

# MATERIAL SAFETY DATA SHEET

Ferro Corporation, Polymer Additives Division  
Walton Hills Operation  
7050 Krick Road  
Walton Hills, Ohio 44146-4494 USA

**Emergency telephone number**  
CHEMTREC: 1-800-424-9300  
CHEMTREC (outside U.S.): 1-703-527-3887  
Plant Number: 1-216-750-6708

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

**Product Name:** Cata-Chek® 860 **Date of Preparation:** 07/16/2010  
**Chemical Name:** Stannous Octoate  
**CAS-No.:** 301-10-0  
**Product Code:** 1035697

## 2. HAZARDS IDENTIFICATION

### Emergency Overview

#### Warning

Causes severe irritation of eyes, skin and mucous membranes. May cause blindness. May be harmful if absorbed through skin. May be harmful if swallowed. May cause allergic skin reaction.

		<b>HMIS</b>	<b>NFPA 704</b>
<b>Color:</b>	Yellow	2	2
<b>Physical state:</b>	Liquid	1	1
<b>Odor:</b>	Characteristic	0	0
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### Potential Health Effects

**Principle routes of exposure:** Skin contact. Inhalation.  
**Eye contact:** Contact with eyes may cause irritation or burning.  
**Skin contact:** Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.  
**Inhalation:** Breathing of mists, vapors, or fumes may irritate the nose, throat and lungs.  
**Ingestion:** No more than slightly toxic if swallowed.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

<b>Components</b>	<b>CAS Number</b>	<b>Weight %</b>
1,4-Benzenediol	123-31-9	0.5 - 1%

## 4. FIRST AID MEASURES

**Eye contact:** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention if irritation develops.  
**Skin contact:** Wash off immediately with soap and plenty of water. Remove and wash contaminated clothing before re-use. If symptoms persist, call a physician.  
**Inhalation:** Move to fresh air. If breathing is difficult, give oxygen. If symptoms persist, call a physician.  
**Ingestion:** Drink plenty of water. Consult a physician if necessary. Do not induce vomiting without medical advice.

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Notes to physician: Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

Flash point (°C): 140 ( 284°F) Method: PMCC

Suitable extinguishing media: Use dry chemical, CO<sub>2</sub>, water spray or "alcohol" foam.

Hazardous decomposition products: Carbon oxides. Metal fumes.

Special protective equipment for firefighters: As in any fire, wear self-contained breathing apparatus (pressure-demand, NIOSH approved or equivalent) and full protective gear.

### 6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Evacuate area of all unnecessary personnel. Avoid contact with skin, eyes and clothing. Use personal protective equipment. Wear personal protective equipment. Ensure adequate ventilation.

Environmental precautions: Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Do not flush into surface water or sanitary sewer system.

Methods for cleaning up: Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly. Dispose of promptly.

### 7. HANDLING AND STORAGE

**Handling:**

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothing. In case of insufficient ventilation, wear suitable respiratory equipment.

**Storage:**

Keep container tightly closed in a dry and well-ventilated place.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure limits**

Minimize exposure in accordance with good hygiene practice.

Components	OSHA	ACGIH
1,4-Benzenediol	2 mg/m <sup>3</sup> TWA	1 mg/m <sup>3</sup> TWA

Engineering measures: Provide appropriate exhaust ventilation wherever dust, mist, vapors, or fumes can be generated.

Eye protection: Safety glasses with side-shields.

Skin and body protection: Lightweight protective clothing.

Hand protection: Impervious gloves.

Respiratory protection: NIOSH-approved respirators should be worn where engineering controls and work practices do not reduce exposure to or below the PEL.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice. Ensure that eyewash stations and safety showers are proximal to the work-station location. Wash hands before breaks and immediately after handling the product.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

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<b>Color:</b>	Yellow	<b>Physical state:</b>	Liquid
<b>Odor:</b>	Characteristic	<b>Molecular weight:</b>	No data available
<b>Boiling point/range (°C):</b>	No data available	<b>pH:</b>	No data available
<b>Melting point/range (°C):</b>	No data available	<b>Specific gravity (Water =1):</b>	1.270
<b>Vapor pressure (mmHg):</b>	No data available	<b>Evaporation Rate (Water = 1)</b>	< 1
<b>Water solubility:</b>	Insoluble	<b>VOC content (%)</b>	0

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable at normal conditions.
<b>Polymerization</b>	Will not occur.
<b>Hazardous decomposition products:</b>	None under normal use.
<b>Materials to avoid:</b>	Strong oxidizing agents.
<b>Conditions to avoid</b>	None known

## 11. TOXICOLOGICAL INFORMATION

**Acute toxicity:** Information given is based on data on the components and the toxicology of similar products

**Component information, if any, is listed below**

### 1,4-Benzenediol

**LD50s and LC50s:** Oral LD50 (Rat) = 320 mg/kg  
Dermal LD50 (Rat) = 900 mg/kg

## 12. ECOLOGICAL INFORMATION

**Aquatic toxicity:** Information given is based on data on the components and the ecotoxicology of similar products

### 1,4-Benzenediol

**Ecotoxicity - Fish Species Data:**

96 h LC50 (Pimephales promelas) = 0.1-0.18 mg/L static  
96 h LC50 (Oncorhynchus mykiss) = 0.044 mg/L flow-through  
96 h LC50 (Pimephales promelas) = 0.044 mg/L flow-through  
96 h LC50 (Brachydanio rerio) = 0.17 mg/L

**Ecotoxicity - Water Flea Data:**

48 h EC50 (Daphnia magna) = 0.29 mg/L

**Ecotoxicity - Freshwater Algae Data:**

72 h EC50 (Pseudokirchneriella subcapitata) = 0.335 mg/L  
120 h EC50 (Desmodesmus subspicatus) = 13.5 mg/L

**Persistence and degradability:** Not determined

## 13. DISPOSAL CONSIDERATIONS

**Waste from residues / unused products:**

Waste must be disposed of in accordance with federal, state and local environmental control regulations. Where possible recycling is preferred to disposal or incineration.

## 14. TRANSPORT INFORMATION

**DOT (U.S.)**

**Proper shipping name:** Not regulated.

14. TRANSPORT INFORMATION

**TDG (Canada)**

Proper shipping name: Not regulated.

15. REGULATORY INFORMATION

**U.S. Regulations:**

**TSCA:** Not subject to TSCA 12(b) Export Notification

**SARA 313:** Not subject to the provisions of SARA 313 Title III

**State Regulations**

This product or its ingredients have been evaluated for New Jersey, Pennsylvania, and California Prop 65 supplier notification requirements. Substances that are subject to notification requirements, if any, are listed below.

**Canadian WHMIS**

**WHMIS hazard class:** D2B Toxic materials.

**Canadian Ingredient Disclosure List (IDL):**

Components	Canada - WHMIS Ingredient Disclosure:
Stannous Octoate	1

**International Inventories**

- TSCA 8(b): Listed or exempt.
- Canadian DSL: Listed or exempt.
- EC-No. Listed or exempt.
- Philippines (PICCS): Listed.
- Japan (ENCS): Listed or exempt.
- Korea (KECL): Listed.
- China (IECS): Listed.
- Australia (AICS): Listed.
- New Zealand (NZIoC): Listed.

16. OTHER INFORMATION

**For Industrial Use Only**

**Prepared by:** Ferro Technical Center

The information and recommendations contained in this Material Safety Data Sheet have been compiled from sources believed to be reliable and to represent the most reasonable current opinion on the subject when the MSDS was prepared. No warranty, guaranty or representation is made as to the correctness or sufficiency of the information. The user of this product must decide what safety measures are necessary to safely use this product, either alone or in combination with other products, and determine its environmental regulatory compliance obligations under any applicable federal or state laws.

**End of Safety Data Sheet**