

Section 1: Identification

Product Name Clomipramine Hydrochloride USP
Commercial Name Not available
Product Use Not available
Restrictions On Use Not available

Product Code 30-4511

Company PCCA
 9901 South Wilcrest
 Houston, TX 77099
 Phone: 1-800-331-2498
 Fax: 1-800-874-5760

In case of emergency contact:
CHEMTREC (24hr) 1-800-424-9300

Section 2: Hazard(s) Identification

OSHA Haz Com: Acute toxicity, Oral (Category 4) Reproductive toxicity (Category 2) Acute aquatic toxicity (Category 1)
CFR 1910.1200 Chronic aquatic toxicity (Category 1)

Signal Word WARNING

Hazard Statement(s) Harmful if swallowed. Suspected of damaging the unborn child. Very toxic to aquatic life with long lasting effects.

Pictogram(s) or Symbol(s)



Precautionary Statement(s):

Prevention	Wear protective gloves/protective clothing/eye protection/face protection.
Response	IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth
Storage	Not available.
Disposal	Not available.

Section 3: Composition/Information on Ingredients

Substance/Mixture Substance
Components Clomipramine Hydrochloride
% By Weight 100
CAS# 17321-77-6
Molecular Weight 351.3 g/mol
Chemical Formula C₁₉H₂₃ClN₂ - HCl
Synonym(s) Clomipramine hydrochloride

Mixtures				
Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
Clomipramine Hydrochloride	17321-77-6	100	N/A	N/A

Section 4: First-Aid Measures

Inhalation	Consult a physician. Show this safety data sheet to the doctor in attendance.
Skin Contact	Wash off with soap and plenty of water. Consult a physician.
Eye Contact	Flush eyes with water as a precaution.
Ingestion	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
Symptoms/Effects	
Acute	Not available
Delayed	Not available
Immediate Medical Attention	
Not available.	

Section 5: Fire-Fighting Measures**Suitable Extinguishing Media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable Extinguishing Media

Not available.

Products of Combustion

Not available.

Firefighters Special Equipment and Precautions

Wear self contained breathing apparatus for fire fighting if necessary.

Section 6: Accidental Release Measures

Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided. Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

Section 7: Handling and Storage

Precautions for safe handling Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection. Conditions for safe storage Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Do not store above 25 °C. Protect from direct sunlight. Moisture (desiccant) pack included inside drum. Keep container closed when not in use.

Section 8: Exposure Controls/Personal Protection

Exposure Limits	Not available.
Engineering Controls	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
Personal Protection	Eye protection Safety goggles with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Skin and body protection Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with the product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specification of EU Directive 89/686/EEC and the standard EN 374 derived from it. Body Protection Complete suit protecting against chemical. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Respiratory protection Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Section 9: Physical and Chemical Properties

Appearance	Solid		
Odor	odorless.		
Odor Threshold	Not available.		
Melting Point	189 - 192	pH	3.5 - 5 at 100 g/l
Freezing Point	Not available.	Vapor Pressure	Not available.
Boiling Point/Range	Not available.	Vapor Density	Not available.
Decomposition temperature	Not available.	Viscosity	Not available.
Partition Coefficient: n-octanol/water	Not available.	Evaporation Rate	Not available.
Flash Point	Not available.	Autoignition temperature	350 C
Flammability	Not available.	Flammability or Explosive Limits:	
		Lower	Not available.
		Upper	Not available.
Solubility(ies)	125 g/l - soluble		
Other	Not available.		

Section 10: Stability and Reactivity

Reactivity	Not available
Chemical Stability	Stable under recommended storage conditions.
Hazardous Polymerization	Not available
Conditions to Avoid	Not available.
Incompatible Materials	Not available.
Hazardous Decomposition Products	Hazardous decomposition products formed under fire conditions- carbon oxides, nitrogen oxides, hydrogen chloride gas.

Section 11: Toxicological Information
RTECS HN9055000

Acute Toxicity

Acute toxicity LD50 Oral - rat - 914 mg /kg Remarks: Behavioral: Convulsions or effect on seizure threshold. Cyanosis Skin corrosion/irritation no data available Serious eye damage/eye irritation no data available Respiratory or skin sensitization no data available Germ cell mutagenicity no data available Carcinogenicity at edresent carcinogen aby IARC or equal to 0.1 % is identified as IARC: No component of this product probable, possible or Reproductive toxicity Reproductive toxicity - rat - Subcutaneous Effects on Newborn: Behavioral. Developmental Toxicity - mouse - Subcutaneous Effects on Embryo or Fetus: Fetal death. Specific Developmental Abnormalities: Central nervous system. Specific target organ toxicity - single exposure Inhalation - May cause respiratory irritation. no data available Specific target organ toxicity - repeated exposure no data available Aspiration hazard no data available Potential health effects Inhalation Harmful if inhaled. Causes respiratory tract irritation. Ingestion Harmful if swallowed. Skin Harmful if absorbed through skin. Causes skin irritation. Eyes Causes serious eye irritation.

Skin Corrosion/Irritation

No data available

Serious Eye Damage/Irritation

No data available

Respiratory or Skin Sensitization

No data available

Germ Cell Mutagenicity

No data available

Carcinogenicity

Not listed

Reproductive Toxicity

Behavioral effects on newborn. Effects on Embryo or Fetus: Fetal death. Specific Developmental Abnormalities: Central nervous system.

Routes of Entry

Not available.

Symptoms Related to Exposure

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated

Potential Health Effects

Harmful by inhalation, in contact with skin and if swallowed. Irritating to eyes, respiratory system and skin

Target Organ(s)

Not available

Section 12: Ecological Information**Ecotoxicity**

Toxicity to fish LC 50 - Danio rerio (zebra fish) - 0.43 mg/l - 96 h

Persistence and Degradability

Not available.

Bioaccumulative Potential

The product may be accumulated in organisms.

Mobility in Soil

Not available.

Other Adverse Effects

Not available.

Section 13: Disposal Considerations**Waste Disposal**

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Offer surplus and non-recyclable solutions to a licensed disposal company.

Disposal of Container

Dispose of as an unused product.

Other Considerations

Not available.

Section 14: Transport Information**DOT Classification**

ADR/RID Not dangerous goods IMDG Not dangerous goods IATA Not dangerous goods

Section 15: Regulatory Information**Regulations**

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Other

Not available.

Section 16: Other Information

Not available.