

**GOLD COAST CHEMICAL PRODUCTS**

A DIVISION OF DORA INDUSTRIES, INC.  
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**MATERIAL SAFETY DATA SHEET**

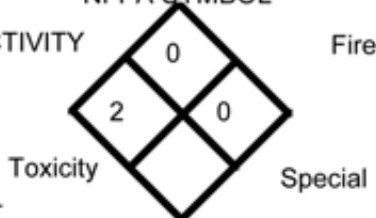
HMIS SYMBOL

HEALTH	0
FLAMMABILITY	0
REACTIVITY	2

HMIS  
 4 SEVERE  
 3 SERIOUS  
 2 MODERATE  
 1 SLIGHT  
 0 MINIMAL

NFPA  
 4 EXTREME  
 3 HIGH  
 2 MODERATE  
 1 SLIGHT  
 0 INSIGNIFICANT

NFPA SYMBOL



MAY BE USED TO COMPLY WITH OSHA'S HAZARD COMMUNICATIONS STANDARD (HCS) 29 CFR 1910.1200

**Trade Name** DESCALE (POWER)

**I — IDENTIFICATION FORMULA:**  
 Proprietary Mixture

**II — HAZARDOUS INGREDIENTS**

Principle Hazardous Components	CAS #	TLV	PEL	APPROX % WT
Muriatic Acid	7647-01-0	N.D.		12-15%

**III — PHYSICAL DATA**

BOILING POINT: 212°F  
 VAPOR PRESSURE: 28.05 @20C 68F  
 VAPOR DENSITY: N/A  
 SOLUBILITY IN WATER: Complete

SPECIFIC GRAVITY: 1.08  
 % VOLATILE BY VOLUME: 82  
 FLASH POINT: None  
 APPEARANCE AND ODOR: Clear odorless liquid.

**IV — FIRE AND EXPLOSION HAZARD DATA**

**FLAMMABLE LIMITS:** L/L NO U/L NO

FLAMMABILITY: Non-flammable

EXTINGUISHING MEDIA:

SPECIAL FIRE-FIGHTING PROCEDURE: N/A

UNUSUAL FIRE AND EXPLOSION HAZARDS: Non-flammable, but reacts with most metals to evolve hydrogen gas which may cause fire or explosion in air.

**V — REACTIVITY DATA**

CHEMICAL STABILITY: Unstable

CONDITIONS TO AVOID: DO NOT STORE IN METAL CONTAINERS.

INCOMPATIBILITY (MATERIALS TO AVOID): Strong alkalis, strong oxidizers.

HAZARDOUS DECOMPOSITION PRODUCTS: Hydrogen gas in contact with most metals.

HAZARDOUS POLYMERIZATION: Will not occur.

## VI — HEALTH HAZARD DATA

ROUTES OF ENTRY: INHALATION? YES      INGESTION? NO      SKIN? YES      EYES? NO

EFFECTS OF OVER EXPOSURE:

SKIN CONTACT OR ABSORPTION: Will cause burns if not rapidly washed off. Repeated skin contact with dilute solutions may cause dermatitis.

INGESTION: Pain in the throat and stomach. Difficulty in swallowing. Nausea and vomiting.

EYES: Severe irritation to cornea and eyelids.

INHALATION: Not likely.

CARCINOGENICITY: NO      NTP? NO      IARC MONOGRAPHS? NO      OSHA REGULATED? YES

### EMERGENCY AND FIRST AID PROCEDURES:

EYES: Immediately flush with water for at least 15 minutes.

SKIN: Wash with soapy water for at least 15 minutes.

INHALATION: Remove from contaminated atmosphere.

INGESTION: Do not induce vomiting. Contact a physician immediately.

## VII — PRECAUTIONS FOR SAFE HANDLING AND USE

### STEPS TO BE TAKEN IN CASE CONTAINER IS PUNCTURED AND MATERIAL IS RELEASED:

Contain spill. Neutralize with soda ash, lime or limestone.

WASTE DISPOSAL METHOD:  
IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS

## VIII — SPECIAL PROTECTION INFORMATION

RESPIRATORY: Not required under normal, safe use conditions.

EYES: Chemical safety goggles and/or full face shields.

SKIN: Impervious clothing/ footwear must be worn always.

PROTECTIVE GLOVES: Chemical resistant gloves.

OTHER: N/A

VENTILATION REQUIREMENTS: Local exhaust methods.

## IX — SPECIAL PRECAUTIONS

### PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

Wear protective equipment in handling. Store separately from oxidizers, like chlorine products. Keep away and do not mix with caustics.

### SPECIAL PRECAUTIONARY STATEMENTS:

None

LAST REVISED MARCH 31, 2009

NOTICE: We believe that the information contained on this material safety data sheet is accurate. The suggested procedures are based on experience as of the date of publication. They are not necessarily all inclusive nor fully adequate in every circumstance. Also the suggestions should not be confused with nor followed in violation of applicable laws, regulations, rules or insurance requirements. No warranty expressed or implied, of merchantability fitness or otherwise is made.