
Eliminate all sources of ignition.

**SEE "EXPOSURE CONTROLS/PERSONAL PROTECTION"**

**ENVIRONMENTAL PRECAUTIONS:** Do not discharge into drains or rivers. Contain the spillage using bunding.

**CLEANING UP METHODS:** Absorb into dry earth or sand.  
Transfer to a closable, labelled salvage container for disposal by an appropriate method.  
Do not use equipment in clean-up procedure which may produce sparks.  
**SEE "DISPOSAL CONSIDERATIONS" and "STABILITY AND REACTIVITY"**

**7. HANDLING AND STORAGE:\***

**HANDLING:** Avoid direct contact with the substance.  
Ensure there is sufficient ventilation of the area.  
Do not handle in a confined space.  
Avoid the formation or spread of mists in the area.  
Smoking is forbidden.  
Use non-sparking tools.

**SEE "EXPOSURE CONTROLS/PERSONAL PROTECTION"**

**STORAGE:** Store in cool, well ventilated area.  
Keep container tightly closed.  
Keep away from sources of ignition.  
Prevent the build up of electrostatic charge in the immediate area.  
Ensure lighting and electrical equipment are not a source of ignition.

**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 (OES)			
	8 hour TWA		15 minutes STEL	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Xylene	-	220	-	441
1,2,4-Trimethylbenzene	-	100	-	200
Mesitylene	25	-	-	-

**ENGINEERING MEASURES:** Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition.

**RESPIRATORY:** Normal conditions of ventilation are usually adequate. Use a respirator when using in confined areas with inadequate ventilation or wherever there is any risk of the exposure limits being exceeded. This applies not only to the user, but to all people who cannot be vacated from the work area.

**HAND:** Use gloves/gauntlets. Gloves may degrade or be damaged according to different circumstances of use. Always ensure gloves you are using are in good condition. 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.

**EYE:** Eye protection designed to protect against liquid splashes, conforming to EN 1166 Chemical Grade, should be worn when there is risk of material entering the eye.

**SKIN:** Wear suitable overalls. Remove grossly contaminated clothing and wash skin with plenty of clean water. Practice good personal hygiene.

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

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**9. PHYSICAL AND CHEMICAL PROPERTIES:\***

<b>APPEARANCE:</b>	colourless liquid	<b>ODOUR:</b>	aromatic
<b>EVAPORATION RATE:</b>	moderate	<b>SOLUBILITY IN WATER:</b>	miscible
<b>ALSO SOLUBLE IN:</b>	most organic solvents	<b>VISCOSITY:</b>	non-viscous
<b>BOILING POINT/RANGE:</b>	160 – 180°C	<b>FLAMMABILITY LIMITES %:</b>	
		<b>Lower:</b>	0.8
		<b>Upper:</b>	7.5
<b>FLASH POINT:</b>	45°C	<b>AUTO-IGNITION TEMPERATURE:</b>	450°C
<b>VAPOUR PRESSURE:</b>	0.29 kPa	<b>RELATIVE DENSITY:</b>	0.885

**10. STABILITY AND REACTIVITY:\***

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

**CONDITIONS TO AVOID:** Heat. Hot surfaces. Sources of ignition. Flames.

**MATERIALS TO AVOID:** Strong oxidising agents. Strong acids.

**HAZARDOUS DECOMPOSITION PRODUCTS:** In combustion emits toxic fumes.

**11. TOXICOLOGICAL INFORMATION:\***

<b>HAZARDOUS INGREDIENTS:</b>	Xylene – ORL MUS LD50 2119mg/kg ORL RAT LD50 4300mg/kg SCU RAT LD50 1700mg/kg
	1,2-4 Trimethylbenzene - IPR RAT LDLO 1752mg/kg ORL RAT LD50 5gm/kg
	Mesitylene - IPR GPG LDLO 1303mg/kg

**ROUTES OF EXPOSURE:** Refer to Section 4 "First Aid Measures".

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 anyone within the affected area, there could be delayed adverse health effects.

**12. ECOLOGICAL INFORMATION:\***

<b>MOBILITY:</b>	Readily absorbed into soil.
<b>PERSISTENCE AND DEGRADABILITY:</b>	Biodegradable.
<b>BIOACCUMULATIVE POTENTIAL:</b>	No bioaccumulation potential.
<b>OTHER ADVERSE EFFECTS:</b>	Negligible ecotoxicity.

**13. DISPOSAL CONSIDERATIONS:**

This material must be disposed of via an authorised waste disposal company.

**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

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**14. TRANSPORT INFORMATION:\***

<b>UN:</b>	1993 Flammable Liquid N.O.S.	<b>LABELLING:</b>	3
<b>HAZARD ID No.:</b>	30	<b>IMDG:</b>	Class 3.3 pg III
<b>EmS:</b>	F-E,S-E	<b>IATA:</b>	Class 3 pg III
<b>ADR:</b>	Class 3 pg III F1	<b>PACKING INSTRUCTIONS:</b>	309 (P & CA); 310 (CAO)

**15. REGULATORY INFORMATION:\***

<b>EC HAZARD CLASSIFICATION:</b>	Xn N	Harmful Dangerous for the environment
<b>RISK PHRASES:</b>	R10 R20 R36/37/38 R51/53  R65 R66	: Flammable. : Harmful by inhalation. : Irritating to eyes, respiratory system and skin : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. : Harmful; may cause lung damage if swallowed. : Repeated exposure may cause skin dryness or cracking.
<b>SAFETY PHRASES:</b>	S1	: Avoid release into the environment. Refer to Special Instructions/Safety Data Sheet.

**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.

**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 normal precautions relating to handling chemicals must be observed.
<b>RECOMMENDED USES:</b>	Removal of grease, oils and organic material from concrete substrates.
<b>COMPILED BY:</b>	C.G. Lloyd, Director
<b>DATA SOURCES:</b>	EH40/2005 Occupational Exposure Limits 2005. HSE Guidance Note EH44; Dust in the Workplace: General Principles of Protection. Control of Substances Hazardous to Health Regulations 1995.

**THIS SAFETY DATA SHEET FOLLOWS THE REQUIREMENTS OF DIRECTIVE 93/112/EC. 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.**