



**PEACEMAKER<sup>TM</sup> ODOR CONTROL EQUIPMENT**

## **ODOR CONTROL VENT FILTERS**

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**FORM NO. 576**

**PEACEMAKER™ BRAND ODOR CONTROL VENT FILTERS**

*Technology designed for the control of hydrogen sulfide, mercaptans and other malodorous compounds found in sewer gases.*

**“What’s That Awful Smell?”**

Nearly all vent stacks suffer with odor problems, whether they are on homes, commercial buildings, small lift stations or EQ tanks. The main culprit is hydrogen sulfide (H<sub>2</sub>S), but other malodorous compounds are present, as well. The problem has largely been ignored or ineffectively treated with activated carbon. PEACEMAKER™ Vent Filters use the same technology found in PEACEMAKER™ Oxidizing Dry Air Scrubbers and in PEACEMAKER™ Odor Control Manhole Inserts. Proven, practical technology which destroys odors -- and lasts.

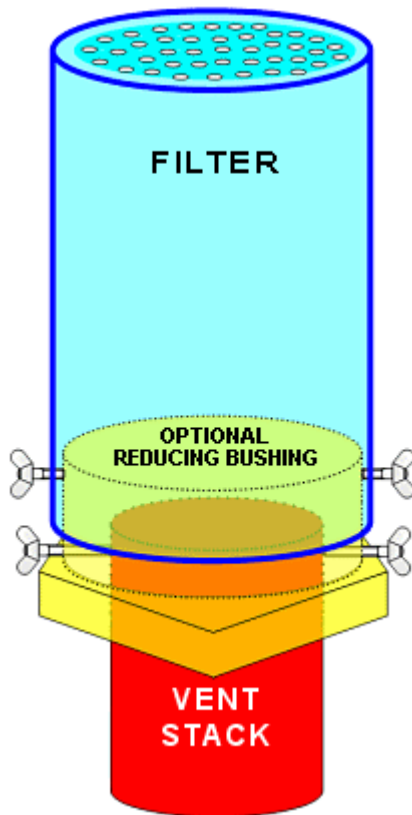
**A Sensible Solution For Odor Control**

The filter design provides generous venting through PERSNICKETY® Oxidizing/Polishing Media. Oxidation is accomplished with chlorine dioxide technology. Because chlorine dioxide reacts selectively and primarily with only the most offensive odor producing compounds (hydrogen sulfide, organic sulfurs, organic amines) PERSNICKETY® Oxidizing/Polishing Media will normally provide a much longer service life than products such as activated carbon. Unwanted reactions do not occur. Power is not needlessly spent. Chlorine dioxide remains available and ready on demand. Polishing is accomplished with Countervailant™ technology. This technology protects against the escape of malodors which can not be oxidized or readily oxidized. Countervailant™ technology is complex and broadly useful chemistry. It incorporates polymeric adsorption and electrostatic bonding technologies. Polishing and oxidizing are accomplished simultaneously. The result is safe, extremely effective, broad-spectrum malodor control. (See **Form No. 502**, PERSNICKETY® Oxidizing/Polishing Media for more detailed information.)

**Specifications And Physical Data**

PEACEMAKER™ Vent Filters are made to last. They are constructed of ABS plastic or schedule 40 PVC. They will not corrode and require no maintenance. They fit standard PVC pipe. All are refillable. Larger sizes can be used on smaller stacks by using a PVC spigot x socket reducing bushing. This is recommended to maximize service life between refills (see pricing).

<b>FOR STANDARD PVC PIPE</b>				
<b>DESCRIPTION</b>	<b>3"</b>	<b>4"</b>	<b>6"</b>	<b>8"</b>
OUTSIDE DIAMETER	3 7/8"	5"	7 1/4"	9 3/8"
LENGTH	5 3/8"	6 3/8"	9 1/2"	12 1/2"
LENGTH WITH REDUCER	5 7/8"	6 7/8"	10"	13"
WEIGHT	1.5 LBS.	3.0 LBS.	10.0 LBS.	21.2 LBS.
RECHARGEABLE	YES	YES	YES	YES
REFILLS/1 GALLON PAIL	9	>4	1.5	<1
REFILLS/3 1/2 GAL. PAIL	30	15	5	2
COMES IN CARTON OF	6	6	4	2



### Installation

1. Push over vent stack
2. Tighten thumb screw

### Summary of Advantages

- Superior malodor control
- Durable
- Economic
- Minutes to install
- Easy to replace



(For perspective, dot in foreground is a US 25¢ piece)

### Limited Warranty:

Our only obligation shall be to replace or pay for any material proved defective. Beyond the purchase price of materials supplied by us, we assume no liability for damages of any kind and the user accepts the product "as is" and without warranties, expressed or implied. The suitability of the product for an intended use shall be solely up to the user.

## **FORM NO. 576S**

### **SPECIFICATIONS - PEACEMAKER™ BRAND ODOR CONTROL VENT FILTERS**

#### **Scope**

**1.1** Under this item, the contractor shall supply and install to manufacturer's recommendations a PEACEMAKER™ Vent Filter as shown on contract drawings and specified hereunder.

#### **MATERIALS & DESIGN**

##### **General**

**2.1** The PEACEMAKER™ Vent Filter and any associated components shall be manufactured from corrosion - proof material suitable for atmospheres containing hydrogen sulfide and dilute sulfuric acid as well as other gases common to wastewater collection and processing, and be filled with dry media capable of effective control of odors associated with such gases.

##### **The Filter Body**

**2.2** The filter body and related components such as reducers and flanges shall be made of Schedule 40 PVC or of ABS plastic. The perforated end caps shall be of polypropylene. Fasteners shall be of 302 stainless steel.

##### **The Filter Media**

**2.3** The media shall remove H<sub>2</sub>S and malodorous compounds from the air stream via dry-air oxidation chemistry. Oxidation shall be accomplished via molecular contact with the media, producing solid by-products which are deposited on and within the media. Other malodorous gases shall be treated by absorption and adsorption. Oxidation and absorptive capacities shall not be diminished by ambient humidity.

##### **Media Replacement**

**2.4** The filter assembly shall be refillable upon removal from vent stack.

#### **INSTALLATION**

**3.1** Filter shall push over vent stack to a seating ring and be tightened to vent stack by stainless steel thumbscrews.

#### **FIELD TESTING AND TRAINING**

**4.1** Measure atmospheric H<sub>2</sub>S in ppm emanating from vent before and after installation of filter.

**4.2** No field training required.

#### **Limited Warranty:**

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## FORM NO. 502

# **PERSNICKETY® BRAND OX-PELLETS™ OXIDIZING/POLISHING MEDIA FOR MALODOR CONTROL**

### **PATENTED, BREAKTHROUGH CHEMISTRY**

**PERSNICKETY® OX PELLETS™** provide demand dependent oxidizing properties and sustained release polishing properties, simultaneously. The result is safe, extremely effective, broad-spectrum malodor control. Each technology has a critical role to play.

### **Oxidizing - Chlorine Dioxide Technology**

Chlorine dioxide ( $\text{ClO}_2$ ) is an extremely powerful oxidizing agent. For example, one pound of chlorine dioxide is equivalent in oxidation power to 3.8 pounds of potassium permanganate. Because chlorine dioxide reacts selectively and primarily with only the most offensive odor producing compounds (hydrogen sulfide [ $\text{H}_2\text{S}$ ], organic sulfurs, organic amines, petroleum distillates), **PERSNICKETY® OX PELLETS™** will normally provide a much longer service life than competitive products such as activated carbon. Similarly, chlorine dioxide will remain intact longer than chlorine, hypochlorite, peroxide and permanganate. Unwanted reactions do not occur. Power is not needlessly spent. Chlorine dioxide remains available and ready on demand.

In contrast to chlorine and hypochlorite, chlorine dioxide does not react with ammonia and is not a chlorinating agent. It typically reacts with organics as an oxidant with no trihalomethanes (THMs) or chlorinated by-products formed. Hydrogen sulfide is rapidly oxidized to inorganic sulfate; whereas organic sulfides react with chlorine dioxide to form sulfonyl compounds and oxygen containing by-products, thus effectively eliminating many odors. When sufficient chlorine dioxide is used to fully oxidize phenol, the primary products are converted to respective carboxylic acids. Primary and secondary amines react very slowly or not at all with chlorine dioxide, whereas chlorine dioxide will rapidly oxidize tertiary amines producing a secondary amine and an aldehyde. Chlorine dioxide has relatively low oxidizing activity toward olefins. Alcohols and carboxyl compounds react more slowly to produce carboxylic acids. The breaking of carbon - carbon bonds is generally not extensive in most reactions.

### **Polishing - Countervailant™ Technology**

This technology protects against the escape of malodors which can not be oxidized or readily oxidized. It functions synergistically with the technology to which it is wed. Countervailant™ technology is highly specialized, complex and broadly useful chemistry. It incorporates neutralization technology, but expands considerably beyond it. Polymeric adsorption is a facet. This involves the building up of malodor molecules via electrostatic attractions and Van der Waals forces so that they are not recognized as malodors. The process of esterification is also incorporated. Acids and alcohols react to form esters. These esters normally have a pleasant scent. Countervailant™ technology is effective in dealing with malodors in both liquid and gaseous phases.

NOTE: For more detailed information on the chemistry of **PERSNICKETY® OX PELLETS™**, see Form No. 151, Odor Perception • Qualities • Chemical Control Methods. **PERSNICKETY® OX PELLETS™** are available as follows:

1) oxidizing only, 2) oxidizing and Countervailant™ combination, 3) Countervailant™ only.

## **TYPICAL APPLICATIONS**

- PEACEMAKER™ scrubbers
- vented tanks (sludge, EQ)
- PEACEMAKER™ manhole inserts
- replacement for activated carbon
- roof vents

- replacement for potassium permanganate
- landfill vents
- and any other compound in dry scrubbers

**HEALTH, SAFETY AND DISPOSAL**

Care must be taken not to create even larger, more serious problems in the pursuit of malodor solutions. Many products in commercial use are toxic, create toxic by-products; are explosive, flammable, corrosive, damaging to the air, plants and animals and difficult to dispose of. Disposal is not a problem with PERSNICKETY® OX PELLETS™. We will do it for you. Simply retain the original shipping containers. When the product is spent, reload them and return them to us, freight pre-paid. We will recycle or dispose of, as necessary.

All chemical products should be handled with care (review PERSNICKETY® OX PELLETS™ MSDS).

*Here are a few key points of interest concerning chlorine dioxide:*

- Chlorine dioxide is approved by the EPA for use as a primary disinfectant in drinking water. It has shown no adverse effects to human health after several decades of use.
- The proprietary chlorine dioxide in PERSNICKETY® OX PELLETS™ and its precursors are EPA, FDA and USDA approved for sanitation uses in food and dairy plants.
- Does not react with water to form hypochlorous and hydrochloric acid, as does chlorine gas.

*The Countervailant™ portion of PERSNICKETY® OX PELLETS™:*

- Contains only those raw materials listed in the EPA TSCA Chemical Substances Inventory and in the European Economic Community Inventory of Chemical Substances.
- Is non-explosive and non-flammable. Contains only non-reactive, stable materials.

WARNING: DO NOT ADD ACIDS OR ANY CHEMICALS TO PERSNICKETY® OX PELLETS™ OTHER THAN THOSE RECOMMENDED BY THE MANUFACTURER. THERE IS POTENTIAL FOR DANGEROUS REACTIONS WITH ClO<sub>2</sub>.

PHYSICAL DATA	
Appearance	Tan granules
Mesh	-3, +5 Taylor
Weight	50 lbs. ft <sup>3</sup> , on average
Odor	Slight chlorine dioxide
Packaging	3-1/2 g. (approx. 25 lbs., 0.5 cu. ft.), 30 g. (approx. 200 lbs., 4.0 cu. ft.)
Shelf Life	One Year in unopened container
Storage	Store in a cool dry, well ventilated place away from acids

**Limited Warranty:**

Our only obligation shall be to replace or pay for any material proved defective. Beyond the purchase price of materials supplied by us, we assume no liability for damages of any kind and the user accepts the product "as is" and without warranties, expressed or implied. The suitability of the product for an intended use shall be solely up to the user.

FORM NO. 502A-MSDS

**MATERIAL SAFETY & DATA SHEET**  
**PERSNICKETY® BRAND OXIDIZING MEDIA FOR MALODOR CONTROL**

PRODUCT INFORMATION		
Trade Name: Persnickety® Brand Media		
Name and/or Family Description: Oxidizing Media for Odor Control		
Emergency Phone: (800) 424-9300 (CHEMTREC)		
The following information relates to safety conditions when media is in loose form and not enclosed within PEACEMAKER™ vessels.		
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.

**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.

**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.

**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 AND 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	AGGIH TLV/TWA
Crystalline silica (Cristobalite)	0.05 mg/m <sup>3</sup> (as respirable dust)	0.05 mg/m <sup>3</sup>
Crystalline silica (Quartz)	0.1 mg/m <sup>3</sup> (as respirable dust)	0.1 mg/m <sup>3</sup>

## Engineering Controls:

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

## PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Sand-colored granular solid

**Odor:** Chlorine-like odor/minty

**Boiling Point:** Not applicable

**Solubility in Water:** Insoluble

**Specific Gravity:** 6.55 lbs/gal (bulk density)

**Freezing Point:** Not applicable

**pH:** Not applicable

**% Volatile:** 34.3%

## STABILITY AND 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.

**LD<sub>50</sub> (oral) Rats:** 165 mg/kg

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

**LD<sub>50</sub> (oral) Mouse:** 350 mg/kg

**LD<sub>50</sub> (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

**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

**Limited Warranty:**

Our only obligation shall be to replace or pay for any material proved defective. Beyond the purchase price of materials supplied by us, we assume no liability for damages of any kind and the user accepts the product "as is" and without warranties, expressed or implied. The suitability of the product for an intended use shall be solely up to the user.

**FORM NO. 502B-MSDS**

**MATERIAL SAFETY & DATA SHEET**

**PERSNICKETY® BRAND OX-PELLETS™ OXIDIZING/POLISHING MEDIA FOR MALODOR CONTROL**

<b>PRODUCT INFORMATION</b>	
<b>Trade Name:</b>	Persnickety® Brand Oxidizing Media
<b>Name and/or Family Description:</b>	Oxidizing media for malodor control
<b>Emergency Phone:</b>	(800) 424-9300 (CHEMTREC)

*The following information relates to safety conditions when media is in loose form and not enclosed within Peacemaker™ vessels.*

<b>COMPOSITION (OSHA Hazardous Ingredients)</b>		
The specific identities of certain components of this formulation are withheld as trade secrets in accordance with 29 CFR 1910.1200.	<b>COMPONENTS</b>	<b>WT%</b>
	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.  
**Ingestion:** 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.  
**Inhalation:** 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:** NA  
**Flammable Limits:** NA  
**Extinguishing Media:** Water fog. No dry chemical, CO<sub>2</sub> 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 AND 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 <sup>3</sup> (as respirable dust)	0.05 mg/m <sup>3</sup>
Crystalline silica (Quartz)	0.1 mg/m <sup>3</sup> (as respirable dust)	0.1 mg/m <sup>3</sup>

**ENGINEERING CONTROLS**

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

**PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance:** Sand-colored granular solid.  
**Odor:** Chlorine-like odor/minty.  
**Boiling Point:** NA  
**Solubility in Water:** Insoluble  
**Specific Gravity:** 6.55 lbs/gal (bulk density)  
**Freezing Point:** NA  
**pH:** NA  
**% Volatile:** 34.3%

**STABILITY AND 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**.

**LD 50 (oral) Rats:** 165 mg/kg  
**Toxic Effects:** Liver - Jaundice, other or unclassified: Kidney, ureter, and bladder - interstitial nephritis; biochemical.

LD 50 (oral) 350 mg/kg  
Mouse:  
LD 50 (oral) 300 mg/kg  
Guinea Pig:

## DISPOSAL CONSIDERATIONS

**Waste 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 & Hazardous Materials

**Description:**

**DOT Shipping Name:** Corrosive solid  
**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

### Limited Warranty:

Our only obligation shall be to replace or pay for any material proved defective. Beyond the purchase price of materials supplied by us, we assume no liability for damages of any kind and the user accepts the product "as is" and without warranties, expressed or implied. The suitability of the product for an intended use shall be solely up to the user.