

# SALTRELIEF TECHNICAL DATA SHEET

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## PHYSICAL PROPERTIES

Product Name	SaltRelief
Physical Form	Clear Liquid
Color	Colorless unless dyed
Specific Gravity (Water = 1)	1.20 +/- .05
Solubility in Water	Complete
Freezing/Melting Point	< 32° F
Flash Point	None
pH	6.30 +/- .25

Complete information on health hazards, protective equipment, handling precautions, environmental hazards and disposal is listed in the current SaltRelief Safety Data Sheet (SDS) for this product.

## **PRODUCT SUMMARY**

SaltRelief is a water-based, proprietary blend, concentrate product specifically engineered to increase soil porosity, percolation, and enhance drainage. SaltRelief contains concentrated calcium for a rapid solution ion exchange, and it breaks the sodium chloride bond replacing the sodium ion with calcium which allows soil to recover quickly. It is primarily used on salt damaged sites for soil remediation particularly found in the oil and gas industry, however, SaltRelief has been successful in alternative

treatments and applications not associated with its initial design.

SaltRelief is a concentrated product that readily biodegrades.

SaltRelief is commercially available in 5-gallon units, 55-gallon drums, 275 and 330-gallon totes and bulk from Oklahoma City, Oklahoma and Houston, Texas.

## **PRODUCT BENEFITS**

- Effective at recovering salt damaged soils
- Permanently removes the contaminant from the environment
- Results may be obtained within months rather than years with other available competitive products
- Cost effective when compared to other remedial options or dig and haul
- Quick, easy, and safe to use

## **FIELD MIXING PROCEDURES**

### **Mixing Concentrates**

SaltRelief is usually delivered as a concentrate and **must** be diluted with water to work properly. Solutions can be formulated by premixing or education. It is not necessary to provide high shear agitation when preparing a batch of solution since SaltRelief is 100% soluble in water. It is recommended that when preparing the cleaning solution you first add the water into the mix container and then follow by the addition of SaltRelief. This will minimize foaming as the SaltRelief and water form a homogeneous solution.

For premixing, the following procedure may be used:

1. Add the correct amount of water to the container.
2. Depending on the desired strength, add the correct amount of SaltRelief to the container.
3. If the final solution is not a consistent pink color, mild agitation may be required until a consistent pink color is achieved.



## **Suitability of Purpose**

This material is made available for the use by professionals or persons having technical skills to

be used at their own discretion and risk. Nothing herein is to be taken as a license to use SaltRelief without the proper permits, approvals, etc. of the appropriate regulatory agencies, nor are the protocols provided as instructions for any site specific application of SaltRelief. All Enviro Clean products should be used in compliance with all federal, state, and local rules and regulations.

## **APPLICATION PROTOCOLS**

For specific protocols and application rates, please refer to the product label or consult with the manufacturer or authorized distributor for additional guidance.

## **Soil Remediation**

For surface spills and contamination to 1' in depth, disk or rip the soil thoroughly. Mix SaltRelief to a 3.25% solution (one 55-gallon drum of SaltRelief with 40 bbls or 1,680 gallons of fresh water) and apply at a rate of two 55-gallon drums of SaltRelief (80 bbls or 3,360 gallons of solution) per acre of impacted soil. Wait two days and disk or rip area thoroughly. Water soil at a rate of 80 bbls per acre. Wait 5-days and water at a rate of 80 bbls per acre. Collect soil samples for confirmation of remediation.

Extremely high salt levels on extremely tight soil may require more than one treatment. If contamination is deeper than 1', call manufacturer for further recommendations.