



SMEARAWAY

SMEARAWAY is a dual function, low foam decontaminating agent that removes smearable contamination affixed to surfaces by oil, grease, dirt, soil and grime.

SMEARAWAY softens, loosens and disperses oil, grease dirt, soil and grime, preventing redeposition, and solubilizes radionuclides so that they are easily flushed or wiped away.

SMEARAWAY is a general purpose decontamination cleaner for floors, walls and objects such as:

- Cavity walls and floor
- Fuel pool walls and floor
- Fuel transfer carriage
- Reactor heads
- Pressurizer external surfaces
- Refueling floor
- Reactor coolant pump seals
- Platforms
- Refueling bridge crane
- Mirror insulation
- Control rod drives
- Cables and chains
- Process piping
- Heat exchanger surfaces
- Hand tools
- Remote tools
- Scaffolding
- Hoses
- Electrical cords
- Clothing

Benefits

- Rapidly decontaminates in one step
- Neutral pH
- Safe to use; no special handling requirements
- Nonflammable, nonvolatile
- No fumes
- Biodegradable, discharge of uncontaminated product is acceptable at sewage treatment plants
- No adverse affect on non-metallic, synthetics or natural materials

Typical Physical Characteristics

- | | |
|---------------------------|-----------|
| • Boiling Point (°F) | 216 |
| • pH | 8.5 – 9.5 |
| • Specific Gravity (77°F) | 1.04 |
| • Volatility Volume (%) | <76% |
| • Solubility in Water | 100% |
| • Appearance | Colorless |
| • Odor | None |
| • Flash Point (°F) | >210 |

Contact **CORPEX Technologies Inc.** representatives for further information and application procedures.

Equipment Decontamination

Procedure

Exercise care to prevent **SMEARAWAY** from entering motor vents.

1. If possible, dry vac and/or wipe the contaminated item/area with a clean cloth moistened with **SMEARAWAY**
2. Apply **SMEARAWAY** over the entire area to be decontaminated using a spray applicator.
3. Scrub with a brush.
4. Rinse as practical.
5. Wet vac as practical.
6. If gross dirt or high smearable activity was present initially, repeat steps 2 through 5.

Ultrasonic Cleaning

Immerse item to be decontaminated in a 25% solution (one part **SMEARAWAY** + three parts water) at 70°–140°F. Activate transducer. Rotate “item” periodically (or continuously) to expose all surfaces to cavitation bands (standing wave pattern).

Note

*If applying **SMEARAWAY** or rinse water solution with a cloth, begin at one point and wipe away from that location. Repeat wipings should be made with a clean cloth and fresh water or solution. Begin at the same point and wipe away from that location to prevent recontaminating areas already cleaned. Conversely, if post-decon survey indicates remaining hot spots, wipe from the outer boundaries toward the center of each hot spot to prevent spreading the contamination.*

Removing Oil from Metal Parts

Procedure

1. Pour half the **SMEARAWAY** into each of the two vessels in which the parts will be immersed for cleaning.
2. Fill a third container with (tap) water for rinsing cleaned parts.
3. Immerse oily parts, individually, or in a wire basket, into the first container of **SMEARAWAY** and agitate for 30-60 seconds.

(Individual parts may be agitated by moving them back and forth vigorously, while immersed. A wire basket containing many parts may be agitated by moving the basket up and down vigorously. Better agitation can be achieved using a pump to circulate the solution across the oily surface. The best agitation and cleaning is achieved using an ultrasonic cleaner).

4. Raise parts out of the **SMEARAWAY** and allow excess **SMEARAWAY™** to drip back into the container.
5. Immerse parts in the second container of **SMEARAWAY** and agitate for 30-60 seconds.
6. Repeat step 4.
7. Immerse parts in rinse water and agitate for 30-60 seconds.

Note

Use hot or cold rinse water followed by hot air drying. This assures removal of excess water, minimizing the possibility of flash oxidation of exposed metal surfaces.

Facility Decontamination

Procedure

1. If possible, dry vac the contaminated surface.
2. Apply **SMEARAWAY** over the entire area to be decontaminated by spraying, flooding or mopping.
3. Maintain area wet for 15 minutes. Apply additional **SMEARAWAY** as needed to maintain “wet” condition.
4. Wet vac the entire area.
5. Reapply (fresh) **SMEARAWAY** over the entire area and scrub with hand or floor brush, or a mechanical scrubber.
6. Wet vac as area is scrubbed.
7. If gross dirt or high smearable activity was present initially, repeat steps 5 and 6.
8. Rinse entire area with tap water.
9. Squeegee to hot drain and/or wet vac.
10. Repeat rinse, squeegee and/or wet vac.

Note

*If post-decon survey indicates remaining hot spots, apply fresh **SMEARAWAY™** over the hot spot(s) and maintain “wet” for 30 minutes. Then scrub with a brush or mechanical scrubber. Work from the outer boundaries of each hot spot towards its center to prevent spreading the contamination. Repeat steps 8 through 10, modifying procedure as appropriate to work from outer boundaries toward the center of each hot spot.*

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