

STARDUST

Ecological Super Absorbents

DESCRIPTION

Instantly absorbs all kinds of liquids*, of any viscosity, off any hard surface, leaving that surface clean and dry.

TECHNICAL SHEET

STARDUST instantly absorbs spills of hazardous or non-hazardous liquids and greases, including oils, fuels, bio fluids, paint, and acids. Leaves work surfaces safe, clean, and dry, while eliminating the slip and fall hazard. Non-leaching and non-biodegradable, so it permanently binds what's absorbed. Saves labor costs by reducing spill removal time as much as 70%. Absorbs up to 10 times more than clay-type ("kitty litter") and other earthen sorbents, for a much lower product-cost-per-use. Reduced weight of material used lowers disposal costs up to 80%. Reclosable zip-lock bag design reduces waste. No cancer or silicosis risk, as with clay-type ("kitty litter") sorbents that are required to display warning of such risks on their packaging. STARDUST is environmentally safe and friendly, is non-toxic, non-reactive, non-flammable, and inert. So, it will not harm humans, plants, or animals. It's also USDA approved for use in food processing facilities.

PROPERTIES

- Instantly Absorbs Spills Of All Types.
- The bag of STARDUST 42.5 lt (1.5 Cu.Ft.) absorbs approximately 32.3 lt (8.5 gallons) of oil.
- Leaves Floors Clean and Dry.
- Reduces Slip and Fall Risk.
- Saves Money By Reducing Cost of Labor, Down Time, and Disposal.
- Outperforms Competitive Products.
- Environmentally Friendly.
- USDA approved for use in food processing facilities.

WHAT IS STARDUST

STARDUST instantly absorbs all kinds of liquids, of any viscosity, off any hard surface, leaving that surface clean and dry. This includes spills of chemical, mineral, petroleum, animal, and vegetable liquids. It has virtually unlimited uses as a dry absorbent that is safe in all applications*. It is a fast, thorough, and easy way to absorb spills of liquids and semi-liquids (such as heavy greases) on contact and turn them into a solid that can easily be swept away.

STARDUST is appropriately called a "super absorbent", not only because of its high

absorption capacity, but also because of its extraordinary versatility. It is "non-select", meaning it does not have a limited range of efficacy. STARDUST is not injurious to humans, animals, soil, concrete, asphalt, tile, or plants. It contains no reactive chemicals, is not toxic, flammable, or biodegradable, and is environmentally safe and friendly. STARDUST is also USDA approved for use in food processing facilities.

STARDUST is wholly processed from an inert, inorganic mineral, amorphous alumina silicate. Due to their amorphous structure, STARDUST particles provide a tremendous amount of surface area when compared to their volume. This structure allows for excellent surface tension, contributing to the exceptional absorption qualities of the product. In effect, STARDUST turns the spilled liquid into a solid that can be disposed of easily. Because it is lightweight and so simple to use, it dramatically reduces clean up costs, as well as the ever-increasing costs of disposal.

ABSORBENT vs. ADSORBENT

STARDUST is an ABSorbent. Almost all other products on the market that are sold as ABSorbents are actually ADSorbents. What is the difference? Note the dictionary definitions:

Absorb – "to take in and incorporate; assimilate; to suck up; drink in; to take up or receive a chemical by molecular action i.e. bring within, enclose, engulf, consume". It is as though they had STARDUST in mind when this definition was written. This is truly what it does, as noted above.

Adsorb – "to collect a gas, liquid, or dissolved substance in a condensed form on a surface". Adsorbents do not encapsulate or stabilize spilled substances. They are primarily useful for picking up and transporting the spilled material. ADSorbents are materials that retain liquids on the surface of their particles by capillary action and surface tension. The problem is that the spilled substance is still there on the surface of the particles and will leach back into the environment. For that reason disposal costs are extremely high, since few landfills can accept wastes that have been ADSorbed. This is especially true for the most widely used ADSorbent, granular clay, commonly referred to as kitty litter.

CATEGORIES OF LIQUIDS

PETROLEUM PRODUCTS

- Gasoline/diesel/jet fuels
- Hydraulic/brake/transmission fluids
- Motor oil
- Axle grease
- Refining and production wastes or expended by-products

PAINT

- Water, Oil, or Epoxy Based

ANTI-FREEZE

- You thought nothing completely removes anti-freeze... STARDUST does.

ALL LIQUID OR SEMI-LIQUID FOOD SUBSTANCES

- USDA approved for use in food processing facilities
- Honey, syrup
- Jams, jellies
- Peanut butter
- Vegetable oils
- Beverages, vinegar, ketchup, etc.

ALL BODILY FLUIDS

- Human and animal wastes
- Blood

ALL CHEMICALS

- Herbicides
- Bases, alkalines
- Solvents
- Acids*

* Do not use with hydrofluoric acid.

AREAS OF APPLICATION

- Aircraft Manufacturers
- Airlines
- Airports
- Amusement Parks
- Apartment Complexes
- Auto Repair Industry (dealers, brake, repair, transmission, radiator, muffler, paint and body shops, etc.)
- Cities and Municipalities
- Construction Firms
- Contractors
- Fire Departments, Haz Mat (hazardous material) response teams and HazMat handlers
- Food Packers / Manufacturers
- Gas Stations
- Government Facilities
- Hospitals and other health care facilities
- Hotels

- Machine Shops
- Maintenance Contractors
- Meat Packing Houses
- Manufacturing (factories) of all sorts (auto, aircraft, chemical engine, ink, heavy equipment, paint, etc.)
- Mining Facilities
- Mortuaries
- Naval Bases
- Oil Reclaimers
- Paperboard Manufacturers
- Petrochemical Industry (refineries, pipelines, storage facilities, tankers)
- Poultry Packing Houses
- Printeries
- Resorts
- Restaurants
- Rubbish/Refuse Companies
- Schools
- Ship Builders and Repair
- Facilities
- Supermarkets
- Transportation (airports, railways, bus lines, shipping lines, trucking companies).
- Utilities (nuclear/hydro-electric plants)
- Vehicle Maintenance Facilities (VMFs) for any companies with vehicle fleets
- Wineries
- Zoos

APPLICATION

1. Pour STARDUST Super Absorbent™ in front of the spill (NOT directly onto the spill) partially surrounding it. If the spill is flowing, pour STARDUST in front of the flow to create a dam. The amount of STARDUST used will depend upon the amount and viscosity of the liquid spilled.
2. With a stiff-bristled broom, push STARDUST onto the surface of the spill. Then, using a firm swirling circular motion, with the broom's bristles perpendicular to the surface, mix STARDUST into the spill until the liquid is absorbed. If you did not use enough product and it becomes saturated before the spill is completely absorbed, reapply STARDUST to the spill area and repeat step two. You will be amazed as the spill disappears and the area is left completely clean and dry.
3. When the spill is absorbed, remove the STARDUST with a dustpan and broom. Remember that used product must be disposed in accordance with all applicable Federal, State and Local regulations for the absorbed substance. Also, for your safety, only properly trained and equipped personnel should respond to hazardous waste spills.



TECHNICAL SHEET

TIPS

When picking up liquids that stain (such as paint), STARDUST will leave the spill area clean and dry. However, if the surface is porous, the liquid may become trapped in the pores and leave a stain. If this happens, simply spray an appropriate liquefier onto the area and work it into the surface with a scrub pad or stiff-bristled broom. This step will loosen the trapped material, turning the stain into a liquid that can be immediately absorbed by STARDUST. Repeat steps if necessary.

If the spill is of a heavy viscosity (such as axle grease or gear oil), use a high-speed swirling motion like that of a floor buffer. While exerting extra pressure on the STARDUST Broom Head, start at the edge of the spill and gradually work your way across it. This will allow you to “shave” the spilled substance down to the surface on which it spilled, moving across the spill inch by inch, and thereby permitting STARDUST to completely absorb it.

PACKAGING

CODE	SIZE
101	Bag 42.5 lt
	Pallet of 80 bags

HEADQUARTERS EUROPE
Resolv Sagl
6900 Lugano-Switzerland
info@resolv.swiss

AMERICA
Resolv America Corp.
Miami, FL 33181 - USA
info@resolvamerica.com

LATAM
Resolv Latam
Panamá Ciudad - Panamá
info@resolvlatam.com