L-NIL dihydrochloride: sc-205362

MATERIAL SAFETY DATA SHEET

SECTION 1 – Product And Company Identification

PRODUCT NAME: L-NIL dihydrochloride
CATALOG CODE: sc-205362
SYNONYMS: N6-(1-iminoethyl)-L-lysine dihydrochloride

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

SECTION 2 – Hazardous Ingredients/Identity Information

Chemical Family: Nitric Oxides
Hazard Label:
NFPA Ratings: (0–4)
NFPA Specific Hazards
Health: 2
Flammability: 0
Reactivity: 0

Hazardous Components	(Specific Chemical Identity/Common Name)	CAS #
L-NIL (dihydrochloride)	{L-N6-(1-Iminoethyl)lysine (hydrochl	159190–45–1

CAS #	*OSHA PEL*	*ACGIH TLV*	*Other Limits*	*Percentage*
159190–45–1				100.0

Molecular Formula: C8H17N3O2 . 2HCl
Molecular Weight: 260.20
Boiling Point: NE or NA
Melting Point: 144.0C to: 145.0C
Specific Gravity: NE or NA (Water = 1)
Vapor Pressure: NE or NA (mm Hg)
Vapor Density: NE or NA (Air = 1)
Physical States: [ ] Gas , [ ] Liquid , [X] Solid
Evaporation Rate: NE or NA (Butyl Acetate = 1)
Solubility In Water: >50 mg/ml at 25.0C
Percent Volatile: NE or NA
Flash Pt: NE or NA Method Used:
Explosive Limits: LEL: UEL:Autoignition Pt: NE or NA

SECTION 3 – Physical/Chemical Characteristics

Appearance: Crystalline solid.

SECTION 4 – Fire and Explosion Hazard Data

Extinguishing Media:
Use alcohol foam, carbon dioxide, or water spray when fighting firesinvolving this material.
Special Fire Fighting Procedures:
Unusual Fire and Explosion Hazards:

SECTION 5 – Reactivity Data

Stability: Unstable [ ] Stable [X]
Conditions To Avoid – Instability:
Incompatibility – Materials To Avoid:
Hazardous Decomposition Or Byproducts:
Hazardous Polymerization: May occur [ ] Will not occur [X]
Conditions To Avoid – Hazardous Polymerization:

SECTION 6 – Health Hazard Data

Route(s) of Entry: Inhalation? Yes Skin? Yes Eyes? Yes Ingestion? Yes
Other:
Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No
Recommended Exposure Limits:
LD 50/LC 50:
Health Hazards (Acute and Chronic):
Contact may cause skin or eye irritation. The toxicological properties ofthis compound have not been fully evaluated.
Carcinogenicity/Other Information:
Recommended Exposure Limits:
LD 50/LC 50:
Signs and Symptoms Of Exposure:
Irritating to the skin, eyes, nose, throat, and respiratory tract.
Medical Conditions Generally Aggravated By Exposure:
Emergency and First Aid Procedures:
If inhaled remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Get immediate medical attention. If swallowed, wash out mouth with water provided person isconscious. Never give anything by mouth to an unconscious person. Get medical attention. In case of contact with eyes, hold eyelids apart and flush eyes with plenty of water. After initial flushings, remove anycontact lenses and continue flushing for at least 15 minutes. Have eyes examined and tested by medical personnel. In case of skin contact, immediately wash skin with soap and plenty of water. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.

SECTION 7 – Precautions for Safe Handling and Use

Steps To Be Taken In Case Material Is Released Or Spilled:
Vacuum or sweep up material and place in disposal container. Wash areawith soap and water.
Waste Disposal Method:
Dispose in accordance with local, state and federal regulations.
Precautions To Be Taken in Handling and Storing:
Protective Equipment Summary – Hazard Label InformationEye wash station in work area Lab coat Latex disposable gloves Safety glasses Safety shower in work area Vent Hood
Avoid contact with eyes, skin, and clothing. Do not reuse this container. Store at correct temperature. Use with adequate ventilation. Wash thoroughly after handling.
Other Precautions:

SECTION 8 – Control Measures

Protective Equipment Summary – Hazard Label Information Eye wash station in work area Lab coat Latex disposable gloves Safety glasses Safety shower in work area Vent Hood
Respiratory Equipment (Specify Type):
Ventilation:
Good general ventilation should be sufficient to control airborne levels.
Eye Protection:
Safety glasses
Protective Gloves:
Latex disposable gloves
Other Protective Clothing:
Lab coat

Work/Hygienic/Maintenance Practices:
Facilities storing or utilizing this material should be equipped with an eye wash facility and a safety shower. Wash thoroughly after handling.

SECTION 9 – Additional Comments

For research use only, not for human or veterinary clinical use.
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.

05/18/2011