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Quattro Fibreflux 2000 Product Data Sheet

Application / Description

Quattro Fibreflux 2000 is the solution to the problem of oil and chemical spills. It consists of a super absorbent and completely natural cellulose organic fibre. The fibre is also non-toxic, biodegradable and non-leaching. Thus Quattro Fibreflux 2000 is one of the most environmentally friendly solutions to hazardous chemical spills available. Quattro Fibreflux 2000 has been specifically designed to meet today's modern and stringent requirements of the international ISO 14001 safety & environmental control management system.

Simply scatter Quattro Fibreflux 2000 on the relevant spill and allow some time to absorb the hazardous waste. Subsequent sweeping or scooping up of the absorbed fibre will again render a clean and non-hazardous surface environment. Quattro Fibreflux 2000 can be applied on to hard surfaces, earth and even on water. Floating oil or chemical spills are eradicated by scattering Quattro Fibreflux 2000 on to the surface of the contaminating oil surface and allowing to soak in. The resulting absorption forms a soft cake that is easily removed manually or with wet suction for an environmentally clean and non-hazardous water surface.

Due to the unique encapsulating properties of Quattro Fibreflux 2000, the resultant absorbed fibre will retain the hazardous spill indefinitely. On standing the spent Quattro Fibreflux 2000 will not allow the absorbed hazardous spill to leach out again into the environment. Quattro Fibreflux 2000 can absorb up to 2000% by weight of oil. By any standard this represents a most economical, efficient, non-abrasive, non-toxic, non-leaching solution to general hazardous spills.

Fibreflux versus Other Solid/Powder Oil/Solvent Absorbers

This paper serves to inform the reader of actual reproducible test results conducted on Fibreflux 2000 versus three other major products. We will confine our attention to the following aspects:

1. Absorbent Capacity
2. Leaching Capacity
3. Cost And Cost Affectivity
4. Application During Wet Conditions
5. Fire Retardency

1. Absorbent Capacity

Competitor products based on imported peat moss claim anything from 600 – 1200% absorption of oil, by weight of absorptive material. Using used motor car engine oil from the sump we have confirmed these claims. However, performing the identical test with Quattro Fibreflux 2000, results in absorption of 2000 – 2500% by weight.

Until today that this publication has been compiled and reached your attention, we have not found any competitor product whose absorption exceeds 1200% absorption of used engine oil. Our trained sales/technical representatives are ready and equipped to do a demonstration at your premises with a choice of your oils or solvents. Bear in mind that different oils/solvents are absorbed with varying capacities. Therefore it is ideal to test a competitor product using the same test, at the same time on the **identical** sample of oil/solvent.

2. Leaching Capacity

Quattro Fibreflux 2000 does not allow absorbed product to leach out back into the environment any less than any competitor product. On the contrary, because it has a far higher absorptive capacity, the resulting absorbed mixture is less 'wet' compared to that of a competitor product, all factors equivalent.

3. Cost And Cost Affectivity

Quattro Fibreflux 2000 is generally significantly cheaper than most competitor products for the same volume of product applied. Furthermore, since it absorbs about double the volume/mass of contaminant it works out to be more than double in cost affectivity. The result is a reduction in product cost by approximately 50%.

4. Fire Retardency

As other peat moss products Quattro Fibreflux 2000 does not support burning from a naked flame.

Disposal and Bio-Degradability

After use the spent Quattro Fibreflux 2000 can be disposed in to the relevant class of waste disposal site. Consult local disposal regulations with the relevant authorities. Alternatively, it can be incinerated at an approved site to a residue of less than 2% of its original volume, excluding the absorbed hazardous spill.

Hazardous Substances Absorbed By Quattro Fibreflux 2000

Some of the substances absorbed by Quattro Fibreflux 2000 are listed below:

Aromatics	Hydrocarbons	Alcohol Ethers	Miscellaneous
Benzene	Cyclohexane	Butanol	Paint
Toluene	Diesel	Ethyl Ether	Animal Fats
Xylene	Heptane	Ethylene Glycol	Vegetable Oils & Fats
	Hexane	Isobutanol	Blood
Chlorinated Solvents	Hydraulic Oils	Isopropanol	Caustic Soda
Chloroform	Jet Fuel	Methanol	Acetone
Dichloromethane	Paraffin	Propanol	Brake Fluids
Methylene Chloride	Motor Oil	Butyl Acetate	Cutting Oils
Trichloroethylene	Paraffin Oil	Butyric Acid	Paints & Varnishes
Tetrachloroethylene	Pentane	2-Butanone	Printing Inks
Carbon Tetrachloride	Petroleum Ether	Bromodichloromethane	Carbon Disulphide
Chlorobenzenes	Crude Oils	Acetone	Hydrochloric Acid
Chlorophenols			Ammonia Liquor

Storage, Health and Safety

Eye protection:	safety goggles
Inhalation:	dust mask
Storage ventilation:	normal room ventilation

For more detailed information, consult M.S.D.S.

Screen Analysis

% On 400 microns	75 – 85
% Through 150 microns	10 – 14
% Through 75 microns	5 – 7

Physical Properties

Appearance	Soft, Grey Fibre
pH (10 % suspension)	6.5 – 7.5
Ash content %	2 - 4
Moisture content %	5 – 7
Oil absorption %	2000 - 2500
Bulk density g/l	33

Packaging

Quattro Fibreflux 2000 is packed in 10kg plastic bags.

