

TECHNICAL DATA SHEET



Solexin

TECHNIX

SAFETY FIRST BITUMEN

ENVIROCUTTER®

IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE SUPPLIER

Product Name:	Technix EnviroCutter®
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Recommended Use:	Viscosity reduction of bitumen

PRODUCT DESCRIPTION: (Non-Hazardous Goods)

EnviroCutter is a solvent made up of esters with a high flashpoint. It is used as a cutter in sprayed sealing applications to temporarily lower the viscosity of standard grades of bitumen.

EnviroCutter, as the name suggests, is an environmentally friendly cutter oil as it is readily biodegradable. EnviroCutter (Flash Point, above 95 °C) evaporates at a similar rate to kerosene cutter (Flash Point, around 43 °C). After the cutter oil has been fully evaporated from the binder, the viscosity of the binder will be restored back to near its original state over time.

The rate of evaporation of EnviroCutter will depend on several factors such as the composition of bitumen used, spraying temperature, ambient temperature, humidity, the binder application rate and film thickness.

Note: EnviroCutter is not classified as hazardous. However, it is a combustible liquid, which can ignite when exposed to fire and oxygen, or when exposed at temperatures above its auto-ignition temperature. The auto-ignition temperature of EnviroCutter is approximately 300°C. Expiry date is twelve months after date of manufacture.

HEALTH AND SAFETY:

When used properly in the recommended application, EnviroCutter is unlikely to cause any significant health or safety hazard. See the relevant Safety Data Sheet for further information regarding EnviroCutter health and safety.

PHYSICAL AND CHEMICAL PROPERTIES:

PROPERTY	TEST METHOD	VALUES
Appearance	Visual	Clear liquid
Density at 15°C, kg/l	ASTM D4052	Below 1.05
Viscosity at 40°C, cSt	ASTM D445	Below 2.5
Flash point, °C	ASTM D93-11	Above 95 °C
Boiling point range, °C	ASTM D86A	190 – 330 °C
Water content, weight %	IP 438	Below 0.15

HANDLING AND STORAGE

Handling Precautions:

Combustible liquid. Avoid naked flames. The vapour is heavier than air, spreads along the ground and distant ignition is possible. Prevent spillage, never siphon by mouth. Use in well ventilated areas and ensure all equipment is properly bonded. Take precautionary measures against static discharges. Provide water supplies, eye washes and showers near the point of use. Avoid contact with skin, eyes and respiratory system. Smoking, eating and drinking should be prohibited in the application area. Wear personal protective equipment when handling. Used working clothes should not be worn outside the work area. Wash hands before breaks and after work.

Storage Precautions:

This product must never be stored in building occupied by people. Keep drums and small containers tightly closed in a cool, well ventilated place away from direct sunlight and other heat or ignition sources. The storage temperature from 15 °C to 25 °C is recommended. Stack drums to a height not exceeding 3 metres without the use of racking. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Seek specialist advice for design, construction and operation of bulk storage facilities. Carbon, or type 304 or 316 stainless steel is the recommended material for storage and pumping. Specialist advise should be obtained for pump seals - as an example Teflon or PTFE are suitable.

Product Transfer:

Electrostatic charges may be generated during pumping. Ensure electrical continuity by bonding all equipment.