Demethyl Chlorpromazine Hydrochloride: sc-211234

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Demethyl Chlorpromazine Hydrochloride
Product Number: sc-211234

Supplier: Santa Cruz Biotechnology, Inc.
2145 Delaware Avenue
Santa Cruz, CA 95060
800.457.3801 or 831.457.3800

Emergency: ChemWatch
Within the US & Canada: 877–715–9305
Outside the US & Canada: +800 2436 2255 (1–800-CHEMCALL) or call +613 9573 3112

2. HAZARDS IDENTIFICATION

WHMIS Classification (Canada)

D1A Very Toxic Material Causing Immediate and Serious Toxic Effects
Toxic by Ingestion/Inhalation

WHMIS Symbols (Canada)

Classification of the Substance or Mixture and Label Elements

GHS Hazards Classification (According to EU Regulation 1272/2008 and US OSHA 1910.1200)

Acute Toxicity, Oral (Category 3)
Acute Toxicity, Inhalation (Category 2)

EU Classification (According to EU Regulation 67/548/EEC)

Toxic by inhalation and if swallowed.

EU Risk and Safety Statements (According to EU Regulation 67/548/EEC)

Hazard Statements	Hazard Codes
Toxic	T

Risk Codes and Phrases

R23/25 Toxic by inhalation and if swallowed.

Safety Precaution Codes and Phrases

S22 Do not breathe dust. S37/39 Wear suitable gloves and eye/face protection.
S46 If swallowed, seek medical advice immediately and show this container or label.
S63 In case of accident by inhalation, remove casualty to fresh air and keep at rest.

GHS Hazards Identification (According to EU Regulation 1272/2008 and US OSHA 1910.1200)

Signal Word Danger

GHS Hazard Statements

H301 Toxic if swallowed.
H330 Fatal if inhaled.

GHS Precautionary Statements

P264 Wash hands thoroughly after handling.
P284 Wear respiratory protection.
P261 Avoid breathing dust/fume/gas/mist/vapors/spray.

P301/P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P304/P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Unclassified Hazards/Hazards Not Otherwise Classified
No data available

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances
Molecular Formula: C16H18Cl2N2S
CAS Registry #: 3953–65–9
Molecular Weight: 341.30
CAS Registry #: 3953–65–9
EC#: -
Synonyms
2-Chloro-N-methyl-10H-phenothiazine-10-propanamine Hydrochloride; 2-Chloro-10-(3-methylaminopropyl) phenothiazine Hydrochloride; Desmethylchlorpromazine Hydrochloride; Mono-N-demethylchloropromazine Hydrochloride; Mono-N-demethylchlorpromazine Hydrochloride; SKF 4514A
Mixtures
Not a mixture

4. FIRST AID MEASURES

Description of First Aid Measures
General Advice
If medical attention is required, show this safety data sheet to the doctor.
If Inhaled
If inhaled, move casualty to fresh air. If not breathing, give artificial respiration and consult a physician.
In Case of Skin Contact
Wash affected area with soap and water. Consult a physician if any exposure symptoms are observed.
In Case of Eye Contact
Immediately rinse eyes with plenty of water for at least 15 minutes. Consult a physician.
If Swallowed
Never give anything by mouth to an unconscious person. Rinse mouth with water. Do NOT induce vomiting unless advised to do so by a physician or Poison Control Center. Seek medical attention.
Most Important Symptoms and Effects, Both Acute and Delayed
No data available
Indication of any Immediate Medical Attention and Special Treatment Needed
No data available

5. FIREFIGHTING MEASURES

Extinguishing Media
Suitable Extinguishing Media
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special Hazards Arising from the Substance or Mixture
Carbon oxides, Nitrogen oxides, Hydrogen chloride, Sulfur oxides
Advice for Firefighters
Wear self contained breathing apparatus for fire fighting if necessary.
Further Information
No data available

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures
Use recommended personal protective equipment (see Section 8). Prevent the formation of dusts and mists. Adequate ventilation must be provided to ensure dusts or mists are not inhaled.
Environmental Precautions
Material should not be allowed to enter the environment. Prevent further spillage or discharge into drains, if safe to do so.

Methods and Materials for Containment and Cleaning Up
Contain the spill and then collect using non-combustible absorbent material (such as clay, diatomaceous earth, vermiculite or other appropriate material). Place material in a suitable, sealable container and then dispose according to local/national regulations and guidance (see Section 13).
For protective equipment, refer to Section 8. For disposal, see Section 13.

7. HANDLING AND STORAGE

Precautions for Safe Handling
Avoid contact with skin and eyes. Ventilation and proper handling are to be used to prevent the formation of dusts and mists. Normal measures for preventative fire protection. No smoking, eating or drinking around this material. Wash hands after use.
Conditions for Safe Storage, Including any Incompatibilities
Ensure container is kept securely closed before and after use. Keep in a well ventilated area and do not store with strong oxidizers or other incompatible materials (see Section 10). Store at 20 ºC.
Specific End Uses
For scientific research and development only. Not for use in humans or animals.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters
Contains no components with established occupational exposure values.
Exposure Controls
Appropriate Engineering Controls
A laboratory fume hood or other appropriate form of local exhaust ventilation should be used to avoid exposure.
Personal Protective Equipment
All recommendations below are advisory in nature and a risk assessment should be performed by the employer/ end user prior to use of this product. The type of protective equipment must be selected based on the amount and concentration of the dangerous material being used in the workplace.
Eye/Face Protection
Safety goggles or face shield. All equipment should have been tested and approved under appropriate standards, such as NIOSH (US), CSA (Canada), or EN 166 (EU).
Skin Protection
Gloves should be used when handling this material. Gloves are to be inspected prior to use. Contaminated gloves are to be removed using proper glove removal technique so that the outer surface of the glove does not contact bare skin. Dispose of contaminated gloves after use in compliance with good laboratory practices and local requirements.

Gloves used for incidental exposures (splash protection) should be designated as “chemical resistant” by EU standard

EN 374 with the resistance codes corresponding to the anticipated use of the material. Unrated gloves are not recommended. Penetration time has not been determined.

Gloves used for prolonged direct exposure (immersion) should be designated “chemical resistant” as per EN 734 with the resistance codes corresponding to the anticipated use of the material.
Penetration time has not been determined.

These recommendations may not apply if the material is mixed with any other chemical, or dissolved into a solution. A risk assessment must be performed to ensure the gloves will still offer acceptable protection.
Body Protection
Fire resistant (Nomex) coveralls or chemical-resistant bodysuit (laminated Tychem SL or equivalent).
Respiratory Protection
Recommended respirators are NIOSH-approved N100 or CEN-approved FFP3 particulate respirators. These are to be only used as a backup to local exhaust ventilation or other engineering controls. If the respirator is the only means of protection, a full-face supplied air respirator must be used.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Appearance	Solid	Odor Threshold	No data available
Melting Point/Freezing Point	178–180°C	Flash point	No data available

Flammability (Solid/Gas)	No data available	Vapor Pressure	No data available
Relative Density	No data available	Odor	No data available
Explosive Properties	No data available	pH	No data available
Decomposition Temperature	No data available	Solubility	Chloroform, Methanol
Partition Coefficient: n-octanol/water	No data available	Vapor Density	No data available
Initial Boiling Point/ Boiling Range	No data available	Evaporation Rate	No data available
Auto-Ignition Temperature	No data available	Viscosity	No data available
Oxidizing Properties	No data available		

Upper/Lower Flammability/Explosive Limits: No data available

Other Information

no data available

10. STABILITY AND REACTIVITY

Reactivity

No data available

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

No data available

Conditions to Avoid

No data available

Incompatible Materials

Strong oxidizing materials.

Hazardous Decomposition Products

No data available

11. TOXICOLOGICAL INFORMATION

Information on Toxicological Effects

Acute Toxicity

No data available

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

No data available

Reproductive Toxicity/Teratogenicity

No data available

Single Target Organ Toxicity – Single Exposure

No data available

Single Target Organ Toxicity – Repeated Exposure

No data available

Aspiration Hazard

No data available

Potential Health Effects and Routes of Exposure

Inhalation	May be fatal if inhaled. May cause respiratory tract irritation.
Ingestion	Toxic if swallowed.
Skin	May be harmful if absorbed through skin. May cause skin irritation.
Eyes	May cause eye irritation.

Signs and Symptoms of Exposure
No data available
To the best of our knowledge, the chemical, physical, and toxicological properties of this material have not been thoroughly investigated.
Additional Information
RTECS: Not listed

12. ECOLOGICAL INFORMATION

Toxicity
No data available
Persistance and Degradability
No data available
Bioaccumulative Potential
No data available
Mobility in Soil
No data available
Results of PBT and vPvB Assessment
No data available
Other Adverse Effects
No data available

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods
Product
Product may be burned in an incinerator equipped with afterburner and scrubber. Excess and expired materials are to be offered to a licensed hazardous material disposal company. Ensure that all Federal and Local regulations regarding
the disposal and destruction of this material are followed.
Contaminated Packaging
Dispose of as above.
Other Considerations
Product is not to be disposed of in sanitary sewers, storm sewers, or landfills.

14. TRANSPORT INFORMATION

UN Number
DOT (US): 2811 IATA: 2811 IMDG: 2811 ADR/RID: 2811
UN Proper Shipping Name
DOT (US)/IATA:
Toxic solid, organic, n.o.s (Demethyl Chlorpromazine Hydrochloride)
IMDG/ARD/RID:
TOXIC SOLID, ORGANIC, N.O.S (Demethyl Chlorpromazine Hydrochloride)
Transport Hazard Class(es)
DOT (US): 6.1 IATA: 6.1 IMDG: 6.1 ADR/RID: 6.1
Packing Group
DOT (US): II IATA: II IMDG: II ADR/RID: II
Environmental Hazards
DOT (US): None IATA: None IMDG: None ADR/RID: None

15. REGULATORY INFORMATION

This safety data sheet complies with the requirements of WHMIS (Canada), OSHA 1910.1200 (US), and EU Regulation
EC No. 1907/2006 (European Union).
Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture Canada
DSL/NDSL Status: This product is not listed on the Canadian DSL/NDSL.
United States
TSCA Status: This product is not listed on the US EPA TSCA.

European Union
ECHA Status: This product is not registered with the EU ECHA.
Chemical Safety Assessment
No data available

16. OTHER INFORMATION

The above information is believed to be correct but does not purport to be complete and should be used only as a guide. The burden of safe use of this material rests entirely with the user.

4/5/2013