

## **ANNEX C**

### **SPECIFICATIONS FOR MATERIALS AND EQUIPMENT**

#### **POL EMERGENCY RESPONSE AND CLEAN-UP KITS**

## **POL SPILL RESPONSE AND CLEAN-UP KITS**

### **POL SPILL KIT FOR BAR-B, STOKES POINT**

<b>Item Description</b>	<b>U/I</b>	<b>QTY</b>
Absorbent Sheets	Ea	50
Absorbent, oil	Bag	20
Absorbent W	Bag	20
Shovel	Ea	5
Pitchfork	Ea	3
Gloves, rubber lined	Pair	5
Plastic Bags (3 mil)	Bag	20
Salvage drum (85 US gal)	Ea	3

### **POL SPILL KIT FOR SRRs**

<b>Item Description</b>	<b>U/I</b>	<b>QTY</b>
Absorbent, oil (7 kg)	Bag	12
Salvage drum (85 gal)	Ea	2
Shovel	Ea	2
Gloves, rubber lined	Pair	1
Wheelbarrow	Ea	1

### POL SPILL KIT FOR LRRs

Item Description	U/I	QTY
M50 Oil spill containment boom 200 mm dia. (package of 40 ft)	Section	8
M90 Oil absorbent roll 36" X 300' X 3/8 inch thick	Roll	10
M75 Oil absorbent sheet 18" X 18" X 3/8 inch thick	Sheet	200
Absorbent, oil: 7 kg	Bag	150
Absorbent, water/oil: 7 kg	Bag	20
Shovel, spade type	Ea	2
Pitchfork	Ea	2
Gloves, rubber lined	Pair	20
Plastic Bags, 3 mil	Bag	100
Plastic, polyethylene, 6 mil: 1000 m <sup>2</sup> rolls	Roll	4
Pump, electric transfer 12 volt	Ea	1
Pump, flammable liquids with hoses Gorman Rupp Pump	Ea	1
Pump, hand transfer electric	Ea	1
Sliptank, portable: 100 gal	Ea	1
Polypropylene rope	Ea	1
Dresser couplings, various sizes	Ea	5
Respirator, activated carbon	Ea	3
Safety goggles	Ea	2

LRR SITEPOL SPILL KIT LOCATION

BAR-2	Warehouse/Garage Mezzanine
PIN-M	Warehouse B13C
PIN-3	Hangar
CAM-M	ATB Hangar, Warehouse
CAM-3	Warehouse B13A
FOX-M	Garage, Cold Storage Warehouse
FOX-3	ATB/Warehouse B13A Cage
DYE-M	Radio Terminal Building
BAF-3	ATB
LAB-2	ATB
LAB-6	Water Storage Building

# TOTAL ABSORB INC.

9311 River Drive • Richmond  
British Columbia  
V6X 1Z1

Phone: (604) 273-7860

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ALFOB

# Absorbent

AND Absorbent "W"



## WHERE

### ALL LAND SPILLS

Inside and outside

### ALL OIL SPILLS

Oceans, creeks, and puddles

### CATCH BASINS

### MACHINE SHOP AREAS

### IN THE BAG CONTROL

### HOSPITALS, AIRPORTS

and HOME SPILLS

### PACKING for TRANSPORT

## WHAT

### CHEMICALS

### DETERGENTS

### EFFLUENTS

### EMULSIONS

### PAINTS

### FUELS

### OILS

## WHY

### COST EFFECTIVE

### NATURAL WOOD FIBRE

Biodegradable • Nontoxic

### DUST FREE • No silica

### INCINERABLE

Low ash • Clean Burning

### LANDFILL DISPOSABLE

### ABSORBS AND RETAINS

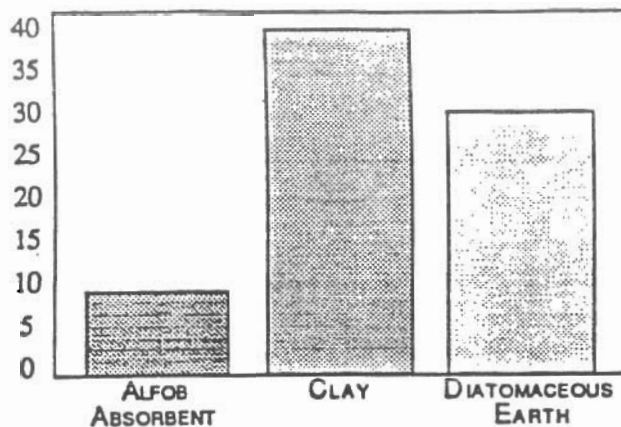
Three times its weight

### LIGHT WEIGHT • User friendly

2

Pounds  
per Cubic  
Foot

## WEIGHT

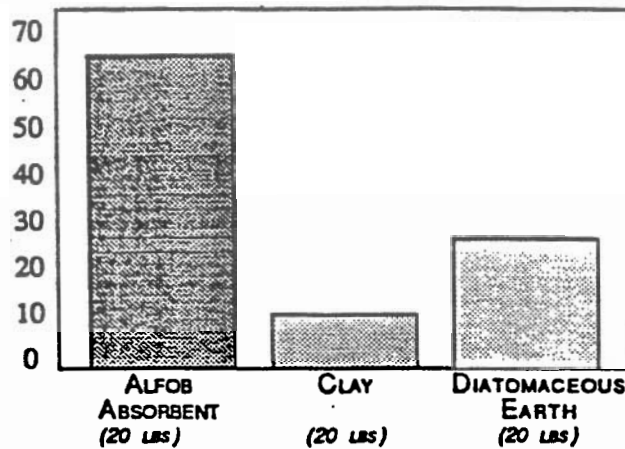


ALFOB



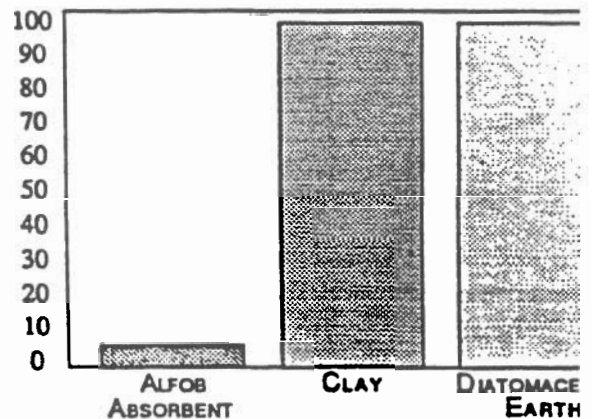
## ABSORBENT CAPACITY

Liquid  
Pounds  
Absorbed



## ASH WEIGHT

Percent  
by Weight  
After  
Incineration



### DATA SOURCE

E.P.A. Report #E.P.A./600/2-87/047  
Guidance Manual for Selection and  
Use of Sorbents for Liquid Hazardous  
Substance Release

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## SUBSTANCES ABSORBED BY ALFOB ABSORBENT

### CERCLA LIQUID FUNCTIONAL GROUPS

Acidic compounds <i>[organic]</i>	Esters and ethers
Alcohols and glycols	Esters <i>[halogenous]</i>
Aldehydes	Halides <i>[inorganic]</i>
Aliphatic hydrocarbons	Heavy metals
Aliphatics <i>[halogenous]</i>	Ketones
Amides, anilides, imides	Nitro/nitroso compounds
Amines <i>[alkyl]</i>	Organophosphates
Amines <i>[aryl]</i>	Oxides <i>[alkylene]</i>
Aromatic hydrocarbons	Peroxides
Aromatics <i>[halogenous]</i>	Phenols and cresols
Cyanates and isocyanates	Sulfates and sulfites
Cyanides and nitriles	Sulfides and mercaptans

Source: U.S. Environmental Protection Agency Report #600/2-87/047

Note: Inorganic acids, Caustics, Hydrazines and Hydrazides are not suitable for the use of woodfibre/cellulose absorbents.

### EXAMPLES OF LIQUIDS AND CHEMICALS ABSORBED BY ALFOB ABSORBENT

Oils/Fuels .....	mineral oil, jet fuel, gasoline, diesel, hydraulic fluid, Skypdrol, motor
Coolants .....	antifreeze, transformer oils <i>[including PCBs]</i> .
Paints .....	mineral oil and latex base paints, lacquers, shellacs, thinners.
Polymers .....	water treatment flocculants, viscosity enhancers.
Alcohols .....	methyl alcohol, ethyl alcohol, isopropyl alcohol.
Medical/Biological .....	blood, serum, pharmaceuticals, sewage.
Solvents .....	methyl ethyl ketone <i>[MEK]</i> , methyl isobutyl ketone <i>[MIBK]</i> , tetrahydrofurane <i>[THF]</i> , etc.
Toxics .....	chromates, cyanides, sulfides, battery acid, etc.
Insecticides/Herbicides ..	diazon, DDT, roundup.

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**TOTAL ABSORB II**

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## TECHNICAL DATA SHEET

### COMPOSITION DATA

Natural wood fibre (cellulose) in a proprietary preparation. Contains NO silica or mineral

*SAFE for the WORK PLACE*

21-CFR 186.1673, "General Recognition of Pulp as Safe".

*SAFE for the ENVIRONMENT*

Tested according to E.P.A. Methods for Measuring Acute Toxicity of Effluents to Fresh Marine Organisms, and by the State of Washington D.O.E. 80-12.

*SAFE in ANALYSIS*

Tested according to E.P.A. Method 613 (IFB #WA.86.K.357);  
No Dioxins Method 8240 (Volatile Organics), metals;  
Title 22, State of California, soils.

### PHYSICAL DATA

*Bulk Density*

8 pounds per cubic foot  
0.13 grams per cubic centimetre

*Sorptive Capacity*

Absorbs and retains three times its weight

*Dust Content*

Less than 1%

*Shelf Life*

Indefinitely stable

*Combustion*

5,000 BTU per pound; incinerates to less than 5% by weight ash residue

### SAFETY DATA

*Safety Precautions*

As appropriate for the spilled chemicals. Additional information on Material Safety Data (see pages 6-8)

*Toxicity*

Human - none reported

Environmental - none reported

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# MATERIAL SAFETY DATA SHEET

(MSDS)

## PRODUCT INFORMATION

*Trade Name (as labelled)*  
*Chemical and Common Names*

Absorbent, Absorbent "W"  
Cellulose, Natural Wood Fibre

*Manufacturer's Name*

Absorption Corp.

*Canadian Distributor*  
*Emergency Telephone*  
*Business Telephone*

Total Absorb Inc.  
(604) 581-2048  
(604) 273-7860

## HAZARDOUS INGREDIENTS

<i>Chemical Name</i>	<i>Cas#</i>	<i>%v/v</i>	<i>Exposure</i> TLV · ACGIH	<i>Limits</i> PEL · OSHA	<i>In Air</i> OTHER
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This Product contains NO HAZARDOUS INGREDIENTS, as defined by CFR 21-176-260.

## PHYSICAL PROPERTIES

<i>Vapour Density:</i>	N/A	<i>Evaporation Rate (BuAc=1):</i>	N/A
<i>Specific Gravity:</i>	N/A	<i>Melting Point or Range:</i>	N/A
<i>Solubility in Water:</i>	Insoluble	<i>Boiling Point:</i>	N/A

*Appearance and Colour:* Light grey particles, no odour, low dust. NO ASBESTOS CONTENT.

## FIRE and EXPLOSION

*Flash Point [method]*  
450 degrees Fahrenheit (open cup)

### *Fire Extinguishing Materials*

Use appropriate extinguishing material for involved chemicals or materials, CO<sub>2</sub>, foam, dry chemical, water spray or fog; Treat unused materials as paper or wood.

### *Special Fire Fighting Procedures*

Incipient fire responders should wear eye protection.  
Structural fire fighters must wear SCHA and full protective equipment.

*Unusual Fire and Explosion Hazards*  
None

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## HEALTH HAZARD INFORMATION

Inhalation:	N/A
Contact with Skin or Eyes:	N/A
Skin Absorption	N/A
Ingestion:	Non Toxic
Injection:	N/A

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## HEALTH EFFECTS or RISKS FROM EXPOSURE (explanation in lay terms)

Acute:	None	NO ASBESTOS CONTENT
Chronic:	None Known	

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## FIRST AID - EMERGENCY PROCEDURES

*If product has been ALTERED* by sorption or hazardous chemicals or materials, immediately begin decontamination with running water and continue for at least 15 minutes. Remove exposed or contaminated clothing, taking care not to contaminate the eyes. Victim and rescuers must seek immediate medical attention.

*If chemical is in eyes*, open victim's eyes while under gentle running water. Use sufficient force to open eyelids. Have victim "roll" eyes. Minimum flushing is for 15 minutes.

*If chemical is inhaled*, remove victim to fresh air and use artificial respiration to support vital functions. Remove or cover gross contamination to avoid exposure to rescuers.

*Victim of chemical exposure and all rescuers must be taken for medical attention.* Take a copy of Label and MSDS of spilled chemicals to physician or health professional with victim.

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## SUSPECT CANCER AGENT?

This product's ingredients are NOT FOUND on the following lists:

• Federal OSHA Z List    • NTP    • IARC    • CAL/OSHA

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## MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

None

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## RECOMMENDATIONS TO PHYSICIANS

Treat symptoms of exposure.

No human toxicity known or reported.

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**REACTIVITY DATA**

*Stability:* Stable      *Conditions to Avoid:* None

*Materials with which Substance is Incompatible:*

Fuming inorganic acids may degrade material  
Strong caustics  
Hydrazines and Hydrozides

*Hazardous Polymerization:* Will not occur

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**SPILL, LEAK, AND DISPOSAL INFORMATION**

*Spill and Leak Response:*

Spills of this product are considered NON-HAZARDOUS.

*Preparing Wastes for Disposal:*

Waste disposal must be in accordance with appropriate federal, provincial, and local regulations. This product, if unaltered by the handling, may be disposed of as a non-hazardous waste. If this product has been used to clean up hazardous chemicals or materials, then the residue **MUST** be treated as a hazardous waste, including proper disposal.

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**SPECIAL HANDLING INFORMATION**

*Ventilation and Engineering Controls:*

As required for the chemicals or materials being cleaned up with this product.

*Respiratory Protection:*

As required for the chemicals or materials being cleaned up with this product.

*Eye Protection:*

As required for the chemicals or materials being cleaned up with this product.

*Hand Protection:*

As required for the chemicals or materials being cleaned up with this product.

*Body Protection:*

As required for the chemicals or materials being cleaned up with this product.

*Work and Hygiene Practices:*

Use normal workplace and hygiene practices when using this product in its UNALTERED state.

*Storage and Handling Practices:*

Store in dry area away from moisture. Handle bags with normal caution to prevent damage.

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**LABELLING**

No precautionary statements or DOT labels required.

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