

SPILLFIX RECOMMENDED SPILL CLEAN UP PROCEDURE

These spill clean-up procedures are provided in the absence of, however definitely not to replace, any current workplace procedures and policies. Fast acting SpillFix Organic Absorbent must be applied in conjunction with the proper Spill Response equipment and Personal Protection Equipment (PPE). Only individuals with formal spill contents identification and clean-up training are qualified to determine the correct PPE and other spill response equipment.

Section 1: Workplace Policies. **Section 2:** Clean up Procedure.

Section 3: Known Applications. **Section 4:** Re-Usability and Other Uses.

Section 5: Disposal.

Please review the SpillFix SDS for all precautionary and safety information. The SDS can be obtained from spillfix.com.

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1: WORKPLACE PROCEDURES AND POLICIES

1.1 DISCLAIMER

Spill clean-up procedure is provided in the absence of, however definitely do not replace, any current workplace procedures and policies.

Please review the SpillFix SDS for all precautionary and safety information.

1.2 PERSONAL PROTECTION REQUIREMENTS

Fast acting SpillFix Organic Absorbent must be applied in conjunction with the proper Spill Response equipment and Personal Protection Equipment (PPE). Only individuals with formal spill contents identification and clean-up training are qualified to determine the correct PPE and other spill response equipment.

Do not attempt to clean-up any spill unless you can identify it and are trained in the right clean-up Safe Work Procedures. The workplace should contain a designated area with Safety Equipment.

1.4 SUITABILITY

SpillFix is a highly stable absorbent that is suitable for use in a tremendously wide range of hazardous and non-hazardous liquid spill applications. The inert nature of the media does not cause any reaction with an unstable liquid chemical. SpillFix Industrial Organic Absorbent is classified as a "Not Readily Combustible Solid" material.

Unless it has been tested and approved, DO NOT USE SpillFix on highly concentrated and volatile corrosives (acids and alkalies), volatile solvents, formaldehyde, and hazardous organic waste (see Section 3 for known applications).

1.5 COMMON SPILLS (SEE SECTION 3 FOR LIST OF APPLICATIONS).

SpillFix treats many commonly used to absorb non-aggressive oils, and water-based liquids such as fuels, oils and lubricants (animal, mineral vegetable or synthetic), hydraulic oils, cutting fluids and coolants. Can be used on inland and marine oil spills. SpillFix is suitable for mild chemical concentrates, cleaning concentrates, pesticides and herbicide spills.

1.6 SAFE AROUND FOOD



Nonfood Compounds
Program Listed (J1)
#152371

SpillFix is certified safe around food and has the Nonfood Compounds Program listing (J1) #152371. This makes it the only industrial granular absorbents that can be safely recommended for use in food production facilities and commercial or domestic kitchens alike.

1.7 ORGANIC CLASSIFICATION



SpillFix is OMRI certified organic. SpillFix Industrial Organic Absorbent has been awarded New Product of the Year by Occupational Health & Safety Magazine in the Hazmat Safety category. Winners were recognized at this year's National Safety Council (NSC) Congress & Expo, which was held in Atlanta, October 2015.



2: RECOMMENDED SPILL CLEAN UP PROCEDURE

2.1 IMMEDIATE RESPONSE

When encountering a spill you must first determine:

1. What is the contaminant that has been spilled?
2. Can I enter the area without endangering myself?
3. Can I safely accomplish a useful purpose?
4. Do I have the necessary product information (i.e. SDS)?
5. Do I have the required safety equipment and knowledge of appropriate procedures?

2.2 APPROPRIATE STEPS

The following steps outline for an appropriate and efficient approach to a spill.

Step 1 - Get Away

If a hazardous spill is discovered employees should move away to a safe distance. Turn off ignition sources and equipment if possible.

Step 2 - Identify What You Saw

Accurately describe what you have just seen. What was it? Was it a solid, liquid or gas? Where was it? Was it raining? Did it have a familiar odor?

Step 3 - Get Help

Follow company procedures. Notify the key contact immediately and report the details of the spill.

Step 4 - Hazard Assessment

Determine the hazards by obtaining the Material Safety Data Sheets, read labels, identifying signs or Transportation of Dangerous Goods placards. If this becomes necessary responders should assume the worst and use the highest level of personal protection equipment.

Step 5 - Alert Others

Alert others and evacuate unnecessary personnel

Step 6 - Secure The Area

Secure the area and establish spill boundary

Step 7 - Prepare a Plan of Action

Prepare a plan of action such as wind direction, potential for rain, what might happen on site. Prepare for emergency vehicle access.

Step 8 - Secure Proper Equipment And Materials

Establish levels of personal protective equipment required by determining potential hazards. Choose equipment such as spark-proof tools if flammable liquids are involved.

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2: RECOMMENDED SPILL CLEAN UP PROCEDURE (cont.)

2.2 APPROPRIATE STEPS (cont.)

Step 9 - Establish Decontamination & First Aid Stations

Establish decontamination procedures in the event that someone is injured. Arrange for medical assistance and support if necessary. The Safety Data Sheets will provide health and medical data for the hazardous material.

Step 10 - Contain The Spill

The goal is to limit the spread of contaminant and thus maximize safety and minimize liability costs. Use SpillFix Boom SOC to protect sensitive areas.

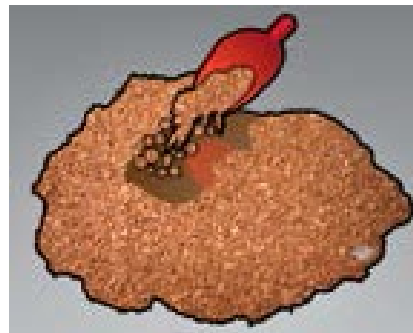
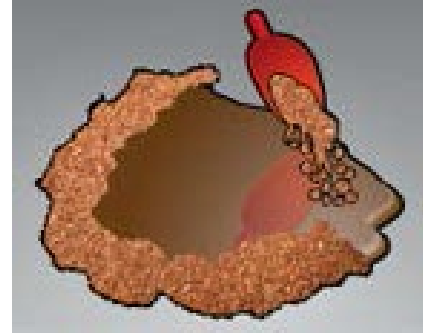
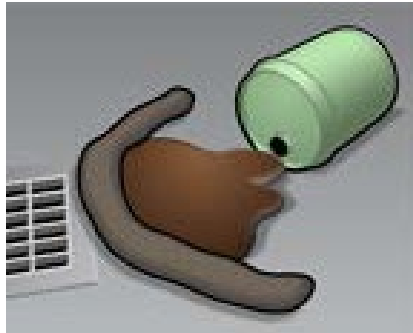
Step 11 - Clean Up The Spill

The goal here is to limit the spread of contamination, remove the contaminant from protective clothing before removal, and clean equipment. Absorbents used to clean up the spill are often classified as hazardous waste. Absorbed materials have the same properties as the spill material. Absorbents must be properly packaged for disposal according to municipal, provincial and federal regulations.

Step 12 - Investigate & Evaluate

The cause of the accident needs to be investigated and evaluated to prevent further occurrences. Evaluate your plan to determine if improvements are necessary. Build these improvements into the quarterly spill accident exercises. Replenish all supplies immediately.

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3: KNOWN APPLICATIONS

SPILLFIX EFFECTIVELY ABSORBS THE FOLLOWING TYPES OF MATERIALS:

- **Full strength:**

Acetaldehyde	Acetic Acid	Acetic Anhydride	Acetone
Acrylic Paint	Aluminum Hydroxide	Ammonium Hydroxide	Antifreeze
Aviation Fuel	Automotive Fluids	Barium Hydroxide	BBQ Sauce
Battery Acid	Bleach	Blood	Bodily Fluids
Boric Acid	Brake Fluid	Calcium Hydroxide	Car Wax
Calcium Hypochlorite	Carbon Black	Castor Oil	Chlorine Water
Chloroform	Citric Acid	Clorox (Bleach)	Coolant
Corn Oil	Cottonseed Oil	Cresol	Dairy Products
Degreasers	Detergents	Drilling Fluids	Enamel Paint
Ethylene Glycol	Ethylenediamine	Fabric Softeners	Ferric Chloride
Floor Wax	Formic Acid	Fruit Juice	Fuel Oil
Glycerol	Gorilla Glue	Grape Juice	Hydraulic Fluid
Hydrocarbon Fluids	Ice Cream	Italian Dressing	Juice
Ketchup	Latex Paint	Laundry Detergent	Linseed Oil
Liquid Polymers	Lubricating Oil	Magnesium Hydroxide	Milk
Mineral Oil	Motor Oil	Nitric Acid	Nutella Spread
Octane	Oil	Oil Paint	Olive Oil
Orange Juice	Paint	Paint Thinners	Paraffin
Petroleum Ether	Phenol	Phosphoric Acid	Polymers
Power Steering Fluid	Propylene Glycol	Ranch Dressing	Resins
Salad Dressing	Sauce	Silicone Oil	Softeners
Sodium Bicarbonate	Sodium Bisulfite	Sodium Chloride	Sodium Hydroxide
Solvents	Soup	Soy Bean Oil	Soy Milk
Spray Paint	Sucrose	Synthetic Motor Oil	Syrup
Tomato Sauce	Tannic Acid	Transformer Oil	Transmission Fluid
Turpentine	Urine	Water	Wine
Wood Stain	Xylene		

- **In Acceptable Dilutions:** (Concentrations shown are relevant to substances in industrial use.)

Hydrochloric Acid (45%)	Hypochlorite Solution (18%)
Hydrogen Peroxide (70%)	Peracetic Acid (15%)
Peroxide (70%)	Potassium Hydroxide (45%)
Sulfuric Acid (50%)	

- **Note** Before handling used material refer to the SDS (materials safety data sheet) for the substance absorbed.

- **Non Listed Substances**

Please contact the manufacturer and/or distributor for information on material's (SpillFix) ability to absorb substances not listed above..

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4: RE-USABILITY AND OTHER USES

4.1 WITH MANY LIQUIDS SPILLFIX CAN BE REUSED UNTIL SATURATED

Often when a spill occurs the amount of SpillFix applied is more than what is needed. After determining the substance absorbed doesn't present any handling hazard you can store the used SpillFix in a resealable container such as a lidded bucket or cooler for reuse on a similar spill.

The color of SpillFix darkens as it becomes saturated and it is easy to see when it is spent and needs to be disposed of.

4.2 REACTION OF SUBSTANCES AFTER ABSORPTION

SpillFix is non-reactive itself and used SpillFix can be reused on many types of hydrocarbon liquids without concern of these substances reaction with each other. However DO NOT reuse SpillFix after absorbing chemicals, paint, bodily fluids, or substances known to be reactive, or a possible health hazard.

4.3 OTHER USES

SpillFix can be kept handy in a pail for use on worksites, machine shops and in commercial kitchens for cleaning grease and oil off tools and utensils, equipment and hands. This eliminates the need for chemical cleaners and water.

5: DISPOSAL

5.1 WASTE TREATMENT METHODS

Prepare, transport, treat, store, and dispose of waste product according to all applicable local, U.S. State and U.S. Federal regulations, the applicable Canadian standards, or the appropriate standards of the nations of the European Community.

When released into the soil SpillFix will slowly biodegrade because it consists of 53% Lignin. The high lignin composition slows the decomposition of the biodegradable material. This allows the absorbed (and encapsulated) hydrocarbons and/or other chemicals to microbiologically decompose long before the SpillFix material decomposes. In many areas, SpillFix waste has been determined landfill safe and meets EPA leachate standards for hydrocarbons (C10 - C36).



5.2 INCINERATION

Used SpillFix containing hydrocarbons can be incinerated in accordance with local and federal regulations.

5.3 ORGANIC WASTE

SpillFix containing non-hazardous organic waste may be disposed of with food waste in accordance with local regulations.

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