



May 3, 2019

## TECHNICAL DATA REPORT

See SDS for complete safety/technical data



# DRY ACID SCALE REMOVER

ACID REMOVER

## DESCRIPTION

**DRY ACID SCALE REMOVER** is a nonvolatile, dry powder acid that readily dissolves in water, providing a scale remover nearly equal in strength to liquid acid formulations. Safe to handle. Convenient to store and use. Excellent for cooling tower systems, evaporative condensers and boilers. Recommended initial dosage is 2 lbs of dry acid for each ton (horsepower) of refrigeration capacity.

## FEATURES AND BENEFITS

- Non-Volatile
- No Corrosive fumes
- Safer than hydrochloric
- Easier to handle than liquid
- Safe on Metal Surfaces

## SPECIFICATIONS

**Form:** Off White Powder | **Odor:** No Distinct Odor | **Flammability:** Not Considered a Solid by OSHA | **Vapor Pressure (mmHg):** > 18 | **Vapor Density (AIR=1):** 1 | **Evaporation Rate:** < 0.8 (Slow) | **Solubility in Water:** 100% | **Volatility Including Water (%):** < 1% | **Volatile Organic Compounds (VOC):** 0%

## LABEL INFORMATION

**DRY ACID SCALE REMOVER** is a non-volatile, activated dry powder acid. It is specially inhibited to protect metal surfaces, including aluminum. In dry foam, Dry Acid gives off no corrosive fumes and any spill may easily be swept up without damage to any surface. Although Dry Acid is safer to handle than hydrochloric (muriatic) acid, it is nearly as strong. Removes one pound of scale for every two pounds of acid. To avoid overdosing or waste, pH indicator strips are supplied with each container. Safer and easier to handle than liquid scale removers. Contains corrosion inhibitors, wetting and anti-foaming agents. Safe for use on metal surfaces.

**DIRECTIONS:** Drain and flush water recirculation system, removing all loose debris. Stop bleed-off where applicable. Fill with fresh water and add two pounds of Dry Acid for every 10 gallons of water in piping. Circulate the acid solution until all is removed or acid is spent. To determine when the acid solution is neutralized or when more acid should be added, use one of the pH indicator strips. Badly scaled systems may require more than one dose of acid, but not more than two doses should be added to the same water.

If all scale is not removed after two dosages, drain spent solution and repeat procedure. After cleaning, thoroughly flush out acid before refilling with fresh water. Adjust bleed-off where applicable. Note: Do not drain cleaning solution on lawns or shrubs.

**Dangers: Read and understand the product's label and Safety Data Sheet.** Causes severe skin burns and eye damage. May be corrosive to metals. Do not breathe mists. Wash hands thoroughly after handling. Wear face shield, eye protection, protective gloves, and protective clothing.

## CONTAINS

**DRY ACID SCALE REMOVER CONTAINS (CAS#) :** Sulfamic Acid (5329-14-6)

## VAPCO PART NO.

Part Number	Size
DSR-10	10 lb 4/cs
DSR-50	50 lb pail

## First Aid Measures

**Inhalation:** Move to fresh air. **Seek medical attention if you feel unwell.**

**Skin Contact:** Take off immediately all contaminated clothing. Rinse skin with water or shower. **Seek medical attention if irritation persists.**

**Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. **Seek medical attention if irritation persists.**

**Ingestion:** Rinse mouth with water. Do NOT induce vomiting. **Seek medical attention.**

## Precautions

Do NOT handle or use this product until all safety precautions have been read and understood. Keep out of the reach of children. Provide general, adequate ventilation. Wear face shield, eye protection, protective gloves, and protective clothing. Do not breathe mists. Wash hands immediately after use. Do not get on clothes or skin.

## Storage

**Keep out of reach of children.** Store in a cool, dry area, keep containers tightly closed and dry. Keep out of reach of children and do not store near food, drink, or animal food.

## In Case of Fire

Use appropriate media for surrounding fire. Wear NIOSH approved Self Contained Breathing Apparatus with a full face piece operated in a positive pressure demand mode with full body protective clothing when fighting fires.

## Disposal

Dispose of in accordance with federal, state, and local regulations. Do not reuse container and recycle or place in trash collection. Drums and pails should be offered for recycling. This product is biodegradable. This material is toxic to aquatic life.



Health	3
Flammability	0
Reactivity	1
Personal	D

