

SAFETY DATA SHEET

REF No. FCHEM/2

Issued Nov 06

PAGE 1 OF 4

1. PRODUCT AND COMPANY IDENTIFICATION:

TRADE NAME: FLEXCRETE CHEMICAL RELEASE AGENT**DESCRIPTION:** Blend of aromatic solvent and fatty acids of vegetable origin.**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 & PACKAGING) REGULATIONS 1994.

INGREDIENT	CONCENTRATION %	CAS NUMBER	HAZARD	R. PHRASES
Premium kero/paraffin	30-50		Xn	R10-22
R10	Flammable			
R22	Harmful if swallowed			

3. HAZARD IDENTIFICATION:*

Flammable. Flash Point 45°C
Harmful if swallowed

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.

S23C-24-62 See section 15

4. FIRST AID MEASURES:*

INHALATION: For effects produced by over-exposure, move to fresh air. If breathing is difficult, qualified personnel may administer oxygen.**SKIN CONTACT:** Wash skin with soap and water as soon as reasonably practicable. Remove heavily contaminated clothing for laundering and wash underlying skin.**EYE CONTACT:** Immediately wash eye thoroughly with plenty of clean water ensuring lids are held open. Obtain medical attention if irritation persists.**INGESTION:** Do not induce vomiting. Get medical attention.

5. FIRE FIGHTING MEASURES:*

SUITABLE EXTINGUISHER MEDIA: Water fog, dry chemical powder, alcohol or polymer foam, carbon dioxide. Use water spray to cool containers. If a leak or spill has not ignited, use water fog to disperse the vapours and to provide protection for personnel attempting to stop leak. NEVER USE WATER JET.**EXPOSURE HAZARDS:** Vapour may travel considerable distance to source of ignition and flash back. Flowing product can generate static electricity and cause fire or explosion if a spark occurs in a flammable vapour-air atmosphere. When handling, use non-sparking tools, ground and bond all containers.**SPECIAL PROTECTIVE EQUIPMENT:** The nature of special protective equipment required will depend upon the size of fire, the degree of confinement of the fire and the natural ventilation available. Fire-resistant clothing and self-contained breathing apparatus is recommended for fires in confined spaces and poorly ventilated areas. Full fire-proof clothing is recommended for any large fire involving this product.

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6. ACCIDENTAL RELEASE MEASURES:*

PERSONAL PRECAUTIONS: Eliminate all sources of ignition.
Ventilate.
If outside, keep bystanders upwind and away from danger point.
SEE "EXPOSURE CONTROLS/PERSONAL PROTECTION"

ENVIRONMENTAL PRECAUTIONS: Prevent entry into drains, sewers and water courses.

CLEANING UP METHODS: Small spills, soak up with absorbent granules, sand or earth and collect solids into suitable, marked container for proper disposal.
Large spills should be contained by bunding area using absorbent granules, booms, sand or earth.
Do not use equipment in clean-up procedure which may produce sparks.
SEE "DISPOSAL CONSIDERATIONS" and "STABILITY AND REACTIVITY"

7. HANDLING AND STORAGE:*

HANDLING: Ensure there is sufficient ventilation of the area.
Use spark-proof tools.
This product may contain volatile hydrocarbons which may accumulate in the container headspace, thereby creating a flammable or explosive atmosphere.
SEE "EXPOSURE CONTROLS/PERSONAL PROTECTION"

STORAGE: Store in cool, well ventilated area. Keep away from sources of ignition.

SUITABLE PACKAGING: Tanks and vessels that comply with the Oil Storage Regulations.

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 ³	ppm	mg/m ³
Premium Kero/Paraffin	---	5	---	10

RESPIRATORY: If operations are such that excessive levels of vapours, mists or fumes are generated, and operators are unavoidably exposed, then suitable respiratory equipment should be provide.

HAND: Gloves (oil-resistant).

EYE: Wear face visor or protective goggles/safety/glasses where eye contact can accidentally occur.

SKIN: Oil-resistant protective clothing.

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

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9. PHYSICAL AND CHEMICAL PROPERTIES:*

APPEARANCE:	pale yellow liquid	EVAPORATION RATE:	moderate
ODOUR:	characteristic odour	SOLUBILITY IN WATER:	insoluble
ALSO SOLUBLE IN:	most organic solvents	VISCOSITY:	non-viscous
VISCOSITY VALUE:	<7cSt	VISCOSITY TEST METHOD:	Kinematic viscosity In 10-6m ² /s at 40°C (ISO 3104/3105)
BOILING POINT/RANGE:	150-300°C	FLASH POINT:	45°C
AUTO-FLAMMABILITY:	190°C	RELATIVE DENSITY:	0.85

10. STABILITY AND REACTIVITY:*

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

CONDITIONS TO AVOID:	Flames. Hot surfaces. Sources of ignition.
MATERIALS TO AVOID:	Strong oxidising agents.
HAZARDOUS DECOMPOSITION PRODUCTS:	May contain oxides of carbon. Incomplete combustion or thermal decomposition may be expected to generate such materials as particulate matter and unburnt hydrocarbons.

11. TOXICOLOGICAL INFORMATION:*

CHRONIC TOXICITY: Repeated and prolonged skin contact may lead to skin disorders.

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:*

MOBILITY:	Spillages may penetrate the soil causing ground water contamination.
PERSISTENCE AND DEGRADABILITY:	Mineral oil will biodegrade slowly in aerobic water and sediments, and is considered to be ultimately biodegradable, but it can be persistent in anaerobic conditions.
BIOACCUMULATIVE POTENTIAL:	Evidence for moderate degree of bioaccumulation.
OTHER ADVERSE EFFECTS:	Some short term toxicity to aquatic and marine organisms.

13. DISPOSAL CONSIDERATIONS:

This material must be disposed of via an authorised waste disposal company. Packaging may be re-used following de-contamination.

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:*

UN:	1993 Flammable liquid, NOS	LABELLING:	3
IMDG :	Class 3 PG III	EmS:	F-E, S-E
IATA:	Class 3 pg III	Packing Instructions:	308 (P&CA): 310 (CAO)
ADR:	Class 3 pg III F1	Hazard ID No.:	30

15. REGULATORY INFORMATION:

EC HAZARD CLASSIFICATION: Harmful

RISK PHRASES: R10 : Flammable.
R22 : Harmful if swallowed.

SAFETY PHRASES: S43A : In case of fire use sand, earth, carbon dioxide, chemical powder or foam. DO NOT USE WATER.
S23C : Do not breathe vapour/spray.
S24 : Avoid contact with skin.
S62 : If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

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:

TRAINING ADVICE: The normal precautions relating to the handling of chemicals must be observed.

RECOMMENDED USES: To give optimum release to formwork when using Flexcrete Repair Mortars.

COMPILED BY: C.G. Lloyd, Director.

DATA SOURCES: 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.