

BARC – Bitumen Remover and Super Heavy Duty Degreaser

Envirozone

TECHNICAL DATA SHEET

Historically it has been customary to use organic solvents such as kerosene to remove asphalt and bitumen deposits, these are however potentially a health hazard and have a major environmental impact. A great deal of care is required in handling these volatile solvents and there are many difficulties associated with their disposal.

New chemical technology has enabled us to develop a product which reacts quickly with the asphalt and bitumen, releasing these substances from surfaces and holding them in solution.

The used solutions have a high calorific value and may be reused in suitable facilities, Alternatively the removed materials can be separated from the product and disposed of without concerns about pollution.

Composition / Ingredients

The main ingredients are derived directly from natural edible plant oils. No synthetic derivatives, no volatile organic compounds or customary solvents.



BITUMEN AND ASPHALT

There is now an alternative to using kerosene and other harmful solvents to remove over poured or bitumen spray from all porous surfaces. The process is simple with the plant derived BARC penetrating deep into the surface to release and lift the asphalt, this is achieved in a far safer manner and without the use of any carcinogenic and toxic chemicals.

Methodology:

Scrape off excess bitumen where possible using floor scraper and wire brush

Ensure the kerb stone and other surfaces are dry

Apply B.A.R.C – Bitumen and Asphalt Remover & Cleaner to affected kerbs using hand pump sprayer or paint brush as appropriate to stain

Allow to penetrate for 15/20 minutes

Pressure wash kerbs using hot or cold water

Repeat steps 2 – 4 as necessary until bitumen is removed

If a “shadow” of BARC is left on the surface follow steps 7-8

Apply and brush with kerb rinse at 1:20 parts water

Pressure wash kerbs using hot or cold water

Upon coming into contact with water BARC becomes inert, it is essential that the surface is dry before BARC is applied.



BARC is a highly effective, low cost environmental solution for removing bitumen, asphalt and heavy grease.

MODE OF ACTION

The molecular similarities between the asphalt, bitumen and BAC will allow fast penetration between contaminant at and the surface to be cleaned. BAC creates an active liquid layer, which physically lifts the asphalt or bitumen from the surface. BAC is also substantive to surfaces, leaving an invisible molecular film, which will inhibit the further build up of asphalt or bitumen. This makes future cleaning easier, saving on time and costs.

- Works by dissolving the asphalt and bitumen - although based on oils from vegetable sources the product is chemically similar, this facilitates the dissolving process.
- BAC contains the latest technology organic surfactants and will leave the surfaces cleaned without any visible residue when rinsed with clean water.

SUMMARY

- BAC is safe and easy to use.
- 100% biodegradable.
- Requires no mixing.
- Can coat as well as clean when required.
- No odour.
- Will not burn under normal circumstances due to high flash point.
- Effective with most oils and similar soils.

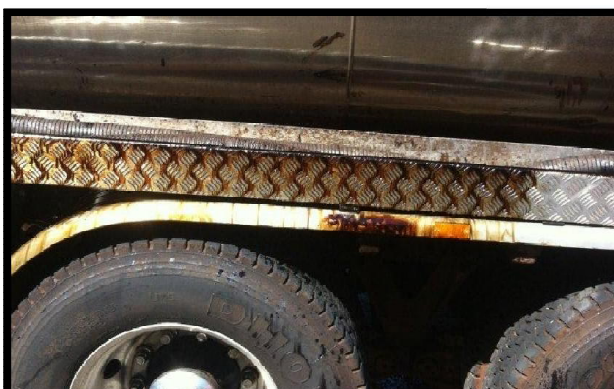
USES

- Can be used for coating as well as cleaning equipment.
- The viscosity means that it is very good for cleaning down machines and tools, can be applied in enclosed situations.
- No specialised ventilation is required as does not emit any carcinogenic fumes.
- Being compatible with most oils, both synthetic and natural it can also be used for cleaning workshop and factory floors. This also applies to spillages of bitumen on kerbs and pavements.

ENVIRONMENTAL FACTS

With the increasing concern on the dangers to the environment BAC has been specifically designed to be both chemically and biologically degradable. This means that natural microbes can use the material for nutrition, effectively breaking it down into non-polluting components.

- 100% biodegradable as the product is derived from edible oil sources.
- Has a very high flashpoint > 150 °C - therefore easy to use around working machinery.
- Does not require pre-dilution with water.
- No carcinogenic problems with use.



Envirozone Ltd.

PO Box 363

Drury 2247

P:027 834 2753

email:envirozone@xtra.co.nz