

DECON-IT[®]

Omni Surface Decontaminator



- Biodegradable
- 1,4 Dioxane Free
- PFAS Free
- pH Neutral
- Phosphate Free
- Non Abrasive
- Chlorine Free
- Non Corrosive
- Non-Caustic

**Environmental • Commercial
Industrial • Oil & Gas**

Environmentally Responsible Solutions

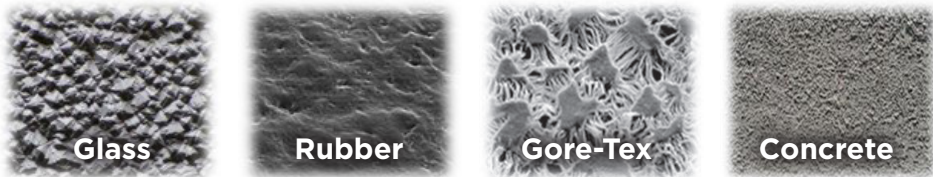


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DECON-IT® was developed from the international award winning Ivey-sol® surfactant enhanced remediation technology. In the years since, DECON-IT® has expanded from decontamination of environmental field equipment, to tank cleaning, vapor/odor suppression, stain removal from concrete, equipment cleaning, utility and oil and gas sector applications, drilling and mining, mold removal, metal fabrication, surface cleaning to an expanding list of commercial and industrial applications. Being biodegradable pH neutral, non-corrosive, and free of impurities, uniquely sets it apart from competing products that cannot make the same claims.



DECON-IT® was developed to eliminate the liability of cross contamination of hazardous contaminants in the work place associated with contaminant sorption to a broad range of material surfaces including: metal, plastic, glass, ceramic, composites and fabrics.



These magnified material surface images show the degree of surface topography for contamination to absorb onto, requiring more effective surface decontamination to ensure they meet ASTM D5088 or REACH compliance standards.

DECON-IT® can uniquely penetrate porous material surfaces to selectively desorb hazardous contaminants, without emulsification, or damage to the material substrates, rendering them very clean which can be objectively verified by either Swab or Rinsate testing.

DECON-IT® surface cleaning methods include: soaking, circulation, ultrasonic, steam, low and high pressure spraying, to soaked cloth and/or wet brush surface application approaches.



The above images show the DECON-IT® mechanism selectively removing surface sorbed contaminants with consistent results.

DECON-IT® Applications Include:

- Environmental Equipment Decontamination
- Drilling Equipment Decontamination
- Tank, Barge & Vessel Cleaning
- Commercial & Industrial Cleaning
- NORM Decontamination

Drilling & Site Investigation Applications



DECON-IT® spray removal of petroleum contamination from drilling augers during site investigation to avert cross contamination.



Field Technician decontaminating a water level probe to ASTM standards at an environmental site.

Concrete & Stained Commercial Cleaning Applications



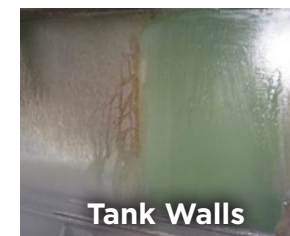
DECON-IT® high pressure concrete cleaning of aged heavy-oil and lubricant staining



Surface cleaning of an oil stained pail and bitumen stained safety hard hat.

Utility Applications

DECON-IT® is very effective for transformer oil stain removal from transformers for spill inspections and equipment maintenance, and cleaning of transformer oil stains from concrete foundations.



Powering Surface Decontamination for Over 25 Years.



Large Petroleum Hydrocarbon & Solvent Storage Tank Cleaning

DECON-IT® enhances cleaning of above ground storage tanks by lowering VOC (LEL) vapor levels, for quicker tank purging and safer entry, allowing more rapid improved cleaning of the tank walls, and tank bottom sludge, for regulatory inspections, maintenance, and/or tank recommissioning for same or new solvent storage, averting product cross contamination.

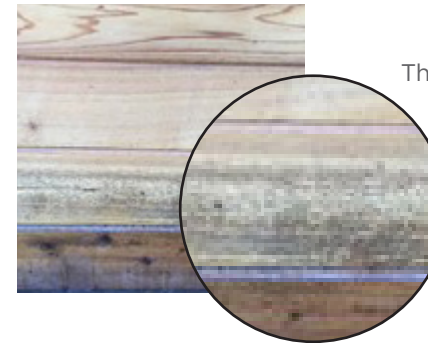
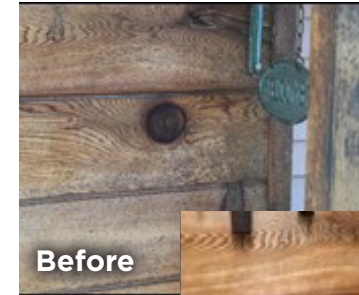
Industrial & Commercial Equipment Cleaning Applications

DECON-IT® has a broad range of industrial and commercial cleaning applications from processing equipment, motor engines, mining equipment and metal fabrication surface cleaning.



Mold Surface (Wood) Decontamination

DECON-IT® has proven very effective at rapidly liberating surface molds during Mold Abatement, which averts the need for using harsh caustic and/or corrosive chemicals that can damage the underlying material surfaces, and pose health and safety issues for workers.

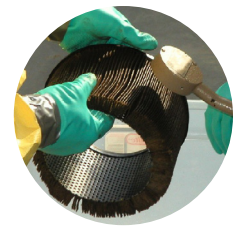


These are examples of mold removal from wood, which is generally considered among the most difficult to achieve mold decontamination of, with significant time and cost savings.

NORMs Decontamination

Naturally Occurring Radio Active Materials (NORM) associated with Oil and Gas, and Mining sectors, need to be removed from working surfaces (tanks, piping, filters, tools, PPE, etc.) for safety regulatory reasons.

These images show related NORM decontamination, which can be verified with hand-held NORM meters.



Readily Biodegradable and pH Neutral



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DECON-IT® Client Testimonials

"I really liked it. There wasn't that much work in getting a water level meter clean and let me tell you it was NASTY! Usually I would have to scrub it, but with some warm water and the DECON-IT®, it came out great. I had Petroleum thickness of 2 feet on the tape, from a monitoring well, I can actually see the numbers and it looks like nothing was on it before." **Nicole D. Motto**, Project Manager **LiRo Engineers, Inc.**

"DECON-IT® is a superior cleaning agent and decontamination product. For years, I used Alconox and Simple Green out in the field, and neither product can compare to the effectiveness and great smell of DECON-IT®. Get some DECON-IT® into a spray bottle and you are good to go!"

Fran Sosic, Project Manager **Murex Environmental**

"Since our field crew began using DECON-IT®, we have found that it is really useful to keep on hand for our general cleaning needs when we are on site. On multiple occasions we have found that it is really handy for getting off tough substances like tar or asphalt from our equipment or even well covers. We have used it in diluted form as well as just straight out of the bottle and have found that it works just as well, and in some instances better, than traditionally cleaning products used in our line of work."

Emma Cochran, Geologist **Burns & McDonnell**

"Everyone loves it and we will be purchasing more when we are running low."

David Ring, Project Manager **Geotechnical Services, Inc.**

"I loved the product. It was easy to use, left no film or residue behind, and made cleaning quick."

Drew R. Priolo, Project Manager **SCS Engineers**

"We have used it to decon field equipment after use and it seems to work out well."

Troy Fowler, Senior Project Manager **Hart Crowser, Inc.**

"A few of us worked an oil spill about a month ago and we had to use one of our water level meters to measure some frac tanks that were filled with water and petroleum. Our meter got absolutely caked in highly viscous petroleum so we gave your Petro-wipes® a shot. The night that we were doing this it was about 8 F (-13 C) outside. As you can see in the pictures, the wipes did a pretty phenomenal job at getting that stuff off. We were very impressed."

Emma Romi, Assistant Geologist **Burns & McDonnell**

DECON-IT® Technical Specification

pH of 1% solution 7 (+/- 0.5)

Specific Gravity (g/ml) 0.99-1.04 (water=0)

Density (lbs./gal.) 997.0479 kg/m³

Vapor Pressure (mm Hg) <0.01mm Hg

Flash Point (degrees F) Not Applicable

Phosphate Content (as Phosphorus) Not Applicable

Fragrance Content (optional) Citrus - Grapefruit

Organic Carbon (% calculated w/w) Not Applicable

Surface Tension 1% solution (Dyne/cm) <30 dynes

Color: Clear to Cloudy White

Form: Liquid

Solubility in Water: 100%

Hard Water Effectiveness: Highly Effective

Biodegradability: >90% in 28 Days

Foam Tendency: Low to Moderate

Shelf Life: >1 year in a sealed container

OSHA Hazardous Ingredients: None

RCRA Hazard Class: Non-Hazardous

RPA Priority Pollutants: None

DOT Hazard Class: Non-Hazardous

Flammability: Non-Flammable

Oral Toxicity: Not Applicable

No ingredient defined as an oral toxicant by OSHA

Eye Irritation: Mild eye irritant if not rinsed

Inhalation Toxicity: Non-Irritating

Latex Content: None

VOC Content: 0%

Carcinogenicity: NTP = No IARC = No OSHA = No

All Ingredients in DECON-IT® are listed in TSCA inventory.



SCAN for
DECON-IT® SDS



SCAN for
DECON-IT®
Video

Mixing Directions

Start with a small surface test area using DECON-IT® at full strength or diluted. Proceed with mixing of DECON-IT® by diluting it in cold, warm or hot water, until correct concentration (1:10 to 1:50 +) for the surface test area is determined.

If available, warm water is preferred. Use cold water for blood stains. If the spill or stain are aged, you may apply DECON-IT® and allow it to have longer contact time, while for oils only a shorter time is required before physical removal by wiping it off, rinsing or high-pressure spraying, depending on the application.

Clean by soaking, circulating, wiping or ultrasonic methods. Rinse thoroughly.

For critical cleaning, do a final or all rinsing in distilled, de-ionized, or PFAS free water. For food contact surfaces, rinse with clean water and/or other 'food-safe' rinse requirements.

DECON-IT® can be used very diluted as effective below the CMC. The product can be used in spray wash applications - minor foaming may occur.



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DECON-IT® is available through:



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