1. IDENTIFICATION OF THE PRODUCT AND THE COMPANY

Product Name : Cadmium Nanopowder
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 : Cd
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
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

外观

形式：粉末
颜色：灰色
气味：无气味

安全相关信息

闪点：N/A
沸点：765°C
熔点：320.9°C
pH：N/A

10. STABILITY AND REACTIVITY

稳定性：完全稳定
反应性：非反应/非可溶

11. TOXICOLOGICAL INFORMATION

可能的健康影响

皮肤：无影响
眼睛：刺激
吸入：无哽噎危险
毒性：非有毒

12. ECOLOGICAL IMPACT

避免扬起灰尘。通风区域并清洗材料捡拾后溢出地点。

没有负面生态影响，数据不可用

13. WASTE DISPOSAL

将材料与可燃溶剂混合并燃烧在配备有后处理器和洗涤器的化学焚烧炉中。

14. TRANSPORT INFORMATION (UN ORNEK OLARAK VERİLMİŞTİR)

HS代码：81072000
CAS：7440-43-9
合适运输名称：镉纳米粉
空气运输 (ICAO & IATA)：金属纳米粉
类别：非危险
包装组：正常包装
运输信息：不针对IATA（AIR）
15. OTHER REGULATORY INFORMATION

Federal and State Regulations: TSCA 8(b) inventory: Cadmium Nanopowder

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