MATERIAL SAFETY DATA SHEET

LITHIUM NICKEL MANGANESE COBALT OXIDE
(LiNiMnCoO\(_2\), Purity: 99.9\%, APS: \(\leq 25.0\)µm
Stock #: NS6130-12-000319

1. IDENTIFICATION OF THE PRODUCT AND THE COMPANY

Product Name : Lithium Nickel Manganese Cobalt Oxide
Use : Research and Development
Address : Nanoshel LLC
          3422 Old Capitol Suit 1305
          Willmington DE – 19808
          United States

Emergency : +1.532.253.9878

2. COMPOSITION & INFORMATION ON INGREDIENTS

Chemical Characterisation : LiNiMnCoO\(_2\)
Hazardous Ingredients : Nil

3. HAZARD IDENTIFICATION

Toxicity : No Data Available
Eye Contact : Dust may cause irritation

4. FIRST AID MEASURES

Skin : Wash skin with soap and copious amounts of water
Eyes : Immediate and prolonged irritation treat with copious amounts of water.
Ingestion : Wash out mouth with water provided person is conscious.
Inhalation: If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

5. FIREFIGHTING MEASURES

Extinguishing Data: Water Spray

Unsuitable Extinguishing Data: Carbon Dioxide, Dry Chemical Powder, Polymer Foam

Unusual Firefighting Hazards: Capable of creating a dust explosion

Special Firefighting Procedures: Use normal procedures which include wearing self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear respirator, chemical safety goggles, rubber boots and gloves.

Precautions to the Environment: Sweep up, place in a bag and hold for waste disposal.

Cleanup Procedures: Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

7. HANDLING AND STORAGE

Handling Precautions: Chemical Safety Goggles. Compatible with Chemical-resistant Gloves

Storage: Store in a cool dry place.

Unusable Packaging Materials: Wash thoroughly after handling. Irritating dust, Keep tightly closed

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Personal Protective Equipment

Respiratory: Self-contained breathing apparatus
Hand: Chemical-resistant Gloves
Eye: Avoid contact with eyes
Skin: Wash thoroughly after handling
9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance
Form : Powder
Colour : Black
Odour : No Odour

Safety Related Information
FlashPoint : N/A
Boiling Point : N/A
Melting Point : N/A
pH : ≤11.00

10. STABILITY AND REACTIVITY

Stability : Completely Stable
Reactivity : Non Reactive/ Non Soluble

11. TOXICOLOGICAL INFORMATION

Possible Health Effects
Skin : No effect
Eyes : Irritation
Inhalation : No Chocking Hazard

12. ECOLOGICAL IMPACT

Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.
No Negative Ecological Impact, Data not Available

13. WASTE DISPOSAL

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator, equipped with an afterburner and scrubber

14. TRANSPORT INFORMATION (UN ORNEK OLARAK VERİLMİŞTİR)

| HS Code | 28230000 |
| CAS     | 346417-97-8 |
| Proper Shipping Name | Lithium Nickel Manganese Cobalt Oxide |
| Air Transport (ICAO & IATA) | Speciality Chemical |
| Class | Non Hazardeous |
| Packing group | Normal Packing |
15. OTHER REGULATORY INFORMATION

Federal and State Regulations: TSCA 8(b) inventory: Lithium Nickel Manganese Cobalt Oxide

Other Regulations: EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada): Not controlled under WHMIS (Canada)

DSCL (EEC):
- R36- Irritating to eyes
- S2- Keep out of the reach of children
- S46- If swallowed, seek medical advice immediately & show container or label

HMIS (U.S.A.):
- Health Hazard: 1
- Fire Hazard: 0
- Reactivity: 0
- Personal Protection: E

National Fire Protection Association (U.S.A.):
- Health: 1
- Flammability: 0
- Reactivity: 0
- Specific hazard:

Protective Equipment:
- Gloves.
- Lab coat.
- Dust respirator. Be sure to use an approved/certified respirator or equivalent.
- Splash goggles.

16. OTHER INFORMATION

References: Not available
Other Special Considerations: Not available