

# RESOURCE BOOKLET





# Contents

03	Starting Out: Hazardous Substances 101
05	Common Dangerous Goods
06	Dangerous Goods Segregation Chart
07	Case Study
80	Why Purchase a Chemshed Cabinet?
11	What is Secondary Containment and When is it Required?
12	Secondary Containment Regulations Guide
13	Secondary Containment Thresholds
14	Choosing the Right Polyethylene Containment Unit
18	Spill Absorbents - An Overview
20	Spill Response Procedure
21	Using Sorbents in a Hazardous Substance Spill
22	Choosing the Right Polypropylene Sorbent
24	Safety Showers - An Overview
26	Drain Protection - An Overview
27	Choosing A Drain Protector
28	Product List by Category



# Starting Out: Hazardous Substances 101

We understand that managing your hazardous substances can be a seriously daunting task. If you're new to the role or have been given the role of improving this area of the workplace, then don't stress this article has been put together for you.

Using a combination of our own information, and resources from the WorkSafe website, this is a high level but important overview for those starting out in hazardous substance management.

## Introduction

Storing hazardous substances safely is an important part of protecting you and the environment that you work in. This includes storing only what you need, ensuring that incompatible substances are not stored together, and that decanted substances are stored in the correct type of container and labelled accordingly.

Where and how you store those hazardous substances is critical, and this will depend on both the class of substance and the quantity. Smaller amounts could be stored in approved storage cabinets, whereas larger amounts may need to be kept outdoors in dedicated outdoor bulk stores. In these instances, you may also need to keep them a certain distance from other premises, or public places.

## **Knowing your limits**

Keep the amount of hazardous substances on site to a practical minimum. This will make it easier to manage what you have and will likely reduce your compliance costs. Keep containers closed whenever possible to keep vapours contained, and to limit the chance of a spill incident.

#### Signage and labelling

Depending on the types and amounts of hazardous

substances at your workplace, you may need safety signage to warn employees, contractors, and visitors to your site that these substances are present. On the containers that hold these substances, the labels must be legible and accurately reflect the contents inside.

Visit WorkSafe for further information specific to signage and labelling.



Chemshed Flammable Cabinet - 250L

## **Knowing how to store your substances**

First, take a look at the safety data sheet for each substance, sometimes referred to the MSDS or SDS. These are mandatory for each hazardous substance that you use, store or handle at your workplace and are to be provided by the substance manufacturer or distributor. The SDS will outline the hazards specific to that substance, tell you how to store it safely and which other substances or materials it should be kept away from.

Smaller amounts of flammable or corrosive substances can be stored in an approved storage cabinet. Larger amounts may have to be stored in purpose-built rooms



indoors, or dedicated dangerous goods (DG) stores outdoors (the latter will often be a more practical option).

Many substances will require secondary containment - sometimes referred to as 'bunding' - over a certain storage threshold. There are a number of secondary containment options available and we have a dedicated article here that gives more details as to when it is required.

Some types of substances have special rules. Take flammable substances as a case in point, the vapours from these can cause a fire or explosion if accidentally ignited. For your workplace, you need to remove ignition sources such as flames, sparks and other heat sources where these substances are used and stored. You may also need to ensure adequate ventilation is provided to prevent a build-up of vapours.

## Is certification required?

If you have flammable, oxidising, toxic or corrosive substances at your workplace above certain quantities, you may need a location compliance certificate to certify that these substances are stored safely and according to the rules. WorkSafe have an excellent hazardous substances calculator that will confirm if you are over those thresholds, and therefore need one of these certificates or not.

## What is meant by incompatible substances?

Not all hazardous substances can be located together safely. Different types of substances can cause a fire, explosion, or chemical reaction if they come into contact with each other. The SDS for each substance should detail what other substances needs to be kept separate from it but our dedicated chart gives a broad overview of incompatibles, as well as a one dedicated to class 8 corrosive substances.

# Transferring or decanting hazardous substances

Try and keep your hazardous substances in the containers or drums that they originally arrived in. These containers will be safe, suited to the product inside and labelled correctly. However, there will be times when you will need to decant these substances into smaller containers for ease of use, or to mix substances in process containers before using them. While these will seem like straight forward tasks, the associated risks need to be understood - which the relevant SDS will help determine.

Containers holding hazardous substances must be in sound condition and made of a material that is suitable for containing the substance for as long as it is required.

An important consideration is ensuring that containers normally (or previously) used for food or beverages, are not used for hazardous substance storage or transfer, so they are not mistaken as such.

## Do I need to be a 'certified handler'?

Some substances are so hazardous that they are restricted from use by anyone, other than a specially trained person that is designated as a 'certified handler'. WorkSafe have a dedicated section related to certified handlers, and when you need one onsite.

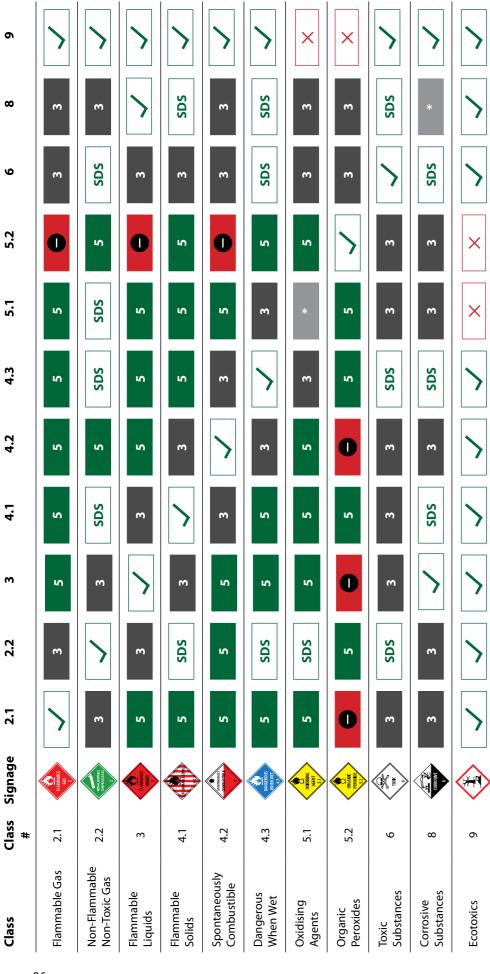
However even substances that no longer have certified handler requirements still need to be kept away from people not trained to work with them. Only personnel permitted by the business or authorised authority will be allowed to access these.

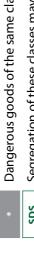
For more information on hazardous substances, visit the WorkSafe website.

# **Common Dangerous Goods**

Class #	Class	Examples	Commonly found in products such as	Commonly used in industries such as
1	Explosives		Detonators, blasting materials, ammunition, retail fireworks, Christmas crackers, and party poppers.	Mining and quarrying operations, the oil and gas industry, and within civil construction
2.1	Flammable (Gas)	LPG, acetylene, and propane.	Gas cylinders, aerosols; some fly sprays and spray paints.	Engineering, workshops, and civil construction
2.2	Non-Flammable Non-Toxic Gas	Compressed air, nitrogen, argon, and and helium	Gas cylinders.	Engineering workshops, construction, and automotive repairs
3.1A 3.1B 3.1C	Flammable (Liquid)	Petrol Acetone, and ethanol, P-xylene	Petrol Nail polish remover, and hand sanitiser. Products made with PET;	Workshops, mechanics, and manufacturing plants.
3.1D		Diesel.	bottles, containers, and fabrics.  Diesel.	
4.1	Flammable (Solid - Readily combustible)	Titanium hydride.	Ceramics, pyrotechnics, and sports equipment	
4.2	Flammable (Substance - spontaneously combustible)	White phosphorous, magnesium powder, and aluminium powder.	Fertilisers, cleaning compounds, and ammunition.	
4.3	Flammable (Solid - dangerous when wet)	Magnesium powder, calcium carbide, solid sodium, lithium, and hydride.	Glass, detergents, and cleansers.	Manufacturing plants, steel and metal cutting.
5.1	Oxidising Agents	Oxygen, hydrogen peroxide, sulfuric acid, and potassium nitrate.	Oxygen for medical purposes, bleaches, water purifiers and fertilisers.	Healthcare, manufacturing plants, and water treatment plants.
5.2	Organic Peroxides	Epoxy resins, MEKP, and benzoyl peroxide.	Glass reinforced plastics, fibreglass, resin, polyester, and silicone products.	Construction, automotive workshops, and transportation.
6	Toxic Substances	Cyanides, phenols, cresols, pesticides, and lead compounds.	Household cleaners, pesticides, biological samples and clinical wastes, timber treatment chemicals, and solvents.	Agriculture, and laboratories.
8	Corrosive Substances	Sulphuric acid, sodium hydroxide, and batteries.	Cleaners and sanitisers.	Food processing, manufacturing, healthcare, hospitality, and agriculture.
9	Ecotoxics	Pesticides, paints, and cleaners.	Agrichemical chemicals.	Rural industries, landscaping, and commercial growing.

# **Dangerous Goods Segregation Chart**





Dangerous goods of the same class could be incompatible or react dangerously; consult the SDS or the supplier about requirements for individual substances.

Dangerous goods of the same class should be compatible; consult the SDS or the supplier about requirements for individual substances

Adequate seperation from other buildings combinations of dangerous

ncompatible substances that must NOT be stored together. Must be separated so that substances do not come in contact. Keep in seperate compounds or

# **CASE STUDY**



# THE FURNITURE MANUFACTURER CHEMSHED FLAMMABLE CABINET - 250L | 04-1067

# **THE PROBLEM**

A WorkSafe Inspector arrived unannounced to audit the storage of dangerous goods on site. Jonathan, the Operations Manager was on site and the nominated person in charge. It was two hours before the inspector left but not before delivering a pretty straight message. "Sort out the storage of your flammable liquids or our next visit could well see your manufacturing operation closed down."

The flammables were situated throughout the site. Jonathan picked up the phone and rang Hazero.

# THE SOLUTION

When the Hazero team arrived on site, they quickly got up to speed with container sizes and how many of each, as well as what chemicals were held and the available space. Jonathan had expected he would be required to build a complex concrete block store but the solution turned out to be much simpler: a Chemshed Flammable Cabinet -250L.

# THE OUTCOME

Because container sizes were 20L or under, and the overall quantity was under 250L, Jonathan was able to consolidate all Class 3 flammable liquids into the cabinet, one that complied with the AS1940:2017 design requirements without him having to do anything other than position it in the area where the products were used most frequently.

The work site instantly became a much safer place - and the WorkSafe Inspector was satisfied with the solution as it solved the issues and was compliant. The factory got a clean bill of health without losing a minute of downtime from the issue.

# **Creating safer working environments**

At Hazero our mission is zero hazards. Our extensive range of quality products will help you store, contain and control and clean-up dangerous goods and hazardous substances.

Need help creating a safer working environment? Contact our team today on **0800 688 844** or email us at info@hazero.co.nz. Our team are also available for on-site assessments across New Zealand.

# Why Purchase a Chemshed Cabinet?



## **What are Dangerous Goods Cabinets?**

Dangerous goods, also known as DG's, are substances that can pose a risk to people and the environment.

Dangerous goods cabinets will help you safely store your DGs. There are different Dangerous Goods cabinet for each dangerous goods class as they are designed to comply with the legislation surrounding a specific class.

The importance of storing dangerous goods is vital in keeping you and the people around you safe. Our Chemshed Storage Cabinets range from Flammable, to Corrosive, through to Toxic, Organic Peroxide, Oxidising Agents, as well as the storage of Aerosols and Gas Cylinders and right through to Agrichemicals.

If you need a reliable, compliant cabinet to store your dangerous goods - either indoors or outdoors, there's a Chemshed Cabinet for you!

#### **Design and Compliance**

Each class of dangerous good requires a different type of storage cabinet.

When you're buying a Chemshed storage cabinet you can be assured it has been designed and built to the relevant standard.

As an example, our <u>Chemshed Flammable Cabinet</u> <u>-160L</u> (04-1066), has been built to comply with the design requirements of AS1940:2017, and will help you safely store class 3 flammable liquids.

Some features include:

- Steel fabrication, with a powder coated protection. The rivets, spot welds, and hinges are made of sheet steel. This is important as hinges and rivets are critical to a cabinet's structural integrity - if they fail, the cabinet will fall apart. That's not a worry with a Chemshed!

- The door handle offers a full-palm grip, that allows for easy, reliable opening and closing.
- The doors are also lockable providing safety on site.
- A thing to note about the handle if it was knocked off or melted in a fire, the cabinet would remain locked and closed, providing the same amount of fire protection. This is because the handles are not critical to the cabinet's structural integrity! Which means your cabinet would still be compliant.
- Inside the cabinet, are adjustable shelves and an in-built 150mm sump to meet the New Zealand compliance.
- The cabinet has a superior 2 point latch, with fully automatic sequentially self-closing doors that ensure that the inside door is always closing first.

#### **Ouality**

Chemshed cabinets have a proven test record. They've been exposed to some devastating fires but come out doing what they do best, keeping your dangerous goods, safe - and by extension, the environment, and the people around you.

Chemshed Cabinets are designed and manufactured in New Zealand and Australia, to the relevant New Zealand or Australian Standards. Roboticised production, makes impeccable consistency across the storage range.

Each Chemshed cabinet is quality checked by our very own New Zealand or Australian technicians.

When you purchase a Chemshed you are purchasing the real thing. Not an offshore imitation.

#### **Chemshed 20-Year Warranty**

Storing dangerous goods is a demanding task but the strength and reliability of Chemshed cabinets, mean they are right up to it. To prove our confidence in them, they are backed up with a 20-year Warranty, which will give you the peace of mind that you are purchasing a solution that rises to the storage challenge, like none other.



#### Expert advice, from an expert team

We're a NZ owned and operated company with our team based in multiple locations throughout NZ. Purchasing a Chemshed supports jobs here in New Zealand.

Our team have been in the industry since 2006 and since then we've helped multiple companies across a range of industries, throughout New Zealand.

We've helped them comply and safeguard their hazardous substances helping them to create safer working environments.

Chemshed is one of the longest standing and most trusted brands in DG storage in New Zealand. When you purchase a Chemshed you are supported throughout your entire buyer journey.

With Chemshed cabinets stocked in both in Christchurch and Auckland, we can ensure prompt and efficient delivery.

Our team can help you at any time throughout your journey to ensure you are complying with the relevant legislation you need to meet by law.

What are you waiting for? Join the many happy customers that have invested in a Chemshed today and help create a safer working environment for your workplace.

# What is Secondary Containment and When is it Required?



# **CONTAIN**



# What is secondary containment?

A primary container is the vessel that holds the hazardous substance, for example a bottle, 20L container, 200L drum or 1,000L IBC (intermediate bulk container). Secondary containment could be best described as the system in place to contain spills, leaks or the failure of the primary container stored on it.

## Why is it required?

In the many workplaces storing or using hazardous substances, the primary containers that hold such liquids are vulnerable to damage. This vulnerability can come from poor storage practices, mismanaged decanting or transfer procedures, or damage from vehicles such as forklifts.

A secondary containment system is often required to contain these hazardous liquids if they escape from the primary container, and to prevent them from escaping into the wider environment.

That environment might be the immediate workplace and therefore may put employees and other personnel at risk. Or it might be a nearby waterway which will quickly pollute and impact marine and bird life, as well as their ability to be used for domestic, commercial or recreational purposes.

## How is it achieved?

Secondary containment has been historically achieved by building 'berms' from concrete or block walls, earth mounds or large tubs. In recent years however, it has been made much less complex with low profile work floors, spill containment pallets and flexible bunding options. These are designed to be quickly repositioned as your site and operational requirements change over time.



Controlco Single IBC Spill Pallet

# **Secondary Containment Regulations Guide**

Step 1 - What is the size of my largest container?	Step 2 - What are the classes of the products stored?	Step 3 - What is the total amount of product stored in the area?	Step 4 - How much bunding am I required to have?	Step 5 - What products will assist me in meeting that requirement?
Container size	Hazard type	Total storage	Bunding level required	Suggested products
up to 60L	Class 3 and 5	less than 5,000L	At least half the pooling potential	Work Floors <u>(01-1022   01-1023)</u>
		more than 5,000L	The greater of; 1. 2,500L 2. 1/4 of that total pooling potential	Floor Bunding or Spill Pallets ( <u>01-1020</u> ) <u>01-1021)</u>
	Class 6, 8 and 9*	less than 20,000L	At least 25% of the pooling potential	Work Floors (01-1022   01-1023)
		more than 20,000L	The greater of; 1. 5,000L 2. 5% of that total pooling potential	Floor Bunding or Spill Pallets ( <u>01-1020</u> ) <u>01-1021</u> )
60 to 450L	Class 3 and 5	less than 5,000L	At least that pooling potential	Spill Pallets (01-1020   01-1021)
		more than 5,000L	The greater of; 1. 5,000L 2. half that total pooling potential	Floor Bunding or Spill Pallets ( <u>01-1020</u> ) <u>01-1021</u> )
	Class 6, 8 and 9*	less than 20,000L	25% of the total pooling potential or 110% of the largest container, whichever is greater	Spill Pallets (01-1020   01-1021)
		more than 20,000L	The greater of; 1. 5,000L 2. 5% of that total pooling potential	Floor Bunding or Spill Pallets ( <u>01-1020</u> ) <u>01-1021</u> )
Over 450L	Class 3 and 5	less than 5,000L	At least that pooling potential	Spill Pallets (01-1025   01-1026)
		more than 5,000L	The greater of; 1. 5,000L 2. half that total pooling potential	Contact your Controlco supplier, or phone 0800 688 844.
	Class 6, 8 and 9*	less than 20,000L	25% of the total pooling potential or 110% of the largest container, whichever is greater	Spill Pallets <u>(01-1025   01-1026)</u>
		more than 20,000L	The greater of; 1. 5,000L 2. 5% of that total pooling potential	Contact your Controlco supplier, or phone 0800 688 844.

# **Secondary Containment Thresholds**

The point at which your worksite requires secondary containment depends on what class of liquids you have on site, and in what quantities.

For really hazardous liquids, it is required from very low levels. For others, you are allowed to have a larger amount before secondary containment is required, while for many non-hazardous substances, little to none may be needed at all.

While not exhaustive, the table to the right details some of the more common classes, and at what point secondary containment is required.

For further information including classes beyond those listed about, visit the WorkSafe website.

Hazard Classification	Amounts Where the Need For Secondary Containment Is Triggered
Class 5.1.1A	50L
Class 5.1.1B	500L
Class 5.2A, 5.2B	10L
Class 5.2C, 5.2D	25L
Class 5.2E, 5.2F	100L
Class 6.1A, 6.1B, 6.1C	100L
Class 6.1D, 6.5A, 6.5B, 6.7A	1,000L
Class 8.2A	100L
Class 8.2B	1,000L
Class 8.2C, 8.3A	10,000L
Class 9.1A	100L
Class 9.1B, 9.1C	1,000L
Class 9.1D	10,000L

## What level of secondary containment is required if the amounts are triggered?

The below table is a summary of the requirement levels for secondary containment, as per the Health & Safety at Work (Hazardous Substances) Regulations 2017.

## **Requirements for Class 1-5**

Container Size	Total Pooling Potential	Secondary Containment Capacity
Up to 60L	Less than 5,000L	At least 50% of the total
	5,000L or more	2,500L or 25% of the total*
More than 60L and up	Less than 5,000L	At least that total potential
to 450L	5,000L or more	5,000L or 50% of the total*
More than 450L	Less than 5,000L	At least that total potential
	5,000L or more	5,000L or 50% of the total*

# Requirements for Class 6-9

Container Size	Total Pooling Potential	Secondary Containment Capacity
Up to 60L	Less than 20,000L	At least 25% of the total
	20,000L or more	5% of the total or 5,000L*
More than 60L and up to 450L	Less than 20,000L	25% of the total,or 110% of the capacity of the largest container*
	20,000L or more	5% of the total or 5,000L*
More than 450L	Less than 20,000L	25% of the total,or 110% of the capacity of the largest container*
	20,000L or more	5% of the total or 5,000L*

<sup>\*</sup>whichever is greater

This is a summary of Regulations 13.30, 13.31, 13.32 and 13.33 of the above mentioned Regulations and should be used as a guide in the context of all other components within it.

# Choosing the Right Polyethylene **Containment Unit**

Spill containment comes in a variety of forms but there are several things that make High Density Polyethylene (HDPE) the most effective, and why most Controlco secondary containment products are made from this material.

The chart on the following pages will help you determine if your hazardous substances are suitable for short or long term storage. Or, in some cases they may not be suitable at all.

If a particular chemical is not listed below, please contact our expert team for advice.

## **Products**

The following table lists all Hazero products that the polyethylene compatibility guide is applicable to.

Low Profile Work Floors	Drum / IBC Spill Pallets	Outdoor Containment
01-1022	01-1020	01-1061
01-1023	01-1021	01-1078
01-1024	01-1043	01-1079
01-1072	01-1025	01-1080
01-1073	01-1026	
01-1074	01-1085	
01-1082	01-1086	
01-1083	01-1087	
01-1084		
01-1081		

Spill Trays	Overpack Drums	<b>Mobile Containment</b>
01-1032	03-1003	01-1029
01-1036	03-1001	
01-1038	03-1000	
01-1040		

## KEY

L (Long term) - Products should be suitable for prolonged or repeated contact with these substances, under the

**S (Short term)** - These substances may adversely affect the polyethylene. Controlco products may be suitable for intermittent contact; however, some deterioration in properties may occur. The user should perform qualification tests before or during usage of the container.

N (Not suitable) -These substances aggressively attack polyethylene or have vapor pressures incompatible with closed containers. Do not use polyethylene containers in these applications.

## **Polyethylene Compatibility Guide**

Acetaldehyde (40%)	L	
Acetamide	L	
Acetic Acid (50%)	L	
Acetic Acid (100%)	N	
Acetic Acid Anhydride	S	
Acetic Ether	S	
Acetone	L	
Acetylene Tetrabromide	S	
Acrylic Emulsions	S	
Acrylonitrile	L	
Adipic Acid	L	
Aliphatic Hydrocarbons (Hexane, Octane, hexene, Octene, Etc.)	L	
Allyl Alcohol (96%)	L	
Alum (Aqueous Solutions)	L	
Aluminum Chloride (20%)	L	
Aluminum Fluoride	L	
Aluminum Hydrogen Solution (10%)	L	
Aluminum Hydroxide	L	
Alums (All Types)	L	
Ammonia (Anhydrous)	L	
Ammonia (Aqueous)	L	
Ammonia (100% Dry Gas)	L	
Ammonium Salts	L	
Ammonium Acetate	L	
Ammonium Biflouride	L	
Ammonium Carbonate 50%	L	
Ammonium Chloride	L	
Ammonium Hydrogen Fluoride (50%)	L	
Ammonium Hydroxide	L	
Ammonium		
Metaphosphate Sat'd	L	
Ammonium Nitrate (10%)	L	
Ammonium Nitrate Sat'd	L	
Ammonium Persulfate Sat'd	L	
Ammonium Phosphate	L	
Ammonium Sulfate (1)%)	L	
Ammonium Sulfate Sat'd	L	
Ammonium Sulfide Sat'd	L	
Ammonium Thiocyanate Sat'd	L	
Amyl Acetate	L	
Amyl Alcohol (100%)	L	
Amyl Chloride	N	
Aniline (100%)	S	
Aniline Hydrochloride	S	
Animal Fats	L	
Anti-Freeze	L	
Antimony Salts	L	
Antimony Trichloride 90%	L	
Aqua Regia	N	
Aqueous Salt Solutions (NaCl)	L	
Aqueous Alkalies (NaOH)	L	
Arsenic Acid	L	
Arsenic Salts	L	
Barium Salts	L	
Barium Carbonate	L	

Barium Chloride	L
Barium Cyanide	L
Barium Hydroxide	L
Barium Nitrate	L
Barium Sulfate	L
Barium Sulfide	L
Battery Fluid Acid	S
Beef Tallow Emulsion, Sulfonated	L
Beer	L
Benzaldehyde	L
Benzene	L
Benzene Sulfonic Acid	S
Benzoic Acid	L
Benzyl Alcohol	L
Benzyl Chloroformate	L
Bismuth Salts	L
Bleach Lye (10%)	S
Black Liquor	L
Borax Cold Sat'd	L
Boric Acid Dilute	L
Boric Acid Conc.	L
Bromine, Liquid	N
Bromine, Water	N
Bromobenzene	N
Bromoform	N
Butadiene	L
Butane	L
Butanediol (100%)	L
Butanol	L
Butyl Acetate	L .
Butyl Alcohol (100%)	L N
Butylene Butylene Glycol	L
Butylene Liquid	N
Butyl Phenol	N
Butyric Acid	L
Calcium Carbonate	L
Calcium Chloride	L
Calcium Hydroxide	L
Calcium Hypochlorite	L
Calcium Nitrate (50%)	L
Calcium Sulfate	L
Camphor Oil	N
Carbon Disulfide	N
Carbonic Acid (Aq.CO2)	L
Carbon Monoxide	L
Carbon Monoxide Carbon Tetrachloride	L N
Carbon Tetrachloride	N
Carbon Tetrachloride Castor Oil Conc.	N L
Carbon Tetrachloride Castor Oil Conc. Caustic (Aqueous)	N L L
Carbon Tetrachloride Castor Oil Conc. Caustic (Aqueous) Caustic Potash Sol. (50%)	N L L
Carbon Tetrachloride Castor Oil Conc. Caustic (Aqueous) Caustic Potash Sol. (50%) Caustic Soda Sol. (10%)	N L L L
Carbon Tetrachloride Castor Oil Conc. Caustic (Aqueous) Caustic Potash Sol. (50%) Caustic Soda Sol. (10%) Chloral Hydrate	N L L L
Carbon Tetrachloride Castor Oil Conc. Caustic (Aqueous) Caustic Potash Sol. (50%) Caustic Soda Sol. (10%) Chloral Hydrate Chloroethanol	N L L L
Carbon Tetrachloride Castor Oil Conc. Caustic (Aqueous) Caustic Potash Sol. (50%) Caustic Soda Sol. (10%) Chloral Hydrate Chloroethanol Chloric Acid (10%)	N L L L L
Carbon Tetrachloride Castor Oil Conc. Caustic (Aqueous) Caustic Potash Sol. (50%) Caustic Soda Sol. (10%) Chloral Hydrate Chloroethanol Chloric Acid (10%) Chloroacetic Acid	N L L L L L
Carbon Tetrachloride Castor Oil Conc. Caustic (Aqueous) Caustic Potash Sol. (50%) Caustic Soda Sol. (10%) Chloral Hydrate Chloroethanol Chloric Acid (10%) Chloroacetic Acid Chlorobenzene	N L L L L L
Carbon Tetrachloride Castor Oil Conc. Caustic (Aqueous) Caustic Potash Sol. (50%) Caustic Soda Sol. (10%) Chloral Hydrate Chloroethanol Chloric Acid (10%) Chloroacetic Acid Chlorobenzene Chloroform	N L L L L L L L L L L L L L L L L L L L

Chromic Acid (50%)	S
Cider	L
Citric Acid (All Conc.)	L
Clorox Bleach	L
Coconut Oil Alcohols	L
Cola Concentrates	L
Compressed Air	
Conditioning Oil	L
Copper Salts	L
Copper Cyanide	L
Copper Nitrate	L
Copper Sulfate	L
Corn Oil	L
Cottonseed Oil	L
Cresol (90%)	L
Cresylic Acid	L
Crotonic Aldehyde	L
Cuprous Chloride Sat'd	L
Cyclohexane	L
Cyclohexanol	L
Cyclohexanone	S
	L
Developer Photographic	L
Developer, Photographic  Dextrin Sat'd	L
Dextrin Sat'd  Dextrose Sat'd	L
Dibutyl Ether	N
Dibutyl Etner  Dibutylphthalate	S
Dibutyl Sebacate	s
Dichloroacetic Acid	s
Dichloroacetic Acid, Methyl Ester	s
Dichlorobenzene, Liquid	N
	N
Dichloroethylene Diesel Fuel	S
Diesel Oil	S
Diethyl Carbonate	L
	L
Disodium Phosphate Diazo Salts	L
Diethylene Glycol	L
Diethanolamine	S
Diglycolic Acid (30%)	L
Di-Isobutyl Ketone	S
Dimethylamine	S
Dimethyl Formamide	S
Dinonyl Phthalate	N
Dioctyl Phthalate	N
Dioxane Dioxane Ovido	L N
Diphenyl Oxide Electrolyte	L
,	L
Emulsions, Photographic	
Ethanol	L
Ether	N
Ethyl Alcohol	S
Ethyl Alcohol	L
Ethyl Butyrate	S
Ethyl Chloride	N
Ethyl Ether	N
Ethylene Chloride	N
Ethylene Chlorohydrin	L
Ethylene Diamine	L
Ethylene Dichloride	N

Ethylene Glycol	L
Ethylene Oxide	N
Fatty Acids	L
Fatty Alcohol Sulfonate	L
Ferric Salts	L
Ferric Sulfate	L
Ferrous Salts	L
Ferrous Sulfate	L
Fertilizer Salts Fish Solubles	L
Fluoboric Acid	
Fluosilicic Acid (All Conc.)	
Formaldehyde (40%)	
Formamide	L
Formic Acid (All Conc.)	L
Fruit Pulp	ı
Fuel Oil	L
Furfural (100%)	ı
Furfuryl Alcohol	N
Gallic Acid Sat'd	ı
Gasoline	ı
Gasohol	ı
Gelatine	ı
Gin	ı
Gluconic Acid (All Conc.)	ı
Glucose	ı
Glycerine	ı
Glycol	ı
Glycol Ethers	ı.
Glyocolic Acid (All Conc.)	L
Grape Sugar Sat'd Aq. Heptane	
Hexane	
Hexanol Tert	
Hydrazine Hydrate	ı
Hydrosulfite (10%)	ı
Hydroxylamine Sulfate	ı
Hydrazine (35%)	ı
Hydrazine Hydrochloride	ı
Hydroiodic Acid (All Conc.)	ı
Hydrobromic Acid (50%)	ı
Hydrocyanic Acid Sat'd	ı
Hydrochloric Acid (All Conc.)	ı
Hydrofluoric Acid (All Conc.)	L
Hydrofluorisilicic Acid (All Conc.)	ı
Hydrogen Bromide (10%)	L
Hydrogen Peroxide (90%)	ı
	L
	L
Hydrogen Phosphide 100% Hydrogen Sulfide	
Hydroquinone Hydrogen Sulfide	
Hydroquinone Hydrogen Sulfide Hypochlorous Acid	ı
Hydroquinone Hydrogen Sulfide Hypochlorous Acid Inks	L
Hydroquinone Hydrogen Sulfide Hypochlorous Acid	L
Hydroquinone Hydrogen Sulfide Hypochlorous Acid Inks Iodine (Alc. Sol.) Conc.	L L
Hydroquinone Hydrogen Sulfide Hypochlorous Acid Inks Iodine (Alc. Sol.) Conc. Iron Salts	L
Hydroquinone Hydrogen Sulfide Hypochlorous Acid Inks Iodine (Alc. Sol.) Conc. Iron Salts	L L L

15

Jetfuel	s	Oils and Fats	L	Propyl Alcohol	L	Stannous Salts	
Kerosene	s	Oleic Acid (All Conc.)	L	Propylene Dichloride		Starch Solution Sat'd	
Lactic Acid (All Conc.)	L	Oleum Conc.	N	(100%)	L	Stearic Acid (All Conc.)	
Lanolin	L	Olive Oil	L	Propylene Glycol	L	Succinic Acid	
Latex	L	Orange Extract	L	Propylene Oxide	L	Sugar Solutions, Glucose,	
Lead Salts	L	Oxalic Acid (All Conc.)	L	Pyridine	s	Lactose, Sucrose, etc.	
Lead Acetate Sat'd	L	Palmitic Acid	N	Rayon Coagulation Salts	L	Sulfur	
LIME	L	Palm Oil	S	Rust Inhibitors	L	Sulfuric Acid (98%)	
Linseed Oil	L	Paraffin Emulsions	L	Sea Water	L	Sulfuric Acid, Fuming	
Lithium Salts	L	Paraffin Oil	L	Selenic Acid	L	Sulfurous Acid	
Lube Oil	L	Perchloric Acid (50%)	L	Sewage	L	Sulfuryl Chloride	
Magnesium Salts	L	Perchloroethylene	N	Shortening	L	Tallow	
Magnesium Carbonate	L	Petroleum	L	Silicic Acid	L	Tannic Acid	
Magnesium Hydroxide	L	Petroleum Ether	S	Silicone Oil	L	Tanning Extracts	
Magnesium Nitrate	L	Phenol (90%)	N	Silver Salts	L	Tartaric Acid Sat'd	
Magnesium Oxide	L	Phenylhydrazine	N	Silver Nitrate	L	Tetrachloroethane	
Magnesium Sulfate	L	Phosphoric Acid All Conc	L	Soda Solution (All Conc.)	L	Tetrachloroethylene	
Maleic Acid	L	Phosphorous Chlorides	S	Soda Ash	L	Tetraethyl Lead	
Malic Acid (1%)	L	Phosphorous Yellow (100%)	L	Sodium Salts	L	Tetrahydrofuran	
Mercuric Salts	L	Phosphorous Pentoxide	L	Sodium Acetate Sat'd	L	Tetrahydronaphthalene	
Mercurous Salts	L	Photographic Solutions	L	Sodium Acrylates	L	Thionyl Chloride	
Mercury	L	Phthalic Acid (All Conc.)	L	Sodium Benzoate	L	Tin Salts	
Methanol	L	Phthalic Anhydride	L	Sodium Bicarbonate	L	Titanium Salts	
Methyl Acetate	L	Pickling Baths, Sulfuric Acid,	L	Sodium Bisulfate (10%)	L	Toluene	
Methyl Alcohol (100%)	L	Hydrochloric Acid	-	Sodium Bisulfite	L	Toluene Sulfonic Acid (All	
Methyl Amine (32%)	L	Picric Acid (1%)	L	Sodium Bromate	s	Conc.)	
Methyl Bromide	N	Plating Solutions	L	Sodium Bromide	L	Transformer Oil	
Methyl Chloride	N	Potash	L	Sodium Bromide Dilute Sol.	L	Tributylphosphate	
Methylene Chloride	N	Potassium/Aluminum		Sodium Carbonate	L	Trichloroacetic Acid	
Methyl Ethyl Ketone	s	Sulfates (50%)	L	Sodium Chlorate	L	Trichloroethane	
Methyl Isobutyl Ketone	S	Potassium Bichromate	L	Sodium Chloride	L	Trichloroethylene	
Methyl Isopropyl ketone	S	Potassium Borate (10%)	L	Sodium Chlorite	L	Tricresyl Phosphate	
Methyl Sulfate	L	Potassium Bromide	L	Sodium Chromate	L	Triethanolamine	
Methyl Sulfuric Acid (All	L	Potassium Chlorate	L	Sodium Disulfite	L	Trioctyl Phosphate	
Conc.)	•	Potassium Chloride	L	Sodium Dithionite (10%)	L	Trisodium Phosphate	
Milk	L	Potassium Chromate	L	Sodium Ferricyanide	L	Sat'd L	
Mineral Oils	L	Potassium Cyanide	L	Sodium Ferrocyanide Sat'd	L	Trichloroethylene	
Molasses	L	Potassium Dichromate 40%	L	Sodium Fluoride Sat'd	L	Turpentine Oil	
Monochloroacetic Acid	L	Potassium Ferri/ Ferro	L	Sodium Hydroxide Conc.	L	Urea	
Ethyl Ester	-	Cyanide Sat'd		Sodium Hypochlorite	L	Urine	
Monochloroacetic Acid	L	Potassium Fluoride	L	Sodium Iodide	L	Vegetable Oils	
Methyl Ester		Potassium Hydroxide	L	Sodium Nitrate	L	Vinegar	
Morpholin	L	Potassium Iodide	L	Sodium Oxalate	L	Vanilla Extract	
Mowilith D	L	Potassium Nitrate Sat'd	L	Sodium Persulfate	L	Wax Alcohol	
Muriatic AcidLNaptha	S	Potassium Perborate Sat'd	L	Sodium Phosphate	L	Wetting Agents	
Napthalene	s	Potassium Perchlorate	L	Sodium Silicate	L	Whisky	
Nickel Salts	L	Potassium Permanganate	L	Sodium Sulfate	L	White Acid (75%)	
Nicotine, Dilute	L	Potassium Persufate Sat'd	L	Sodium Sulfide	L	Wine	
Nicotinic Acid	L	Potassium Phosphates	L	Sodium Sulfite	L	Xylene	
Nitric Acid <50%	L	Potassium Sulfate	L	Sodium Sulfonates	L	Yeast	
Nitrobenzene	S	Propanol	L	Sodium Thiosulfate	L	Zinc Salts	
Nitrotoluene	s	Propargyl Alcohol (7%)	L	Spindle Oil	L	Zinc Sulfate	
Octyl Cresol	L	Propionic Acid (50%)	L	Stannic Salts	L		

## Important User Notice

This data is a compilation of existing data obtained from leading chemical companies and independent reports and does not represent actual testing conducted. This report is offered as a guide and was developed from information which, to the best of our knowledge, was reliable and accurate. Due to variables and conditions of application beyond our control, none of the data shown in this guide is to be construed as a guarantee, expressed or implied. We assume no responsibility, obligation, or liability in conjunction with the use or misuse of the information herein.



# Spill Absorbents -An Overview

## What are spill absorbents?

Spill absorbents are any material that will safely and reliably soak up spills of a hazardous nature. However, the key words here are safely and reliably and many materials are risky when used in hazardous situations. To that end, we have grouped our solutions into 2 types that rise to those measures:

- 1. Loose Absorbents
- 2. Polypropylene Sorbents

#### What are Loose Absorbents?

Loose absorbents are granulated material typically supplied in varying size bags. Loose absorbents work particularly well on rough or damaged surfaces, or any situation where pad-style sorbents could prove ineffective

At Hazero we have 4 different types of loose absorbent:

- 1. Mineral Sponge an inert mineral, white and chalky in texture
- 2. Enviropeat a sphagnum peat, brown and 100% organic
- 3. Rocksorb a non-toxic pumice absorbent, mined in
- 4. Absorbent W a reclaimed pulp product, floats and selectively absorb hydrocarbons

#### What are Polypropylene Sorbents?

Polypropylene sorbents are a rugged range of products, made from melt-blown polypropylene, which is a very fast and effective absorbent, and one that will hold and retain liquid like nothing else. It is a synthetic product that has no shelf life, meaning they lose none of their effectiveness, regardless of their age.

Polypropylene sorbents come in 6 different forms:

- 1. Pads roughly 500mm square, and widely used for cleaning up spills on flat surfaces.
- 2. Rolls same as the above but supplied in roll form. Rolls come in 50m lengths with options of 400 or 800mm in width.

- 3. Socks 75mm in diameter, and either 1.2 or 3m in length. Designed to surround a spill and prevent it from spreading further.
- 4. Pillows not unlike what we sleep on, just a bit smaller! Their purpose is for plugging drain grates or going under machinery.
- Booms a much larger version of the sock, these come in 3m lengths with options of 130 or 200mm in diameter. Booms are designed to float and selectively absorb oils and other hydrocarbons off water.
- 6. Sump Pillows these are a tube-shaped pillow which will repel water and selectively absorb hydrocarbons from drains and boat bilges. They come with a short rope to secure in place.

# What is the difference between Oil Only, General Purpose and Chemical sorbents?

It is important to know the difference between the 3 types of sorbent products - noting that the same terminology is also used for spill response kits.

- Oil Only: will repel water and selectively absorb oils, fuels and other hydrocarbons. Typically used in marine situations. White in colour.
- General Purpose: will absorb the above liquids but also water-soluble liquids as well, such as coolants, brake fluid, paints and mild chemicals. Grey in colour.
- Chemical: designed to absorb all the above but also most of the nasty acids, alkalis and other harsh chemicals. Bright yellow in colour.

Controlco Sorbent Sock - Oil Only Controlco Sorbent Pillow - General Purpose Controlco Sorbent Pad - Chemical

# Oil Only, General Purpose or Chemical - what do I

Our Polypropylene Compatibility Guide can help you choose the right sorbent to control and clean-up your hazardous substance.

Available on page 22.

#### How much do sorbents absorb?

This will depend entirely on the liquid being absorbed and the viscosity of that liquid. Generally speaking, one sorbent pad will absorb up to 1L of fuel, light oil or mild chemical. For more details on individual products, please refer to the specification sheets on our website.

## How do I dispose of used absorbents?

This does vary from region to region around the country, with different requirements coming from regional councils, depending on what facilities they have in the area to manage and take hazardous waste and clean up material.

We recommend you call your local council or visit their website, for disposal instructions specific to your region.



# How do I use sorbents to control and clean-up a hazardous substance spill?

Mostly the process for cleaning up smaller and non-hazardous spills is straight forward. However, there are some good practice guidelines that we have drawn up, which will help safeguard you or those responding, to ensure the impact of the spill is minimised and cleaned up as effectively as possible.

Refer to page 21.





# Spill Response Procedure



# Assessment and Assistance

- · Assist injured persons, ensuring your own safety is not compromised
- · Evacuate all unrequired personnel from the area
- Assess your capability to manage the spill based on the amount spilt and what you have to respond to it
- · Report incident to management and call for further assistance if required



# **7** Personal Protection

- Assess the nature of the liquid spilt, referring to MSDS sheets if available
- Select and fit the appropriate level of personal protective equipment (PPE)



# **2** Containment

- Stop the spill at the source if safe and possible to do so
- · Isolate nearby storm water drains using drain protectors or sorbent pillows
- Surround the spill using sorbent socks



# **Spill Absorption and Disposal**

- Ensure that your absorbent is suitable for use with the liquid in question
- Working from the outer edge of the spill and working back towards the source, use sorbent pads and loose absorbents to mop up the spill liquid
- Once mop up is completed, place all contaminated absorbents and PPE into dedicated waste disposal bags or salvage drums
- Decontaminate equipment and personnel
- Arrange removal of contaminated products with a reputable waste collection provider





# **Debrief and Conclusion**

- · Advise management that the incident is complete
- Refer report to any applicable safety committee
- Review the incident and ensure that response procedures were followed correctly





## Restock your Spill Kit

• Be prepared for any future spills by restocking any sorbents, loose absorbents, or any other item you may have used to clean up the spill.

# Using Sorbents in a Hazardous Substance Spill

# **Using Sorbent Socks**

- 1. Use the socks to dam the spill.
- 2. Surround leaking containers.
- 3. Form a barrier around drains.

# **Using Sorbent Pillows**

 Use sorbent pillows to pick up large, deeper spills.

# **Using Hazardous Waste Bags**

- 1. Use the Waste Bag to place all contaminated sorbents and personal protective equipment.
- 2. Contact your local council for the correct disposal procedures in your specific area.

## **Using Sorbent Pads**

1. Use the pads to mop up the spill, working back from the socks towards the source of the leak.

# **Using Loose Absorbents**

1. Use the loose absorbent on uneven surfaces or rough ground.

# **Refilling Spill Kits**

Make sure you are prepared for any future spills by replacing any used items and keep your Spill Kit topped up.









# Choosing the Right Polypropylene Sorbent

Spill Kits are packed with polypropylene sorbents to help you control and clean-up hazardous substance spills quickly and most importantly, safely. Our sorbents are available in three types; **oil only, general purpose and chemical.** 

Oil only sorbents are white in colour, general purpose sorbents are grey, and chemical sorbents are yellow.

The chart below will help you pick the right sorbent for your hazardous substance spill.

If a particular chemical is not listed below, please contact our expert team.

# **Polypropylene Chemical Compatibility Guide**



		Se				Se	
		ă.				r d	
	_	General Purpose	<u>e</u>		<u>~</u>	General Purpose	<u>e</u>
	Oil-Only	ner	Chemica		Oil-Only	ner	Chemical
	ē	g	Š		Ö	Ge	£
Isobutyl Alcohol				Propanol			
Isobutyric Acid				Propionic Acid			
Isopropyl Acetate				Propyl Alcohol			
Isopropyl Alcohol				Propylene Glycol	_		
Kerosene				Quinoline			
Keytones				Resorcinol			
Linseed Oil				Saccharose			
Lubricating Oil				Salt Solutions (metallic)			
Magnesium Oxide Hydrate				Silicone Oil			
Methyl Alcohol				Silver Nitrate			
Methyl Chloride				Soap Solutions			
Methyl Ether				Sodium Bicarbonate			
Methyle Ethyl Ketone				Sodium Chloride			
Methylmethacrylate				Sodium Hydroxide			
Methyl Propionate				Sodium Nitrate			
Milk				Stannic Chloride			
Mineral Oil				Starch			
Mineral Spirits				Styrene			
Motor Oil				Sucrose			
Naphtalene				Sulphuric Acid			
Nitric Acid				Synthetic Motor Oil			
Nitrobenzene Acid				Tannic Acid			
Nitrobenzol				Tin Chloride			
Nitrotoluen				Toluene			
Octane				Transformer Oil			
Oleic Acid				Trichlorethylene			
Olive Oil				Triethylene Glycol			
Paraffin				Turpentine			
Perchlorethylene				Urine			
Petroleum Ether				Vinegar			
Phenol				Vinyl Acetate			
Phenyl Formic Acid				Water			
Phosphoric Acid				Xylene			
Potassium Hydroxide							

This information is provided as a guide only. No claims or warranties are expressed or implied as to the absolute accuracy of the data supplied. In all cases it is assumed chemicals in question are at ambient temperatures and pressure and are used in basic state, not in combination or mixtures. Small test sampling by users is recommended to ensure safe application.

# Safety Showers -An Overview



A safety shower is a plumbed-in fixture designed as a first response measure to wash-down personnel that have been splashed or doused in a hazardous liquid or substance.

#### What is an Eye Wash/Face Wash unit?

An eye wash is either a permanent plumbed-in fixture or mobile unit designed as a first response measure to wash the eyes and/or face of a person that has been splashed by a hazardous liquid or substance.

# What is the difference between Safety Showers and Eye Wash Units?

Safety Showers drench and wash-down the whole body, whereas an eye/face wash are designed to rinse the eye and facial areas only.

# Differences between free-standing, wall mounted and portable options?

Free-standing/Pedestal

Provides the ability to mount the unit in an open area so it can be near areas of risk and easily visible and accessible to surrounding users.





# Wall mounted

Excellent for corridors, walkway areas or in situations where chemicals are being handled within a walled or workbench area.



#### Portable

Gravity fed and pocket eye wash units are great for mobile operators or smaller satellite sites and areas. Chemicals in the eye cause serious damage within 1-5 seconds. Washing eyes within a few seconds can be key in minimising eye damage.





## How does a Safety Shower work?

Upon arriving at the unit, the user either pulls down on a lever above and depending on the model, operates a hand lever or foot pedal to turn on the eye/face wash function.

# What are the Safety Shower and Eye Wash regulations in New Zealand?

Enware's emergency systems have been independently tested and certified compliant to Australian Standard AS4775 sections 5.1 to 6.3 as well as ANSI Z358.1.

# What is Vertech™ Technology?

This technology has been designed to create a Zero Velocity point. The reduced water velocity is gentle and effective, helping allow a greater amount of time in the flushing zone, which is important especially when cleansing the sensitive eyeballs from hazardous materials.

#### How do I install a Safety Shower?

Installation of Safety Showers, Eye and Eye/Face Wash Units showers should be in accordance with AS/NZS4775-2007 or ANSI Standard Z358.1-2009 - whichever is applicable to the installation.

## Where should I put a Safety Shower?

Emergency Safety Showers and Eye/Face Wash Units should be available for immediate use. It shall take no longer than 10 seconds for an individual to reach the nearest facility. Factors that influence the location of emergency facilities include workplace lighting, obstructions to the path of travel and the work environment.

It should be noted that some situations may warrant the placement of equipment significantly closer to the hazard. In these situations, such as exposure to highly corrosive chemicals, the proper distances should be selected based on the advice from appropriate consultants. For situations such as exposure to strong acids or alkalis, due consideration needs to be given to possible reaction between the flushing fluid and the chemical if the flushing fluid enters a bulk container of the chemical.

## What other accessories are available?

- Emergency Shower and Eye Wash Location Sign
- Emergency Eye Wash Location Sign
- Eye Wash Anti-Bacteria Water Preservative
- Anti-freeze Valve
- Anti-Static Shower Tester

## Do Eyewash solutions expire?

The 1L Eye Wash bottles and Pocket Eye Wash solution have a 3-year shelf-life from time of manufacture.

# What workplaces need a Safety Shower or Eye/Face Wash Unit?

Any workplace that uses hazardous substances that pose a significant risk to the health and safety of their workers should have a Safety Shower or Eye/Face Wash Unit available on site.

This may include, but is not limited to:

- Manufacturing plants
- Aviation sector
- Workplaces that transport for store dangerous goods
- Schools, universities, public swimming pools areas that are not normally deemed high risk but have the potential to cause issues due to the range of chemicals they may store
- Hospitals, medical clinics and laboratories

Speed is critical in a first aid response to a hazardous substance injury. Any delay in treatment could cause serious or permanent injury.

# Drain Protection -An Overview

#### What is Drain Protection?

Drain protection is a commonly used term for methods used to prevent hazardous substances getting into the stormwater system.

## Why do I need to protect my drain?

Most of us would probably have no idea the complexity of the drainage systems below us. However, in most urban areas, run-off from the drains we work around, eventually flows into rivers, lakes or into the sea.

In most areas of New Zealand, this run-off isn't treated before it is discharged into these environments. Therefore, any hazardous substances that go down the stormwater drains at our worksites, could quickly cause serious harm to fish, animals, plant, and birdlife. Even small spills can have a wide and devastating impact.

Using effective drain protection will prevent contaminants from causing this level of harm and keep them within your area of control.

# Are there different types of drain protection?

Drain protection comes in two forms: either as a filtration device that captures contaminants while allowing clean water to pass through, or in the form of a complete seal that prevents all liquids from passing through.

#### **Filtration**

## **Drain Warden**

A very simple yet effective measure for preventing silt run-off and rubbish from entering the storm water system. Leave inserted as a short term collection device. Very easy to fit - just cut to suit your drain size. Easy to service.

#### **Storm Sentinel**

The adjustable catch basin. A self-supporting unit that sits out of sight below your drain grate, the Storm Sentinel is one of the most effective ways of preventing sediment from entering the storm water system. The oil absorbent media inside ensures that small hydrocarbons spills are captured on the way through also.

# Complete Seals

# Spill Berm

Fast protection for when a spill is headed right for your drain - just place it in front of the spill, to securely contain the liquid. Ideal for applications such as spill response, temporary secondary containment and sealing of doorways during wash down.

#### **Drain Protector - Nitrile**

Economical drain protection made easy. A valuable addition to any Spill Kit, this cover has great resistance to oils, petroleum's, and mild acids

## **Drain Protector - Polyurethane**

Ultimate protection, reusable time and time again. A solid but flexible material that gives you an unbeatable seal against the harshest chemicals. Reusable, reversible and environmentally safe.

#### **Drain Protector Storage Case**

Keep your drain protector visible, accessible and clean. Clearly labelled and constructed from UV resistant PVC. Note these are specifically for the Polyurethan Drain Protector seals.

# Which workplaces need drain protection?

Any worksite that stores or uses hazardous substances, and have drains that are exposed to these substances, and aren't protected by an existing filtration or trade waste system.

# **Choosing A Drain Protector**

Most of us would probably have no idea the complexity of the drainage systems below us. However, in most urban areas, run-off from the drains we work around, eventually flows into rivers, lakes or into the sea.

Drain protection is a commonly used term for methods used to prevent hazardous substances getting into the stormwater system.

The table below breaks down the different types of Drain Protectors available from Hazero.

## Filtration: device that captures contaminants while allowing clean water to pass through

Hazero Product	Made of	Size	Reusable?
<b>Controlco Drain Warden</b> 22-1009	Tough geo-textile	600 x 1,200 x 1,200mm (h,w,d)	Yes, for a limited amount of time.
Storm Sentinel Round: 22-1010 Square: 22-1011	Tough geo-textile	Round: Fits round drains from 685mm up to 740mm Square: Fits rectangular drains from 406 x 580mm up to 711 x 914mm	Yes, for a limited amount of time.







# Complete Seal: prevents all liquids from passing through.

Hazero Product	Made of	Size	Reusable?
Spill Berm 22-1007	Polyurethane	One - a 3m length, but you can easily join multiple lengths together to form a longer barrier.	Yes, it can be washed and if placed back into its protective packaging, can be stored ready for use again.
<b>Drain Protector - Nitrile</b> Small: 22-1012 Large: 22-1013	Nitrile	Small: 600 x 600mm Large: 1,000 x 1,200mm	Yes, as long as they remain flexible and are kept clean.
<b>Drain Protector - Polyurethane</b> Small: 22-1000 Large: 22-1001	Polyurethane	Small: 600 x 600mm Large: 900 x 900mm	Yes, it can be washed and if placed back into its protective packaging, can be stored ready for use again.







# **Product List by Category**

STORE	
Flammable Liquids	
Flammable Cabinet - 30L	04-1063
Flammable Cabinet - 60L	04-1064
Flammable Cabinet - 100L	04-1065
Flammable Cabinet - 160L	04-1066
Flammable Cabinet - 250L	04-1067
Flammable Cabinet - 350L	04-1069
Corrosive Liquids	
Corrosive Cabinet - 30L	04-1070
Corrosive Cabinet - 60L	04-1071
Corrosive Cabinet - 100L	04-1072
Corrosive Cabinet - 160L	04-1073
Corrosive Cabinet - 250L	04-1074
Oxidising Agents	1
Oxidising Agent Cabinet - 30L	04-1200
Oxidising Agent Cabinet - 60L	04-1201
Oxidising Agent Cabinet - 100L	04-1202
Oxidising Agent Cabinet - 160L	04-1203
Oxidising Agent Cabinet - 250L	04-1204
Organic Peroxide	
Organic Peroxide Cabinet - 30L	04-1300
Organic Peroxide Cabinet - 100L	04-1301
Organic Peroxide Cabinet - 160L	04-1302
Toxic Substances	
Toxic Cabinet - 30L	04-1140
Toxic Cabinet - 60L	04-1141
Toxic Cabinet - 100L	04-1142
Toxic Cabinet - 160L	04-1143
Toxic Cabinet - 250L	04-1144
Cabinet Accessories	1
DG Cabinet Shelf - 30/60L	04-1063P
DG Cabinet Shelf - 100L	04-1065P
DG Cabinet Shelf - 160L	04-1066P
DG Cabinet Shelf - 250L	04-1067P
DG Cabinet Shelf - 350L	04-1069P
Corrosive Cabinet Tray – 30/60L	04-1075
Corrosive Cabinet Tray – 100L	04-1076
Corrosive Cabinet Tray – 250L	04-1077
Spare Handle	04-10612
Spare Key	04-10611
Document Holder - Red	01-10301
Agrichemicals	
Agrichemical Cabinet - 250L	04-1146
Gas Cylinders	1
Gas Cylinder Store - Medium	04-1091
Gas Cylinder Store - Large	04-1092
Gas Cylinder Store - 2 x 9kg	04-1119
Gas Cylinder Store - 4 x 9kg	04-1112
Gas Cylinder Store - 6 x 9kg	04-1126
Gas Cylinder Store - 8 x 9kg	04-1113
Gas Cylinder Store - 2 x 18kg	04-1030
Gas Cylinder Store - 4 x 18kg	04-1096
Tall Gas Cylinder Store - Medium	04-1099
Tall Gas Cylinder Store - Large	04-1114
Tall Gas Cylinder Store - Extra Large	04-1100
Aerosols	1
Aerosol Store - 18 can	04-1110
Aerosol Store - 72 can	04-1108
Aerosol Store - 180 can	04-1109
Aerosol Store - 300 can	04-1098
Explosives	1
Explosives Storage Day Box - 20kg	04-1121
Explosives Storage Cabinet - 100kg	04-1122
28	

tegory	
Outdoor Stores	
Outdoor DG Store - 160L	04-1118
Outdoor DG Store - 250L	04-1105
Outdoor DG Store - 350L	04-1106
Outdoor DG Store - 450L	04-1095
Outdoor DG Store - 850L	04-1102
Bulk Outdoor DG Store – 2m x 2m	04-1132
Bulk Outdoor DG Store – 2m x 2m	04-1133
Extension Pack Safety Cans	
Oily Waste Can - 23L	04-2004
Oily Waste Can - 38L	04-2005
Flammable Plunger Can - 1L	04-2002
Flammable Plunger Can - 2L	04-2003
Flammable Safety Can - 4L	04-2000
Flammable Safety Shelf Can - 19L	04-2001
CONTAIN	
Spill Trays	
Spill Tray - 20L	01-1032
Spill Tray - 40L	01-1036
Spill Tray - 60L	01-1038
Spill Tray - 100L	01-1040
Low Profile Work Floors	104 10
Work Floor - Small	01-1022
Work Floor - Large	01-1023
Work Floor Ramp	01-1024
Work Floor Sump Connector	01-1088
Spill Deck - 1 Drum	01-1072
Spill Deck - 2 Drum	01-1073
Spill Deck - 4 Drum	01-1074
Spill Deck - 1 Drum with Bladder	01-1082
Spill Deck - 2 Drum with Bladder	01-1083
Spill Deck - 4 Drum with Bladder	01-1084
Spill Deck Ramp	01-1081
Spill Deck Bladder Attachment	01-1075
Spill Pallets - Drum / IBC	04.4000
Spill Pallet - 2 Drum	01-1020
Spill Pallet - 4 Drum	01-1021
Spill Pallet - 4 Drum Inline	01-1043
Spill Pallet - Single IBC	01-1025
Spill Pallet Dispenser - Single IBC	01-1027
IBC Cover - Single IBC	01-1030L
Spill Pallet - Double IBC	01-1026
Spill Pallet Dispenser - Double IBC	01-1028
IBC Cover - Double IBC	01-1031
Spill Pallet - Triple IBC	01-1095
Modular Spill Pallet - 3 IBC	01-1085
Modular Spill Pallet - 4 IBC	01-1086
Modular Spill Pallet - 5 IBC  Flexible Containment	01-1087
Flexi Bund	02-1006
Flexi Bund - Corner Section	02-1008
Flexi Bund - Contact Adhesive	02-1008
Flexi Bund - Alloy Stripping and	02-1009
Anchors	02-1014
Spillpal - 1 Drum	02-1000
Spillpal - 2 Drum	02-1001
Spillpal - 4 Drum	02-1002
Spillpal - 4 Drum Inline	02-1003
Spillpal - 6 Drum	02-1003
Spillpal - 8 Drum	02-1004
EnviroPad - Small	01-1104
Environad Modium	01-110-

EnviroPad - Medium

EnviroPad - Large	01-1106
EnviroPad - Xlarge	01-1107
EnviroPad - XXLarge	01-1108
Mobile Containment	
Drum Trolley	01-1029
Outdoor Containment	
Roll Top - 2 Drum	01-1061
Roll Top - 4 Drum	01-1078
Roll Top - Single IBC	01-1079
Roll Top - Double IBC	01-1080
Overpack Drums	
Overpack - 20L	03-1003
Overpack - 100L	03-1001
Overpack - 200L	03-1000
CONTROL & CLEAN-UP	
Sorbent Pads	
Sorbent Pad - Oil Only - Light	06-1000
Weight	
Sorbent Pad - Oil Only - Heavy	06-1001
Weight	
Sorbent Pad - Oil Only - Heavy	06-1001-
Weight - 10 Pack Sorbent Pad - Oil Only - Super	06-1005
Weight	00 1003
Sorbent Pad - General Purpose -	06-1002
Heavy Weight	
Sorbent Pad - General Purpose -	06-1002-
Heavy Weight - 10 Pack Sorbent Pad - Chemical	06-1003
Sorbent Pad - Chemical - 10 Pack	06-1003
Sorbent rad - Chemicar - 10 rack	10
Sorbent Pad - Organic - General	06-1009
Purpose	
Drum Top Pad - Oil Only	06-1020
Drum Top Pad - General Purpose	06-1021
Sorbent Rolls	T
Sorbent Roll - Oil Only - 400mm	07-1004
Sorbent Roll - Oil Only - 800mm	07-1007
Sorbent Roll - General Purpose - 400mm	07-1005
Sorbent Roll - General Purpose -	07-1001
800mm	
Sorbent Roll - Dispenser - 400mm	07-1009
Sorbent Roll - Dispenser - 800mm	07-1010
Sorbent Socks	
Sorbent Sock - Oil Only - 1.2m	08-1000
Sorbent Sock - Oil Only - 1.2m Sorbent Sock - Oil Only - 3.6m	08-1000 08-1001
Sorbent Sock - Oil Only - 1.2m Sorbent Sock - Oil Only - 3.6m Sorbent Sock - General Purpose -	
Sorbent Sock - Oil Only - 1.2m Sorbent Sock - Oil Only - 3.6m Sorbent Sock - General Purpose - 1.2m	08-1001 08-1002
Sorbent Sock - Oil Only - 1.2m Sorbent Sock - Oil Only - 3.6m Sorbent Sock - General Purpose - 1.2m Sorbent Sock - General Purpose -	08-1001
Sorbent Sock - Oil Only - 1.2m Sorbent Sock - Oil Only - 3.6m Sorbent Sock - General Purpose - 1.2m	08-1001 08-1002
Sorbent Sock - Oil Only - 1.2m Sorbent Sock - Oil Only - 3.6m Sorbent Sock - General Purpose - 1.2m Sorbent Sock - General Purpose - 3.6m	08-1001 08-1002 08-1004
Sorbent Sock - Oil Only - 1.2m Sorbent Sock - Oil Only - 3.6m Sorbent Sock - General Purpose - 1.2m Sorbent Sock - General Purpose - 3.6m Sorbent Sock - Chemical - 1.2m	08-1001 08-1002 08-1004 08-1005
Sorbent Sock - Oil Only - 1.2m Sorbent Sock - Oil Only - 3.6m Sorbent Sock - General Purpose - 1.2m Sorbent Sock - General Purpose - 3.6m Sorbent Sock - Chemical - 1.2m Sorbent Sock - Chemical - 3.6m	08-1001 08-1002 08-1004 08-1005
Sorbent Sock - Oil Only - 1.2m Sorbent Sock - Oil Only - 3.6m Sorbent Sock - General Purpose - 1.2m Sorbent Sock - General Purpose - 3.6m Sorbent Sock - Chemical - 1.2m Sorbent Sock - Chemical - 3.6m Sorbent Pillows	08-1001 08-1002 08-1004 08-1005 08-1006
Sorbent Sock - Oil Only - 1.2m Sorbent Sock - Oil Only - 3.6m Sorbent Sock - General Purpose - 1.2m Sorbent Sock - General Purpose - 3.6m Sorbent Sock - Chemical - 1.2m Sorbent Sock - Chemical - 3.6m Sorbent Pillows Sorbent Pillow - Oil Only	08-1001 08-1002 08-1004 08-1005 08-1006
Sorbent Sock - Oil Only - 1.2m Sorbent Sock - Oil Only - 3.6m Sorbent Sock - General Purpose - 1.2m Sorbent Sock - General Purpose - 3.6m Sorbent Sock - Chemical - 1.2m Sorbent Sock - Chemical - 3.6m Sorbent Pillows Sorbent Pillow - Oil Only Sorbent Pillow - General Purpose Sorbent Pillow - Chemical Marine Booms	08-1001 08-1002 08-1004 08-1005 08-1006 09-1000 09-1001
Sorbent Sock - Oil Only - 1.2m Sorbent Sock - Oil Only - 3.6m Sorbent Sock - General Purpose - 1.2m Sorbent Sock - General Purpose - 3.6m Sorbent Sock - Chemical - 1.2m Sorbent Sock - Chemical - 3.6m Sorbent Pillows Sorbent Pillow - Oil Only Sorbent Pillow - General Purpose Sorbent Pillow - Chemical Marine Booms Sorbent Boom - Oil Only - 130mm	08-1001 08-1002 08-1004 08-1005 08-1006 09-1000 09-1001
Sorbent Sock - Oil Only - 1.2m Sorbent Sock - Oil Only - 3.6m Sorbent Sock - General Purpose - 1.2m Sorbent Sock - General Purpose - 3.6m Sorbent Sock - Chemical - 1.2m Sorbent Sock - Chemical - 3.6m Sorbent Pillows Sorbent Pillows Sorbent Pillow - Oil Only Sorbent Pillow - General Purpose Sorbent Pillow - Chemical Marine Booms Sorbent Boom - Oil Only - 130mm Sorbent Boom - Oil Only - 200mm	08-1001 08-1002 08-1004 08-1005 08-1006 09-1000 09-1001 09-1002
Sorbent Sock - Oil Only - 1.2m Sorbent Sock - Oil Only - 3.6m Sorbent Sock - General Purpose - 1.2m Sorbent Sock - General Purpose - 3.6m Sorbent Sock - Chemical - 1.2m Sorbent Sock - Chemical - 3.6m Sorbent Pillows Sorbent Pillows Sorbent Pillow - Oil Only Sorbent Pillow - General Purpose Sorbent Pillow - Chemical Marine Booms Sorbent Boom - Oil Only - 130mm Sorbent Boom - Oil Only - 200mm Sump Pillows	08-1001 08-1002 08-1004 08-1005 08-1006 09-1000 09-1001 09-1002
Sorbent Sock - Oil Only - 1.2m Sorbent Sock - Oil Only - 3.6m Sorbent Sock - General Purpose - 1.2m Sorbent Sock - General Purpose - 3.6m Sorbent Sock - Chemical - 1.2m Sorbent Sock - Chemical - 3.6m Sorbent Pillows Sorbent Pillow - Oil Only Sorbent Pillow - General Purpose Sorbent Pillow - Chemical Marine Booms Sorbent Boom - Oil Only - 130mm Sorbent Boom - Oil Only - 200mm Sump Pillows Sump Pillows	08-1001 08-1002 08-1004 08-1005 08-1006 09-1000 09-1001 09-1002
Sorbent Sock - Oil Only - 1.2m Sorbent Sock - Oil Only - 3.6m Sorbent Sock - General Purpose - 1.2m Sorbent Sock - General Purpose - 3.6m Sorbent Sock - Chemical - 1.2m Sorbent Sock - Chemical - 3.6m Sorbent Pillows Sorbent Pillow - Oil Only Sorbent Pillow - General Purpose Sorbent Pillow - Chemical Marine Booms Sorbent Boom - Oil Only - 130mm Sorbent Boom - Oil Only - 200mm Sump Pillows Sump Pillow Loose Absorbents	08-1001 08-1002 08-1004 08-1005 08-1006 09-1000 09-1001 09-1002 10-1000 10-1001
Sorbent Sock - Oil Only - 1.2m Sorbent Sock - Oil Only - 3.6m Sorbent Sock - General Purpose - 1.2m Sorbent Sock - General Purpose - 3.6m Sorbent Sock - Chemical - 1.2m Sorbent Sock - Chemical - 3.6m Sorbent Pillows Sorbent Pillow - Oil Only Sorbent Pillow - General Purpose Sorbent Pillow - Chemical Marine Booms Sorbent Boom - Oil Only - 130mm Sorbent Boom - Oil Only - 200mm Sump Pillow Loose Absorbents Body Fluid Powder - 1kg tub	08-1001 08-1002 08-1004 08-1005 08-1006 09-1000 09-1001 09-1002 10-1000 10-1001 08-1007
Sorbent Sock - Oil Only - 1.2m Sorbent Sock - Oil Only - 3.6m Sorbent Sock - General Purpose - 1.2m Sorbent Sock - General Purpose - 3.6m Sorbent Sock - Chemical - 1.2m Sorbent Sock - Chemical - 3.6m Sorbent Pillows Sorbent Pillow - Oil Only Sorbent Pillow - General Purpose Sorbent Pillow - Chemical Marine Booms Sorbent Boom - Oil Only - 130mm Sorbent Boom - Oil Only - 200mm Sump Pillows Sump Pillow Loose Absorbents Body Fluid Powder - 1kg tub Body Fluid Powder - 5kg tub	08-1001 08-1002 08-1004 08-1005 08-1006 09-1000 09-1001 09-1002 10-1000 10-1001 08-1007
Sorbent Sock - Oil Only - 1.2m Sorbent Sock - Oil Only - 3.6m Sorbent Sock - General Purpose - 1.2m Sorbent Sock - General Purpose - 3.6m Sorbent Sock - Chemical - 1.2m Sorbent Sock - Chemical - 3.6m Sorbent Pillows Sorbent Pillow - Oil Only Sorbent Pillow - General Purpose Sorbent Pillow - Chemical Marine Booms Sorbent Boom - Oil Only - 130mm Sorbent Boom - Oil Only - 200mm Sump Pillow Loose Absorbents Body Fluid Powder - 1kg tub	08-1001 08-1002 08-1004 08-1005 08-1006 09-1000 09-1001 09-1002 10-1000 10-1001 08-1007

Mineral Sponge - 14kg Bag	12-1001
Natural Absorbent Fibre – 3kg Bag	11-1010
Natural Absorbent Fibre – 5kg Bag	11-1011
Natural Absorbent Fibre – 15kg Bag	11-1012
Natural Absorbent Fibre – 25kg Bag	11-1013
Enviropeat - 6kg Bag	11-1003
Enviropeat - 22kg Bale (Midi)	11-1001
Ampho-mag Neutraliser	12-1018
Absorbent W - Oil Only	12-1020
Rocksorb - 4L	12-1022
Rocksorb - 20L	12-1023
Starter Spill Kits	
Controlco Starter Spill Kit - Oil Only	13-1075
- 20L	
Controlco Starter Spill Kit - General	13-1076
Purpose - 20L	12 1077
Controlco Starter Spill Kit - Oil Only	13-1077
- 50L Controlco Starter Spill Kit - General	13-1078
Purpose - 50L	13-10/6
Controlco Starter Spill Kit - Oil Only	13-1065
- 100L	15 1005
Controlco Starter Spill Kit - General	13-1063
Purpose - 100L	
Controlco Starter Spill Kit - Oil Only	13-1064
- 200L	
Controlco Starter Spill Kit - General	13-1066
Purpose - 200L	
Spill Kit Storage Box	01-1047
Everyday Spill Kits	
Controlco Everyday Spill Kit - Oil	13-1009
Only - 20L Bag	
Controlco Everyday Spill Kit -	13-1010
General Purpose - 20L Bag Controlco Everyday Spill Kit -	13-1011
Chemical - 20L Bag	13-1011
Controlco Everyday Spill Kit - Oil	13-1013
Only - 20L Pail	
Controlco Everyday Spill Kit -	13-1014
General Purpose - 20L Pail	
Controlco Everyday Spill Kit -	13-1015
Chemical - 20L Pail	
Controlco Everyday Spill Kit - Oil	13-1006
Only - 50L	
Controlco Everyday Spill Kit -	13-1007
General Purpose - 50L	12 1000
Controlco Everyday Spill Kit -	13-1008
Chemical - 50L Controlco Everyday Spill Kit - Oil	13-1003
Only - 100L	13 1003
REFILL - Controlco Everyday Spill Kit	13-1003R
- Oil Only - 100L	
Controlco Everyday Spill Kit -	13-1004
General Purpose - 100L	
REFILL - Controlco Everyday Spill Kit	13-1004R
- General Purpose - 100L	
Controlco Everyday Spill Kit -	13-1005
Chemical - 100L	12 10050
REFILL - Controlco Everyday Spill Kit - Chemical - 100L	13-1005R
Controlco Everyday Spill Kit - Oil	13-1000
Only - 200L	13-1000
REFILL - Controlco Everyday Spill Kit	13-1000R
- Oil Only - 200L	
Controlco Everyday Spill Kit -	13-1001
General Purpose - 200L	<u></u>
REFILL - Controlco Everyday Spill Kit	13-1001R
- General Purpose - 200L	
Controlco Everyday Spill Kit -	13-1002
Chemical - 200L	

REFILL - Controlco Everyday Spill Kit - Chemical - 200L	13-1002R
Premium Spill Kits	
Controlco Premium Spill Kit - Oil	13-1080
Only - 20L	13-1000
Controlco Premium Spill Kit -	13-1081
General Purpose - 20L	15 1001
Controlco Premium Spill Kit -	13-1082
Chemical - 20L	13 1002
Controlco Premium Spill Kit - Oil	13-1083
Only - 50L	13 1003
Controlco Premium Spill Kit -	13-1084
General Purpose - 50L	13 1001
Controlco Premium Spill Kit -	13-1085
Chemical - 50L	
Controlco Premium Spill Kit - Oil	13-1086
Only -100L	
REFILL - Controlco Premium Spill Kit	13-1086R
- Oil Only - 100L	
Controlco Premium Spill Kit -	13-1087
General Purpose - 100L	
REFILL - Controlco Premium Spill Kit	13-1087R
- General Purpose - 100L	
Controlco Premium Spill Kit -	13-1088
Chemical - 100L	
REFILL - Controlco Premium Spill Kit	13-1088R
- Chemical - 100L	
Controlco Premium Spill Kit - Oil	13-1089
Only - 200L	
REFILL - Controlco Premium Spill Kit	13-1089R
- Oil Only - 200L	
Controlco Premium Spill Kit -	13-1090
General Purpose - 200L	
REFILL - Controlco Premium Spill Kit	13-1090R
- General Purpose - 200L	
Controlco Premium Spill Kit -	13-1091
Chemical - 200L	
REFILL - Controlco Premium Spill Kit	13-1091R
- Chemical - 200L	
Specialty Spill Kits	
Body Fluid Spill Kit	13-2000
Biohazard Spill Kit	13-2001
Laboratory Spill Kit	13-2002
Sharps Kit	13-2003
Mercury Spill Kit	13-2008
Cytotoxic Spill Kit	13-2011
Formaldehyde Spill Kit	13-2012
Biosecurity Kit	13-1025
Marine Spill Kit - Hydrocarbons	13-1060
- 100L	40 40
REFILL - Marine Spill Kit -	13-1060R
Hydrocarbons - 100L	
Hydrocarbons - 100L Marine Spill Kit - Hydrocarbons	13-1061
Hydrocarbons - 100L Marine Spill Kit - Hydrocarbons - 200L	13-1061
Hydrocarbons - 100L  Marine Spill Kit - Hydrocarbons - 200L  REFILL - Marine Spill Kit -	13-1061
Hydrocarbons - 100L  Marine Spill Kit - Hydrocarbons - 200L  REFILL - Marine Spill Kit - Hydrocarbons - 200L	13-1061
Hydrocarbons - 100L  Marine Spill Kit - Hydrocarbons - 200L  REFILL - Marine Spill Kit - Hydrocarbons - 200L  Spill Kit Accessories	13-1061 13-1061R
Hydrocarbons - 100L  Marine Spill Kit - Hydrocarbons - 200L  REFILL - Marine Spill Kit - Hydrocarbons - 200L  Spill Kit Accessories  Wheeled Bin - Yellow - 120L	13-1061 13-1061R 14-1005
Hydrocarbons - 100L  Marine Spill Kit - Hydrocarbons - 200L  REFILL - Marine Spill Kit - Hydrocarbons - 200L  Spill Kit Accessories  Wheeled Bin - Yellow - 120L  Wheeled Bin - Blue - 120L	13-1061 13-1061R
Hydrocarbons - 100L  Marine Spill Kit - Hydrocarbons - 200L  REFILL - Marine Spill Kit - Hydrocarbons - 200L  Spill Kit Accessories  Wheeled Bin - Yellow - 120L	13-1061 13-1061R 14-1005
Hydrocarbons - 100L  Marine Spill Kit - Hydrocarbons - 200L  REFILL - Marine Spill Kit - Hydrocarbons - 200L  Spill Kit Accessories  Wheeled Bin - Yellow - 120L  Wheeled Bin - Blue - 120L	13-1061 13-1061R 14-1005 14-1004
Hydrocarbons - 100L  Marine Spill Kit - Hydrocarbons - 200L  REFILL - Marine Spill Kit - Hydrocarbons - 200L  Spill Kit Accessories  Wheeled Bin - Yellow - 120L  Wheeled Bin - Blue - 120L  Wheeled Bin - Red - 120L  Wheeled Bin - Yellow - 240L	13-1061 13-1061R 14-1005 14-1004 14-1003
Hydrocarbons - 100L  Marine Spill Kit - Hydrocarbons - 200L  REFILL - Marine Spill Kit - Hydrocarbons - 200L  Spill Kit Accessories  Wheeled Bin - Yellow - 120L  Wheeled Bin - Red - 120L  Wheeled Bin - Yellow - 240L  Wheeled Bin - Blue - 240L	13-1061R 13-1061R 14-1005 14-1004 14-1003 14-1002 14-1001
Hydrocarbons - 100L  Marine Spill Kit - Hydrocarbons - 200L  REFILL - Marine Spill Kit - Hydrocarbons - 200L  Spill Kit Accessories  Wheeled Bin - Yellow - 120L  Wheeled Bin - Blue - 120L  Wheeled Bin - Red - 120L  Wheeled Bin - Yellow - 240L  Wheeled Bin - Blue - 240L  Wheeled Bin - Red - 240L	13-1061R 13-1061R 14-1005 14-1004 14-1003 14-1002 14-1001 14-1000
Hydrocarbons - 100L  Marine Spill Kit - Hydrocarbons - 200L  REFILL - Marine Spill Kit - Hydrocarbons - 200L  Spill Kit Accessories  Wheeled Bin - Yellow - 120L  Wheeled Bin - Red - 120L  Wheeled Bin - Yellow - 240L  Wheeled Bin - Blue - 240L  Wheeled Bin - Red - 240L  Wheeled Bin - Red - 240L  Wheeled Bin - Red - 240L  Weather and Security Cover -	13-1061R 13-1061R 14-1005 14-1004 14-1003 14-1002 14-1001 14-1000 14-
Hydrocarbons - 100L  Marine Spill Kit - Hydrocarbons - 200L  REFILL - Marine Spill Kit - Hydrocarbons - 200L  Spill Kit Accessories  Wheeled Bin - Yellow - 120L  Wheeled Bin - Red - 120L  Wheeled Bin - Yellow - 240L  Wheeled Bin - Blue - 240L  Wheeled Bin - Red - 240L  Wheeled Bin - Red - 240L  Weather and Security Cover - Orange - 100L	13-1061R 13-1061R 14-1005 14-1004 14-1003 14-1002 14-1001 14-1000 14-1030O
Hydrocarbons - 100L  Marine Spill Kit - Hydrocarbons - 200L  REFILL - Marine Spill Kit - Hydrocarbons - 200L  Spill Kit Accessories  Wheeled Bin - Yellow - 120L  Wheeled Bin - Red - 120L  Wheeled Bin - Yellow - 240L  Wheeled Bin - Blue - 240L  Wheeled Bin - Red - 240L  Wheeled Bin - Red - 240L  Weather and Security Cover - Orange - 100L  Weather and Security Cover -	13-1061R 13-1061R 14-1005 14-1004 14-1003 14-1002 14-1001 14-1000 14- 1030O 14-
Hydrocarbons - 100L  Marine Spill Kit - Hydrocarbons - 200L  REFILL - Marine Spill Kit - Hydrocarbons - 200L  Spill Kit Accessories  Wheeled Bin - Yellow - 120L  Wheeled Bin - Red - 120L  Wheeled Bin - Yellow - 240L  Wheeled Bin - Blue - 240L  Wheeled Bin - Red - 240L  Wheeled Bin - Red - 240L  Wheeled Bin - Red - 20L  Wheeled Bin - Red - 240L  Wheeled Bin - Red - 240L  Weather and Security Cover - Orange - 100L  Weather and Security Cover - Orange - 200L	13-1061R 13-1061R 14-1005 14-1004 14-1003 14-1000 14-1000 14-10300 14-10310
Hydrocarbons - 100L  Marine Spill Kit - Hydrocarbons - 200L  REFILL - Marine Spill Kit - Hydrocarbons - 200L  Spill Kit Accessories  Wheeled Bin - Yellow - 120L  Wheeled Bin - Blue - 120L  Wheeled Bin - Red - 120L  Wheeled Bin - Blue - 240L  Wheeled Bin - Red - 240L  Wheeled Bin - Red - 240L  Weather and Security Cover - Orange - 100L  Weather and Security Cover - Orange - 200L  Safety Gloves - Nitrile	13-1061R 13-1061R 14-1005 14-1004 14-1003 14-1000 14-1030O 14-1031O 14-1007
Hydrocarbons - 100L  Marine Spill Kit - Hydrocarbons - 200L  REFILL - Marine Spill Kit - Hydrocarbons - 200L  Spill Kit Accessories  Wheeled Bin - Yellow - 120L  Wheeled Bin - Red - 120L  Wheeled Bin - Yellow - 240L  Wheeled Bin - Blue - 240L  Wheeled Bin - Red - 240L  Wheeled Bin - Red - 240L  Wheeled Bin - Red - 20L  Wheeled Bin - Red - 240L  Wheeled Bin - Red - 240L  Weather and Security Cover - Orange - 100L  Weather and Security Cover - Orange - 200L	13-1061R 13-1061R 14-1005 14-1004 14-1003 14-1000 14-1000 14-10300 14-10310

Protective Coveralls	14-1009
Protective Coveralls - Premium	14-1088
Safety Glasses	14-1111
Safety Goggles - Premium	14-1010
Hazard Tape	14-1011
Brush and Pan Set	14-1012
Non Spark Shovel	MI - 1004
Hazardous Waste Bag	14-1006
Face Mask with P2 Valve	14-1029
Kit Location Sign	14-1032
Laminated Instruction Card	14-1019
Spill Response Booklet	14-1120
Drum Plug - 250g	22-1005
Drum Plug - 1kg	22-1003
Drain Protection	
Drain Warden	22-1009
Storm Sentinel - Round	22-1010
Storm Sentinel - Square	22-1011
Spill Berm	22-1007
Drain Protector - Nitrile - Small	22-1012
Drain Protector - Nitrile - Large	22-1013
Drain Protector - Polyurethane -	22-1000
Small	
Drain Protector - Polyurethane -	22-1001
Large Drain Protector Storage Case - Small	22 1022
Drain Protector Storage Case - Large	
Safety Showers	22-1016
Emergency Safety Shower with	18-1000
Hand Operated Eye Wash	16-1000
Emergency Safety Shower with Foot	18-1001
and Hand Operated Eye Wash	
Emergency Safety Shower with	18-1002
Hand Operated Eye and Face Wash	
(no bowl)	
Emergency Safety Shower with Foot	18-1003
and Hand Operated Eye Face Wash Safety Showers - Wall Mounted	
Emergency Wall Mounted Hand	18-1004
Operated Eye Wash	10-1004
Emergency Wall Mounted Hand	18-1006
Operated Eye and Face Wash	
Emergency Wall Mounted Deluge	18-1008
Shower	
Safety Showers - Pedestal	
Emergency Pedestal Mounted Hand	18-1005
and Foot Operated Eye Wash Emergency Pedestal Mounted Hand	18-1007
and Foot Operated Eye and Face	10 1007
Wash	
Safety Showers - Accessories	
Eye Wash Anti-Bacteria Water	18-1013
Preservative	
Emergency Eye Wash Location Sign	18-1016
Emergency Shower and Eye Wash	18-1015
Location Sign	
Anti-freeze Valve	18-1014
Portable Gravity Fed Eye Wash	18-1009
Pocket Eye Wash Bottle - 200ml	18-1010
	110 1011
Emergency Eye Wash Cabinet and 2	18-1011
	18-1011



