



# Material Safety Data Sheet

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**CLEARTRAN(TM) - ZINC SULFIDE**

**Emergency telephone number**

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**CHEMTREC 800-424-9300, NON EMERGENCY 215-592-3000**

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**Eyes:** Direct contact with material can cause the following:  
Like any foreign body, particles can cause mechanical irritation.  
slight to moderate irritation

**Skin:** irritation

**Inhalation:** irritation of nose, throat, and lungs  
dizziness  
headache  
nausea  
Inhalation of dust can cause the following:

**Primary Routes of Entry:** Skin contact  
Eye contact  
Inhalation

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**Inhalation:** Give artificial respiration if breathing has stopped. Keep patient warm and at rest. If unconscious place in recovery position and seek medical advice. When symptoms persist or in all cases of doubt seek medical advice. Move to fresh air.

**Skin contact:** Take off contaminated clothing and shoes immediately. Wash with water and soap as a precaution.

**Eye contact:** Flush eyes with water as a precaution.

**Ingestion:** Never give anything by mouth to an unconscious person. Drink water as a precaution. If a person vomits when lying on his back, place him in the recovery position.

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**Thermal decomposition** During a fire, irritating and highly toxic gases and/or fumes may be generated during combustion or decomposition.

**Suitable extinguishing media:** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Special protective equipment for fire-fighters:** Wear full protective clothing and self-contained breathing apparatus.

**Further information:** Standard procedure for chemical fires.

**Personal precautions**

Refer to protective measures listed in sections 7 and 8.

**Methods for cleaning up**

Clean up promptly by sweeping or vacuum.

**Additional advice:** See SECTION 13, Disposal Considerations, for information regarding the disposal of contained spills.

Use mechanical handling equipment.

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**Handling**

No special handling advice required. For personal protection see section 8.

**Advice on protection against fire and explosion:** Normal measures of preventive fire protection.

**Storage**

**Storage conditions:** Keep container tightly closed in a dry and well-ventilated place. No special storage conditions required.

**Other data:** No decomposition if stored and applied as directed.

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**Exposure limit(s)**

Exposure limits are listed below, if they exist.

**Eye protection:** Use chemical splash goggles (ANSI Z87.1 or approved equivalent).

**Hand protection:** For prolonged or repeated contact use protective gloves.

**Respiratory protection:** A respiratory protection program meeting OSHA 1910.134 and ANSI Z88.2 requirements or equivalent must be followed whenever workplace conditions warrant a respirator's use. When dusty conditions are encountered, wear a properly fitted NIOSH approved (or equivalent) half-mask, air-purifying respirator. None required if airborne concentrations are maintained below the exposure limit listed in Exposure Limit Information.

**Hygiene measures:** Handle in accordance with good industrial hygiene and safety practice.

**Protective measures:** Do not breathe dust. No special protective equipment required.

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|-----------------------|----------------|
| pH                    | not applicable |
| Flash point           | not applicable |
| Lower explosion limit | not applicable |
| Upper explosion limit | not applicable |
| Vapour pressure       | negligible     |
| Water solubility      | insoluble      |
| Relative density      | 4.08           |
| Evaporation rate      | not applicable |

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**Conditions to avoid**      Static discharge

**Materials to avoid**      Incompatible with strong acids and oxidizing agents.

**polymerization**          Product will not undergo polymerization.

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No toxicity data are available for this material.  
Aquatic toxicity is unlikely due to low solubility.

**Disposal**

**Waste Classification:** When a decision is made to discard this material as supplied, it does not meet RCRA's characteristic definition of ignitability, corrosivity, or reactivity, and is not listed in 40 CFR 261.33. The toxicity characteristic (TC), however, has not been evaluated by the Toxicity Characteristic Leaching Procedure (TCLP).

For disposal, incinerate or landfill at a permitted facility in accordance with local, state, and federal regulations (see 40 CFR Part 268).

**Contaminated packaging:** Empty containers should be taken for local recycling or waste disposal.

**Classification for ROAD and Rail transport (ADR/RID):**

**Classification for SEA transport (IMO-IMDG):**

Not regulated (Not dangerous for transport)

**Classification for AIR transport (IATA/ICAO):**

Not regulated (Not dangerous for transport)

*Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations*

**US. Toxic Substances Control Act (TSCA)** All components of this product are in compliance with the inventory listing requirements of the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

**Pennsylvania**

Any material listed as "Not Hazardous" in the CAS REG NO. column of SECTION 2, Composition/Information On Ingredients, of this MSDS is a trade secret under the provisions of the Pennsylvania Worker and Community Right-to-Know Act.

**Legend**

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