

FRW Industries
Order Service & Payments Dept
PO Box 880
Chanhassen, MN 55317
Phone: (800) 442-7575
Fax: (952) 927-9224
sales@frwindustries.com

FRW Industries
Production Facilities
560 Hi-Tech Parkway
Oakdale, CA 95361

TAPS™ OXIDIZING GRANULES

MATERIAL SAFETY DATA SHEET

PRODUCT INFORMATION	
Trade Name:	Taps™ Brand Oxidizing Granules
Name and/or Family Description:	Oxidizing Media for Malodor Control
Emergency Phone:	(800) 424-9300 (CHEMTREC)

COMPOSITION (OSHA Hazardous Ingredients)		
The specific identities of certain components of this formulation are withheld as trade secrets in accordance with 29 CFR 1910.1200.	COMPONENTS	WT%
	Component A	54.2
	Component B	11.5

HAZARDS IDENTIFICATION

Hazard Summary: Sand-colored, granular solid with chlorine-like odor. This product contains corrosive material absorbed onto an absorbent material. If soaked in water, the resulting solution may be corrosive to the skin and eyes on contact. Do not mix with organic material or acids as an explosion could result.

POTENTIAL HEALTH EFFECTS

Eyes: May be corrosive.

Skin: May be corrosive to skin.

Ingestion: Harmful if swallowed. Can irritate the nose and throat.

Inhalation: May be irritating to eyes and respiratory tract.

FIRST AID MEASURES

Eyes: Immediately wash eyes with water for at least 15 minutes. Lift upper and lower lids and rinse well under them. Get immediate medical attention.

Skin: Wash off in flowing water or shower. If irritation persists, get medical attention.

Inhalation: Remove from exposure. If individual is not breathing, administer cardiopulmonary resuscitation (CPR) and get immediate medical attention. If individual is breathing, but with difficulty, get medical attention.

Ingestion: Do not induce vomiting. Do not give anything by mouth to an unconscious person. Immediately drink large quantities of water or milk. Get medical attention.

FIRE FIGHTING MEASURES

Flammable Properties: This product is non-flammable.

Flash Point: None.

Method Used: Not applicable.

Flammable Limits: Not applicable. Product is not flammable.

Extinguishing Media: Water fog. No dry chemical, CO² or halon.

Fire & Explosion Hazards: Although this product is not combustible, soaking it in water and allowing it to evaporate can leave a residue that is an oxidizer. Solutions can react with acids and organic material to liberate chlorine dioxide, which is an explosion hazard.

Fire Fighting Equipment: Wear full bunker gear including a positive pressure self-contained breathing apparatus.

ACCIDENTAL RELEASE MEASURES

Scoop up spilled dry material and place in an appropriate container for disposal. If the material is wet, the spill area must be rinsed thoroughly, as a corrosive residue may remain. Do not allow spilled wet material to evaporate to dryness.

HANDLING & STORAGE

Store in a cool, dry place. Do not allow material to get wet, as a corrosive solution may result. Store separately from acids, reducing agents, organic material such as solvents, fuel, wood (i.e., pallets) and paper. Do not store in steel drums. After handling, wash hands with soap and water.

EXPOSURE CONTROL/PERSONAL PROTECTION

Respiratory Protection: If dust appears in handling operations, wear a NIOSH approved respirator with replaceable dust filters.

Skin Protection: Gloves are not normally necessary unless handling this material when wet. If wet, wear impervious gloves.

Eye Protection: If dust appears in handling operations, wear goggles or safety glasses.

Exposure Guidelines: PEL/TLV have not been established for the product as a whole.

COMPONENT	OSHA PEL/TWA	ACGIH TLV/TWA
Crystalline silica (Cristobalite)	0.05 mg/m ³ (as respirable dust)	0.05 mg/m ³
Crystalline silica (Quartz)	0.1 mg/m ³ (as respirable dust)	0.1 mg/m ³

ENGINEERING CONTROLS

Use with adequate ventilation. Local exhaust ventilation may be necessary for operations in which dust is generated.

PHYSICAL & CHEMICAL PROPERTIES

Appearance: Sand-colored granular solid

Odor: Chlorine-like odor/soapy

Boiling Point: Not applicable

Solubility in Water: Insoluble

Specific Gravity: .87

Freezing Point: Not applicable

pH: Not applicable

% Volatile: 34.3%

STABILITY & REACTIVITY

Stability: (CONDITIONS TO AVOID) stable.

Incompatibility: (SPECIFIC MATERIALS TO AVOID) organic combustible materials, decomposed acids, exposure to direct sunlight.

Hazardous Decomposition Products: Chlorine dioxide and chlorine.

TOXICOLOGICAL INFORMATION

Toxicological data is not available for the product as a whole. The following information is provided for Component B.

LD₅₀ (oral) Rats: 165 mg/kg

Toxic Effects: Liver - Jaundice, other or unclassified: Kidney, ureter, and bladder - interstitial nephritis: biochemical.

LD₅₀ (oral) Mouse: 350 mg/kg

LD₅₀ (oral) Guinea Pig: 300 mg/kg

DISPOSAL CONSIDERATIONS

Water Management Information (Disposal): Any disposal practice must be in compliance with local, state and federal laws and regulations (contact local or state environmental agency for specific rules).

TRANSPORT INFORMATION

Transportation and Hazardous Materials Description:

DOT Shipping Name: Corrosive solid, n.o.s. (contains Sodium chlorite, mixture)

UN ID NO: 1759

Hazard Class: 8 (Corrosive); II

REGULATORY INFORMATION

OSHA Hazard Communication Rule, 29 CFR 1910.1200: According to the OSHA Hazard Communications standard, this product is considered hazardous because it contains Component B and trace amounts of crystalline silica.

CERCLA/SUPERFUND, 40 CFR 117.302: This compound contains NO compounds subject to 40 CFR 117.302.

SARA 313 INFORMATION: This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning **Community Right-To-Know Act of 1986 and of 40 CFR 372:** None.

TOXIC SUBSTANCES CONTROL ACT (TSCA): The ingredients of this product are all on the TSCA Inventory list.

CALIFORNIA PROPOSITION 65: The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of 1986: "Notice: This product contains a chemical known to the State of California to cause cancer, birth defects, or other reproductive harm." [22 CCR 12705 (b)]. This product contains crystalline silica.

OTHER INFORMATION:

NFPA RATING		HMIS RATING	
Fire	0	Health	2
Health	2	Flammability	0
Reactivity	2	Reactivity	2
Hazard	OX, Corrosive	Protection	A