

## Material Safety Data Sheet

### Section 1 - Chemical Product and Company Identification

<b>MSDS Name:</b>	Escitalopram Oxalate
<b>Synonyms:</b>	S-(+)-Citalopram oxalate
<b>Company Identification:</b>	PI Chemicals Ltd. Building B, 633 E Shan Road, Pudong New Area Shanghai 200127, China
<b>Telephone Number:</b>	86-21-58953700
<b>Fax Number:</b>	86-21-58953701

### Section 2 - Product Information

<b>Catalog Number:</b>	PI-35900
<b>CAS Number:</b>	219861-08-2
<b>Purity:</b>	98%

### Section 3 - Physical and Chemical Properties

<b>Physical state:</b>	Crystalline powder
<b>Color:</b>	White
<b>Molecular Formula:</b>	$C_{20}H_{21}FN_2O \cdot C_2H_2O_4$
<b>Molecular Weight:</b>	414.43
<b>Freezing/Melting Point:</b>	Not available
<b>Boiling Point:</b>	Not available
<b>Flash Point:</b>	Not available
<b>Autoignition Temperature:</b>	Not available
<b>Refractive Index (nD20):</b>	Not available
<b>Density:</b>	Not available
<b>Decomposition Temperature:</b>	Not available
<b>Solubility:</b>	Not available

### Section 4 - Hazards Identification

<b>Eye:</b>	Causes eye irritation.
<b>Skin:</b>	Causes skin irritation. Harmful if absorbed through the skin.
<b>Ingestion:</b>	Harmful if swallowed.
<b>Inhalation:</b>	May be harmful if inhaled. Causes respiratory tract irritation.

### Section 5 - First Aid Measures

<b>General advice:</b>	Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
<b>If inhaled:</b>	If breathed in, move person into fresh air. If not breathing give artificial respiration. Consult a physician.
<b>In case of skin contact:</b>	Wash off with soap and plenty of water. Consult a physician.
<b>In case of eye contact:</b>	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
<b>If swallowed:</b>	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

### **Section 6 - Stability and Reactivity**

<b>Chemical Stability:</b>	Stable under recommended temperatures and pressures.
<b>Materials to avoid:</b>	Strong oxidizing agents.
<b>Hazardous Decomposition Products:</b>	Carbon oxides, hydrogen fluorin, nitrogen oxides(Nox).
<b>Hazardous Polymerization:</b>	Has not been reported.

### **Section 7 - Handling and Storage**

<b>Handling:</b>	Avoid all direct contact with material. Wash thoroughly after handling. Have safety shower and eye wash available. Do not get in eyes, on skin, on clothing.
<b>Storage:</b>	Keep container tightly closed in a dry and well-ventilated place. Recommended storage temperature: 2 - 8 °C.

### **Section 8 - Personal Protection**

<b>Eyes:</b>	Wear appropriate protective eyeglasses.
<b>Skin:</b>	Wear appropriate protective gloves to prevent skin exposure.
<b>Clothing:</b>	Wear appropriate protective clothing to prevent skin exposure.
<b>Respirators:</b>	Use an approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

### **Section 9 - Fire and Explosion Hazard Data**

<b>General Information:</b>	As in any fire, wear a self-contained breathing apparatus, MSHA/NIOSH (approved or equivalent) and protective clothing to prevent contact with skin and eyes.
<b>Extinguishing Media:</b>	Use water spray, dry chemical, carbon dioxide, or appropriate foam.

### **Section 10 - Accidental Release Measures**

<b>General Information:</b>	Use proper personal protective equipment as indicated in Section 8.
<b>Spills/Leaks:</b>	Vacuum or sweep up material and place into a suitable disposal container.

## ***Section 11 - Toxicological Information***

**RTECS#:** CAS# 219861-08-2: Not available.  
**LD50/LC50:** RTECS: Not available.  
**Carcinogenicity:** Escitalopram Oxalate  
–Not listed as a carcinogen by ACGIH, IARC, NTP, or OSHA.

## ***Section 12 - Environmental information***

Not available

## ***Section 13 - Disposal Consideration***

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state and local environmental regulations.

## ***Section 14 - Transport Information***

**IATA:** This substance is considered to be non-hazardous for transport.  
**IMO:** This substance is considered to be non-hazardous for transport.  
**RID/ADR:** This substance is considered to be non-hazardous for transport.

## ***Section 15 - Regulatory Information***

### ***European/International Regulations***

European Labeling in Accordance with EC Directives

Hazard Symbols: Xi

Indication of Danger: Irritant

Risk Phrases:

R 36/37/38: Irritating to eyes, respiratory system and skin.

Safety Phrases:

S 26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S 36: Wear suitable protective clothing.

## ***Section 16 - Additional Information***

**MSDS Creation Date:** 18 August, 2009  
**Update:** 21 July, 2011

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