



NORM FREE

TECHNICAL DATA SHEET

PRODUCT DESCRIPTION: NORM Remediation Product

NORM-Free is a patent-pending technology that is designed to address NORM contaminated solids, solutions and surfaces. The products combine a unique blend of surface-active compounds with several proprietary chemistries that are derived from an environmental waste stream. **Optimize your process through a Green Initiative!**

BACKGROUND

Naturally Occurring Radioactive Materials or NORM consists of radioactive elements found in the environment, such as uranium, thorium and potassium and any of their decay products, such as radium and radon. They are present in very low concentrations in the earth's crust and are brought to the surface through activities such as oil and gas exploration or mining. The NORM becomes embedded in BS&W and on surfaces such as tanks, piping, etc. At a certain level, the substance develops radiation high enough to have to be disposed of via a hazardous waste disposal facility.

FEATURES

- Easy-to-Feed Liquid
- Effective on Surfaces & Sludge (BS&W)
- Can be Used in Conjunction with Sludge Solubilization Products
- Eliminates Hazardous Waste Disposal
- 100% Compatible with Produced Oil
- Effective in Remediating "Soaked-in" Surfaces such as Tanks, Piping, etc.

APPLICATION/USE

NORM Free is a contact-type product. In other words, it must contact the norm contaminated surface, solid or solution in order for proper remediation to take place. For treating BS&W or similar solids, mix a sufficient quantity of the product into the solids, mixing well to insure proper and complete contact (Note: A carrier such as produced oil, diesel, etc. may be needed). Allow to sit 24-48 hours depending on starting concentration. For contaminated surfaces, either submerged or fill surface in the product and allow to sit for 24-48 hours. Again, time-line depends on starting and desired ending norm concentration desired. Contact your local sales representative for application specifics.

TYPICAL PHYSICAL PROPERTIES

- AppearanceHomogenous, non-viscous liquid
- ColorLight Brown
- OdorCitrus
- Solubility.....Water Dispersible/Oil Soluble
- pH Neat8.3
- Specific Gravity.....0.92
- Flash Point.....93°F
- Pour Point<-20°F

STORAGE AND HANDLING

Aspiration hazard if swallowed. Inhalation of mist may produce severe irritation of the respiratory tract. Do not induce vomiting if swallowed. Safety glasses and gloves, as a minimum, are recommended when handling. Keep Container closed when not in use. Store product in a dry and cool area. Refer to the *NORM Free* Safety Data Sheet (SDS) for other safety and handling information.

PACKAGING

NORM Free is shipped from the manufacturing facility and regional distribution centers in 5 gallon pails, 55 gallon drums and 265 gallon tote containers. Bulk quantities are available upon request.

ADDITIONAL INFORMATION

If you need additional information, please contact our offices.