3M Occupational Health & Environmental Safety Division Sorbents



3M[™] Sorbents can be used in a wide variety of applications ranging from simple maintenance to emergency spill clean-up. Sorbents help to ensure your workplace is kept clean and safe and reduce damage to the environment. 3M[™] Sorbents are designed to be used for specific jobs and materials. Some can be used for general maintenance applications while others are designed to handle petroleum or chemical spills and clean-up.



3M™ Sorbents



Different Types of Sorbents

3M™ Maintenance Sorbents – ideal for absorbing oil and other industrial fluids cleanly, safely and efficiently.

3M™ Oil Sorbents – for absorbing oil not water. Being hydrophobic (repel water) they are ideal for absorbing oil from areas where water may also be present.

3MTM Chemical Sorbents – an ideal solution for hazardous spill control. They provide very high absorption capacities and are suitable for absorbing a very wide range of liquids – even aggressive acids and alkalis.

Different Formats of Sorbents

Sorbents by 3M are available in a variety of formats, so you can choose the format that meets your needs.

Rugs

Ideal for use in walkways near leaky machines. The rugs are highly durable and tear resistant, withstanding heavy foot-traffic and soaking up liquids without breaking up.

Minibooms - Pillows

Ideal for placing around the base of leaking machinery/equipment to contain and absorb oils and cutting fluids.

Multi-Format

All your sorbent needs from one box. This versatile product is four formats rolled into one.

Pads and Rolls

Designed to be used in and around the work area to catch leaks and drips, pads are highly absorbent and simple to use.

Hazardous Spill Response Kits

3M[™] Chemical Spill Kits each contain a carefully selected variety of chemical sorbents. These convenient kits assist with providing fast and effective containment and clean-up of hazardous spills.

Tanker Spill Response Kits

The modern and effective way to control and clean up spills resulting from liquid fuel deliveries.

Symbol Key

Throughout this section of the brochure you'll notice the symbols shown below. These symbols indicate which sorbents can and cannot be used with different fluids



For use with petroleum-based products



For use with water-based products



For use with chemical-based products



Not for use with

Multi-Format Sorbents Application Guide



Carry



Unfold



Tear



Unopened



Around corne



Onen





Maintenance Sorbents

For leaks and drips of non aggressive fluids. Maintenance Sorbents are ideal for absorbing oil and other industrial fluids cleanly and efficiently. They are lightweight and very quick to deploy. They are long lasting and highly absorbent (up to 25 x their own weight) absorbing most fluids very quickly. 3M maintenance sorbents are not suitable for absorbing aggressive liquids.







Maintenance sorbents by 3M are made from inert, synthetic fibres principally of polypropylene and polyester. They are available in a large range of formats and are lightweight and dust free. They have a high absorption capacity which minimises the amount of waste for disposal.

Features and Benefits:

- + Promotes a cleaner, safer working environment.
- + Very easy to use and to retrieve.
- + Reduces the risk of contamination of finished products.
- + Reduces the risk of damage to valuable machinery.
- + Significantly less waste to dispose of.

Applications:

- + Industrial machinery leaks, drips, spills and splashes of non-aggressive maintenance fluids.
- + Wiping down oily tools and equipment.
- + Tabletops and under work surfaces.
- Indoor vehicle/equipment parking areas fork trucks, compressors, and lift equipment.
- + Areas where an oily mist is problematic.
- + Under oily machined metal parts while they drip off prior to packing and shipping.



3M[™] M-M1002 Maintenance Sorbent Mini-Boom

Other 3M™ Maintenance Sorbents



3M[™] M-F2001 Multi-Format Maintenance Sorbent



3M[™] M-N1001 Maintenance Sorbent Pillow



3M™ M-A2002 Maintenance Sorbent Pad



3M™ M-B2001 Maintenance Sorbent Roll



3M[™] M-G1001/M-G1301 Maintenance Sorbent Rugs



3M™ M-R2001 Maintenance Sorbent Drum Cover, High Capacity Case

Product Overview

Product	Number	Size (CM)	No./case	Case sorbency (litres)	Case weight (kg)	
Multiformat	M-F2001	12 x 1520 (40)	3	119	8.2	
Pads	M-A2002	40 x 52	100	142	6.4	
Rolls	M-B2001 M-B2002	40 x 4600 96 x 4600	1 1	117 288	5.9 13.6	
Drum Covers	M-R2001	56ø	25	72	3.6	
Minipillows	M-N1001	18 x 38	16	32	3.3	
	M-M1001	7.5ø x 120	12	45	5.5	
Minibooms	M-M1002	7.5ø x 240	6	45	5.5	
	M-M1003	7.5ø x 360	4	45	5.5	
Rug (uncoated)	M-G1001	91 x 9100	1	120	25.0	
Rug (coated)	M-G1301	91 x 3000	1	40	10.5	

3M™ Sorbents









Oil Sorbents

3M[™] Oil Sorbents are an innovative range of highly absorbent products. Being hydrophobic repelling water they are ideal for absorbing oil from places where water may also be present. As with 3M[™] Maintenance Sorbents, Oil Sorbents are available in a wide range of convenient formats – each designed to enhance spill management and maximise pollution control.

Oil Sorbents are made from inert, synthetic .bres, principally polypropylene for 'T' oil sorbents and polypropylene and polyester for 'HP'. They are available in a wide range of formats and are lightweight and dust free. They have a high absorption capacity which minimises the amount of waste for disposal.

Features and Benefits

- + Hydrophobic
- + Cost-effective as oil, not water, is recovered
- + Can be used outside as well as in-plant
- + Handy dispenser box for easy on-site use

Applications

- + Controlling, cleaning up and recovering oil and petroleum based liquids from effluent discharge, streams, ponds, lakes, rivers, and other bodies of water
- In-plant spills under leaking equipment and machinery in place of clay granules
- + In drains and sumps to collect petroleum products from runoff



Product Overview

Product	Number	Size (CM)	No./case	Case sorbency (litres)	Case weight (kg)
	T151	53 x 39	200	150	8.5
Sheets	T156	53 x 39	100	135	7.5
	HP156	48 x 43	100	142	4.5
Rolls	T100	96 x 4000	1	276	15.0
	T150	48 x 4000	1	138	7.5
	HP100	96 x 4400	1	276	9.0
Pillows	T30	18 x 38	16	32	3.3
	T240	38 x 55	10	100	10.5
Booms	T270	20ø x 300	4	260	22.0
	T280	2 x 10ø x 300	4	152	11.0
	T270GA	20ø x 500	2	220	17.0
Minibooms	T4	7.5ø x 120	12	45	5.5
	T8	7.5ø x 240	6	45	5.5
	T12	7.5ø x 360	4	45	5.5
Sweep	T126	48 x 3000	1	95	7.5
Multiformat	T-F2001	12 x 1520	3	119	8.2

3M[™] T-F2001 Multi-Format Oil Sorbent

As with all Multi-Format Products by 3M, Multi-Format oil sorbent combines the convenience and versatility of four sorbents in one. Offering high absorbency and rapid deployment, it can be used as a boom, pillow, pad or roll. With perforations every 40cm. it allows you to select the length that you need, resulting in less wastage.

Other 3M™ Oil Sorbents



3M[™] T100/T150 Oil Sorbent Roll



3M[™] T151/T156 Oil Sorbent Sheets



3M[™] T4/T8/T12 Oil Sorbent Mini-Boom



3M™ T30 Oil Sorbent Pillow



3M™ T126 Oil Sorbent Sweep



3M™ T270/T280 Oil Sorbent Boom



Tanker Spill Response Kit

The modern and effective way to control and clean up spills, particularly those resulting from liquid fuel deliveries. The Road Traffic (Carriage of Dangerous Substances in Road Tankers and Tank Containers)

Regulations 1992, require that during the delivery and unloading of







petrol, a suitable quantity of absorbent material must be available as a contingency against spills. Tanker Kits by 3M can satisfy the above legislation ensuring a rapid and effective solution to spills of this nature.

3M™ TSK 30

Features and Benefits

- Easily stowed in confined areas,
 e.g. behind the drivers seat
- + Immediately deployable.
- + Two convenient sizes (3M[™] TSK15, absorbency 15 litres and 3M[™] TSK30, absorbency 30 litres)
- + Mini-booms for containment
- ◆ Easy to dispose of disposal bags and ties included
- + Absorbs solvents, oils and hydrocarbons



Product Overview

3M™ TSK 30 Kit	3M™ TSK 15 Kit
Contains:	Contains:
50 Sheets – 48 cm x 43 cm	25 Sheets – 48 cm x 43 cm
2 Minibooms – 7.5 cm x 1.2 cm	2 Pillows – 18 cm x 38 cm
1 Disposal bag and tie	1 Disposal bag and tie
1 Disposal guide and label	1 Disposal guide and label
Absorbency per kit: 30 litres	Absorbency per kit: 15 litres

Other 3M[™] Tanker Spill Response Kits

3M™ TSK 15 Tanker Spill Response Kit



Application and Directions for Use



Small spills can be covered with the oil sorbent sheets



For larger spills, contain the spill by surrounding the liquid with oil sorbent minibooms. To prevent seepage ensure they are overlapped.



Add sheets to absorb the contained liquid pool.



Oil Sorbent Minibooms can also be used to prevent flow of spills into drains.



Also use sheets to wipe off any contaminated surfaces.



Used sorbents should be placed in the temporary disposal bags provided and sealed with plastic tie.

3M[™] Sorbents







Chemical Sorbents

3M™ Chemical Sorbents are the ideal solution for hazardous spill control. Available in a wide range of formats - including our spill kits - they provide very high absorption capacities and are suitable for absorbing a very wide range of liquids - even aggressive acids and alkalis. 3M™ chemical sorbents are convenient and rapid to deploy, major considerations in an emergency.

Features and Benefits:

- + Promotes safety on the site
- + Immediate response to chemical spillages
- + Fast and effective containment and clean-up
- + Suitable for use with most chemicals
- + Easy to dispose of
- + Available in several formats including mini-booms, pillows, sheets and rolls
- + Products have a high capacity
- + Can be used with many aggressive chemicals



Product Overview

Product	Number	Size (CM)	No./case	Case sorbency (litres)	Case weight (kg)
Sheets	P110	28 x 33	200	50	6.5
Rolls	P130	33 x 3000	2	50	6.0
	P190	48 x 3000	2	72	8.6
Pillows	P300	18 x 38	16	32	3.3
Minibooms	P200	7.5ø x 120	12	45	5.5
Particulate	P500	(5.4Kg)	_	54	5.4
Multiformat	P-F2001	12 x 1520	3	119	8.2







3M™ P-F2001 **Multi-Format Chemical Sorbent**



3M™ P130 **Chemical Sorbent**



3M™ P190 **Chemical Sorbent** Roll



3M™ P200 **Chemical Sorbent** Mini-Boom



3М™ Р300 **Chemical Sorbent Pillow**



Hazardous Spill Response Kits







3M[™] Hazardous Spill Response Kits each contain a carefully selected variety of 3M[™] Chemical Sorbents. Available in five configurations, these convenient kits assist with providing fast and effective containment and clean-up of hazardous spills.

3M™ Hazardous Spill Response Kits

- + Cleaning up hazardous chemical spills, drips, and leaks
- Ideal for rapid response containment and cleanup
- + Hazardous material shipping
- + Cover bench tops in anticipation of a spill
- + Wiping up contaminated areas.



3M™ SK75 Chemical Spill Kit

3M™ DRSK-DP Disposable Spill Kit

A new and innovative way of dealing with everyday spills quickly and easily. Everything you need in one kit!

- Unique design allows safer clean up less risk of injury
- + Specially designed brush means no need to handle glass and the dustpan kit seals reducing exposure to broken glass
- + Absorbs up to 1.5 Litres

3M™ DRSK-DP Disposable Spill Kit

Contains 4 disposable spill kits with dispenser, 2 Multiformat sheets, Nitrile gloves, Dustpan and Brush, and a Disposable Bag and Tie per kit.

Product Overview

CIVOCO	CIVO10	CVZE	CIVOC	CVE
SK360	5K210	5K/5	SKZb	SK5
300	100	100	10	10
24	12	12	5	1
24	12	8	5	
1	1			
3	2			
20	10	5	2	1
1	1			
1	1			
	24 24 1 3	300 100 24 12 24 12 1 1 3 2	300 100 100 24 12 12 24 12 8 1 1 1 3 2	300 100 100 10 24 12 12 5 24 12 8 5 1 1 1 3 2

Other 3M™ Chemical Sorbent Kits



3M™ SK 5 Chemical Spill Kit





3M™ SK 210 Chemical Spill Kit





3M™ SK 26 Chemical Spill Kit



Occupational Health & Environmental Safety Group

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