# Material Safety Data Sheet

## Product

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<td><strong>Product</strong></td>
<td>Cyanide Zinc Salt</td>
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## 1. Information on Ingredients

**Hazardous Ingredients**: Sodium cyanide / sodium hydroxide.

## 2. Physical and Chemical Properties

1. **Physical State**: Powder
2. **Colour**: White
3. **Specific Gravity**: N.A
4. **Solubility in Water**: Soluble
5. **Odour**: -
6. **Other**: -

## 3. Fire Fighting Measures

1. **Flash Point C**: Not Known
2. **Extinguising Media**: Not combustible
3. **Special Fire Fighting Procedures**: Wear protective clothing and self contained breathing apparatus. Keep containers cool to prevent rupture and release of material.
4. **Unusual Fire and Explosion Hazard**: In the presence of water, material may react with amphoteric metals. (like aluminium, zinc or tin) generating hydrogen gas which will burn or explode if ignited.

## 4. Health Hazard Identification Acute Toxicity

1. **Inhalation**: Mist / vapor highly toxic
2. **Ingestion**: Highly toxic, fatal.
3. **Skin**: Causes severe burns. Can be fatal in contact with broken skin.
4. **Eyes**: Causes severe burning with damage.
5. **Chronic Exposure**: Increased susceptibility to illness. May be fatal.
6. **Carcinogen Reference**: N.A

## 5. Emergency and First Aid Measures

1. **Inhalation**: Give cyanide antidote and seek medical attention.
INGESTION
Wash with plenty of water. Seek medical attention.

EYES
Flush with plenty of water and seek medical attention.

SKIN
Wash with plenty of water.

6. ACCIDENTAL RELEASE MEASURES
Neutralize with sodium hypochlorite wash with plenty of water. Avoid contact with skin, eyes and clothing. Contain spill and soak up in suitable absorbent, shovel into plastic containers and covers. Dispose of in accordance with local and state regulations.

7. HANDLING AND STORAGE
HANDLING
Use only in well ventilated areas. Containers will contain hazardous residues. Dispose off in accordance with state and local regulations.

STORAGE
Store in cool & dry place under closed condition to avoid any contaminations. Loosen cover cautiously when opening. Keep container closed when not in use. Keep only in original containers.

8. PERSONAL PROTECTIVE EQUIPMENT
1 VENTILATION
Local exhaust or adequate general ventilation.

2 RESPIRATOR
Use Niosh approved respirator whenever necessary.

3 EYE PROTECTION
Chemical safety goggles or face shields.

4 GLOVES
Neoprene / Natural Rubber.

5 OTHER PROTECTIVE CLOTHINGS
Chemically resistant coveralls, hat & shoes or boots.

6 GENERAL SAFETY AND HYGINE MEASURES
Handle in accordance with good industrial hygiene and safety practice. Safety showers and eye wash stations should be provided in areas where this product is used. Wash with soap and water after use.

9. STABILITY AND REACTIVITY DATA
1 STABILITY
Stable.

2 CONDITIONS TO AVOID
N.A.

3 INCOMPATABILITY (Material to avoid)
Acids and acidic materials.
4  HAZARDOUS DECOMPOSITION  None

5  HAZARDOUS POLYMERIZATION  Will not occur.

   N. A  : Not applicable
   T. S  : Trade Secret as per 29 CFR 1910.1200
   CAS  : Chemical Abstract Service
   PEL  : OSHA Permissible Exposure Limit

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