

MSDS# SCM-709  
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## D'Scale™ Acid Scale Remover

### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Manufactured by: Specialty Chemical Manufacturing  
A DiversiTech Company  
1633-B High Bridge Road  
Quincy, FL 32351

EMERGENCY Phone No.: 1+800.434.9300 Chem-Tel (Chemical Emergencies Only)  
Phone Number for Information: 850-875-1716 Fax: 850-627-2699  
Date Revised: April 2009  
Prepared by: Anthony Jernigan

### SECTION 2. HAZARDOUS INGREDIENTS INFORMATION

INGREDIENT	CAS No.	OSHA PEL	ACIGH TLV	OTHER STEL	% or Range
Hydrochloric acid	7647-01-1		5 ppm		<20

### SECTION 3. PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: >212° F  
Vapor pressure (mm Hg): Same as water  
Vapor Density (Air = 1): Same as water  
Solubility in water: Water miscible  
Appearance and odor: Dark purple liquid; astringent, acrid odor.

Specific gravity (H<sub>2</sub>O = 1): 1.10  
Melting Point (Pour Point): <32° F  
Evaporation Rate (Water = 1): - 1

### SECTION 4. FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): None

Flammable Limits: None

Extinguishing media: Not applicable

Special Fire Fighting Procedures: Liquid and mists are irritating and corrosive. Wear full protective gear including self-contained breathing apparatus. Keep containers cooled with a water spray if involved in a fire.

Unusual Fire and Explosion Hazards: This product can react with metals and release hazardous quantities of hydrogen gas.

### SECTION 5. REACTIVITY DATA

Stability-Stable Conditions to avoid: None

Incompatibility (Materials to avoid): Metal containers, strong oxidizers, strong alkalis

Hazardous Decomposition or Byproducts: Hydrogen gas, hydrogen chloride vapors

Hazardous Polymerization: Will not occur.

### SECTION 6. HEALTH HAZARD DATA

Routes of Entry: Inhalation: yes (mists) Skin: yes Ingestion: yes Eyes: yes

Health Hazards (acute and chronic): This product is irritating and mildly corrosive to skin, eyes and mucous membranes.

Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No

Signs and symptoms of exposure:

Inhalation: Breathing mists or vapors may irritate irritation to throat and lungs.

Skin: Irritating. Prolonged contact may result in chemical burns.

Ingestion: Do not take internally. Irritating. May cause chemical burns to mouth throat and digestive tract.

Eyes: May cause eye irritation, mild to severe burning, redness or tearing. Prolonged contact may cause chemical burns or tissue damage.

Medical Conditions Aggravated by Exposure: Contact or breathing mists may exacerbate existing skin or respiratory disorders.

Emergency and First Aid Procedures:

Eyes: Flush with water for 15 minutes. Lift the eyelids while flushing to make certain all areas of the eye and eyelid are flushed. Get medical attention as soon as first aid has been administered.

Skin: Remove contaminated clothing. Wash the affected area with soap and water. If irritation develops or persists, get medical attention. Decontaminate clothes and shoes before reuse.

Inhalation: Evacuate to a safe area with plenty of fresh air. Allow the affected individual to rest in a well ventilated area. Seek medical aid if breathing distress continues.

Ingestion: DO NOT induce vomiting. Drink 3-4 glasses of milk or water. Call the nearest poison control center for medical advice.

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## SECTION 7. PRECAUTIONS FOR SAFE HANDLING AND STORAGE

**STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED:** Wear recommended protective clothing. Remove contaminated garments promptly. Remove unnecessary personnel from the area. Floors may be slippery; use care to avoid falling. Dike the spill immediately with appropriate materials to prevent the spread of liquid. Absorb the liquid with an inert absorbent such as sand, dirt, vermiculite or "oil-dri", or use commercial absorbent pads. Transfer liquids and solid diking material to suitable containers, and dispose of in accordance with local, state, and federal regulations. DO NOT contaminate municipal sewers or other open bodies of water with runoff.

**WASTE DISPOSAL METHODS:** Bury in an approved landfill in accordance with governmental regulations, or consign recovered material to a licensed hazardous waste contractor.

**HANDLING AND STORAGE:** Avoid contact with skin and eyes. Keep containers closed when not in use. Store in a dry, cool, wellventilated area. Empty containers may retain residue. All containers should be disposed of in an environmentally safe manner, and in accordance with all governmental regulations. Keep this and all chemicals out of the reach of children.

## SECTION 8. CONTROL MEASURES

**Respiratory Protection (Specify Type):** Use in a well-ventilated area. If mist is being generated and exceeds the TLV, a respiratory program meeting OSHA 1910.134 and ANSI Z88.2 requirements must be followed.

**Ventilation:** Local exhaust is recommended when used in enclosed areas.

**Protective Gloves:** Neoprene or other materials may be used if there is documented evidence of compatibility.

**Eye protection:** Safety glasses (ANSI Z87.1) or approved equivalent as necessary to minimize eye contact hazards.

**Other Protective Clothing:** Neoprene aprons, overshoes, oversleeves or other impervious clothing as necessary to minimize exposure.

**Work Hygienic Practices:** Use proper industrial hygiene practices to minimize hazardous exposure. Wash hands after handling this material, and before eating or smoking.

## SECTION 9. ADDITIONAL INFORMATION

### Transportation Information:

**DOT DESCRIPTION:** Corrosive liquid, acidic, inorganic, NOS (contains hydrochloric acid), Class 8, UN3264, PGIII

**DOT HAZARD LABEL:** Corrosive

**TSCA:** All ingredients are TSCA approved.

### SARA TITLE III Reporting Requirements:

**Section 302:** EHS reporting not required

**Section 304:** Hazardous releases reporting not required

**Section 311:** Community Right To Know reporting is required if the inventory is above the Threshold Planning Quantity.

**Section 312:** R-T-K Inventory data reporting is not required.

**Section 313:** Emissions and release reporting may be required for users of this product within the manufacturing sector. This does not apply to service companies.

## SECTION 10. MANUFACTURER

Specialty Chemical Manufacturing

1633-B High Bridge Road

Quincy, FL 32351, USA

Phone 1+850.875.1716

EMERGENCY Phone No. 1 800-255-3924 Chem-Tel (Chemical Emergencies Only)

## SECTION 11. REFERENCE NUMBER

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