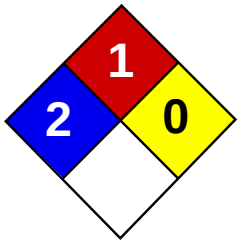

Health	2
Fire	1
Reactivity	0
Personal Protection	E

Material Safety Data Sheet
Fluoxetine Hydrochloride MSDS

Section 1: Chemical Product and Company Identification

Product Name: Fluoxetine Hydrochloride

Catalog Codes: SLF2248

CAS#: 59333-67-4 or 56296-78-7

RTECS: UI4050000

TSCA: TSCA 8(b) inventory: No products were found.

CI#: Not available.

Synonym: Prozac, Sarafem, Fontex,Adzac, Alvenin, Branfluoxe, Nuzac, Lovan, Lonparin, Levilin, Ladose, Foncin, Flutin, Zolovan, Sertex, Sarazac, Prozyn, Profac, Prenu, Praxin, Debiton, Erocap, Erotab, Fluctin, Fluctine, Fluoxeren; (+-)-Methyl-gamma-(4-(trifluoromethyl)phenoxy)benzenepropanamine hydrochloride

Chemical Name: Propylamine,N-methyl-3-phenyl-(p-trifluoromethylphenoxy)-, hydrochloride

Chemical Formula: C17-H18-F3-N-O.HCl

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call: 1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Fluoxetine Hydrochloride	59333-67-4	100

Toxicological Data on Ingredients: Fluoxetine Hydrochloride: ORAL (LD50): Acute: 452 mg/kg [Rat]. 248 mg/kg [Mouse].

Section 3: Hazards Identification

Potential Acute Health Effects:
Hazardous in case of eye contact (irritant), of ingestion. Slightly hazardous in case of skin contact (irritant), of inhalation.

Potential Chronic Health Effects:
CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance may be toxic to liver, central nervous system (CNS). Repeated or prolonged exposure to the substance can produce target organs damage.

Section 4: First Aid Measures

Eye Contact:
Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

Skin Contact: Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.

Serious Skin Contact: Not available.

Inhalation:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation: Not available.

Ingestion:
Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: May be combustible at high temperature.

Auto-Ignition Temperature: Not available.

Flash Points: Not available.

Flammable Limits: Not available.

Products of Combustion: These products are carbon oxides (CO, CO2), nitrogen oxides (NO, NO2...), halogenated compounds.

Fire Hazards in Presence of Various Substances:
Slightly flammable to flammable in presence of heat. Non-flammable in presence of shocks.

Explosion Hazards in Presence of Various Substances:
Slightly explosive in presence of open flames and sparks. Non-explosive in presence of shocks.

Fire Fighting Media and Instructions:
SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Special Remarks on Fire Hazards: As with most organic solids, fire is possible at elevated temperatures

Special Remarks on Explosion Hazards:
Fine dust dispersed in air in sufficient concentrations, and in the presences of an ignition source is a potential dust explosion hazard.

Section 6: Accidental Release Measures

Small Spill:
Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill:
Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

Section 7: Handling and Storage

Precautions:
Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe dust. Avoid contact with eyes. Wear suitable protective clothing. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents.

Storage:
Keep container tightly closed. Keep container in a cool, well-ventilated area. Store at temperatures between 15 and 30 deg. C. Do not store above 30°C (86°F).

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection:
Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits: Not available.

Section 9: Physical and Chemical Properties

Physical state and appearance: Solid. (Crystalline powder.)

Odor: Not available.

Taste: Not available.

Molecular Weight: 345.79 g/mole

Color: Yellow.

pH (1% soln/water): Not available.

Boiling Point: Not available.

Melting Point: 193°C (379.4°F) - 197 C

Critical Temperature: Not available.

Specific Gravity: Not available.

Vapor Pressure: Not applicable.

Vapor Density: Not available.

Volatility: Not available.

Odor Threshold: Not available.

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties: Not available.

Solubility:
Very slightly soluble in methanol. Freely soluble in Dichloromethane, Chloromform, DMF, DMSO. Sparingly soluble in Ethanol, Methanol, Isopropanol, Ethyl Acetate, Acetonitrile

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Excess heat, incompatible materials

Incompatibility with various substances: Reactive with oxidizing agents.

Corrosivity: Not available.

Special Remarks on Reactivity: Incompatible with oxidizing agents (e.g. peroxides, permanganates, nitric acid, etc.)

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Inhalation. Ingestion.

Toxicity to Animals: Acute oral toxicity (LD50): 248 mg/kg [Mouse].

Chronic Effects on Humans: May cause damage to the following organs: liver, central nervous system (CNS).

Other Toxic Effects on Humans:
Hazardous in case of ingestion. Slightly hazardous in case of skin contact (irritant), of inhalation.

Special Remarks on Toxicity to Animals:
Lowest Published Toxic Dose/Conc: TDL [Human] - Route: Oral; Dose: 7.8 mg/kg TDL [Woman] - Route: Oral; Dose: 0.4 mg/kg TDL [Child] - Route: Oral; Dose: 26 mg/kg

Special Remarks on Chronic Effects on Humans: May cause adverse reproductive effects and birth defects (teratogenic)

Special Remarks on other Toxic Effects on Humans:
Acute Potential Health Effects: Skin: Causes skin irritation. Eyes: Causes eye irritation. Inhalation: May cause respiratory tract irritation. Ingestion: May cause gastritis, thirst, increased salivation, tongue discoloration, fecal incontinence, stomatitis, dysphagia, eructation, esophagitis, gingivitis, melena, nausea, disturbances in appetite, diarrhea, vomitig, bloody diarrhea, colitis, duodenal or gastric ulcer, salivary gland enlargement, May cause skin rash. Systemic events may develop in individuals with rash. Although these are rare, they may be serious, involving the lung, kidney, or liver. Bronchitis, rhinitis, anaphylactoid events including asthma, bronchspasm, angioedema, and urticaria alone and in combination have been reported. Pulmonary events including inflammatory processes of varying histopathology and/or fibrosis, have been reported rarely. These events have occurred with dyspnea as the only preceding symptom. May affect behavior/central nervous system/nervous system, with symptoms such as anxiety, nervousness,insomnia, abnormal dreams, agitation, fatigue, drowsiness, confusion, delusions, hallucinations, psychosis, paranoid reaction, depersonalization, apathy, emotional lability, euphoria, hostility, amnesia, increased libido, antisocial reaction, hysteria, suicidal ideation, violent behvavior, hypomania, mania, seizures, dizziness, asthenia and headaches, tremor, lightheadedness, abnormal gait, ataxia, akathisia, buccoglassal symdrome, vertigo, tinnitus, hypesthesia, neuralgia, neuropathy, acute brain syndrome photophobia, incoordination, neck rigidity, extrapyramidal syndrom, stupor, coma, paralysis paresthesia, carpal tunnel syndrome, dyskinesia and other movement disorder, . Hyponatremia, altered platelet function. May also affect the liver and cause abnormal liver function tests, jaundice, hepatitis, liver tenderness. May also affect the endocrine system (pancreatitis, hypoglycemia, (hypothyroidism, gout),and cardiovascular system (chest pain, hypertension, syncope, hypotension (including postural hypotension), angina, pectoris, arrhythmia, tachycardia, bradycardia, ventricualr arrhythmia, myocardial infarction, cerebral ischemia, cerebral vascular accident, thrombophlebitis), blood (anemia, lymphadenopathy, hemorrhage, bleeding time increased, leukocytosis, lymphocytosis, thrombocytopenia, thrombocytopenic purpura, thrombocythemia, petechia, purpura, sedimentation rate increased, aplastic anemia, pancytopenia, immune-related hemolytic anemia), urinary system (frequent micturation, urinary tract infection, urethal pain, urolithiasis, kidney calculus, urethritis, hematuria, albuminuria,

Section 12: Ecological Information

Ecotoxicity: Ecotoxicity in water (LC50): 1.6 ppm 96 hours [Fish (Trout)]. 0.9 ppm 48 hours [Daphnia (daphnia)].

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are as toxic as the product itself.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:
Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transport Information

DOT Classification: Not a DOT controlled material (United States).

Identification: Not applicable.

Special Provisions for Transport: Not applicable.

Section 15: Other Regulatory Information

Federal and State Regulations: No products were found.

Other Regulations: OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

Other Classifications:

WHMIS (Canada): CLASS D-1B: Material causing immediate and serious toxic effects (TOXIC).

DSCL (EEC):
R22- Harmful if swallowed. R36- Irritating to eyes. R43- May cause sensitization by skin contact. R50- Very toxic to aquatic organisms. S46- If swallowed, seek medical advice immediately and show this container or label. S56- Dispose of this material and its container at hazardous or special waste collection point.

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 1

Reactivity: 0

Personal Protection: E

National Fire Protection Association (U.S.A.):

Health: 2

Flammability: 1

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Splash goggles.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

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