

# MATERIAL SAFETY DATA SHEET

24HR. EMERGENCY PHONE # CHEM-TREC 1-800-424-9300

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## SECTION 1 Product Identification

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**CHEMICAL NAME:** Zinc selenide  
**CAS#:** 1315-09-9  
**FORMULA:** ZnSe  
**SYNONYM:** none

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## SECTION 2 Composition and Information on Ingredients

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INGREDIENT:	CAS#	%	ACGIH (TWA)	OSHA (PEL)
Title Compound	1315-09-9	100	0.2mg/m <sup>3</sup> (as Se)	0.2mg/m <sup>3</sup> (as Se)

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## SECTION 3 Hazards Identification

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**EMERGENCY OVERVIEW:** Dust may be irritating to skin, eyes and mucous membranes. May be harmful if swallowed. Reaction with mineral acids releases toxic hydrogen selenide fumes.

**PRIMARY ROUTES OF EXPOSURE:** Ingestion, inhalation

**EYE CONTACT:** May cause slight to mild irritation of the eyes.

**SKIN CONTACT:** May cause slight to mild irritation of the skin.

**INHALATION:** Some zinc containing dusts irritate the respiratory system and cause metallic taste, dry throat, and chills.

**INGESTION:** If solubilized, Zinc compounds give a harsh metallic taste and may cause nausea and vomiting.

**CHRONIC HEALTH EFFECTS:** No serious long-term chronic effects associated with zinc compounds. Prolonged inhalation may cause laryngitis. Prolonged ingestion may cause constipation.

**ACUTE HEALTH EFFECTS:** May be irritating to skin, eyes and respiratory tract. Inhalation and ingestion may cause chills, nausea vomiting, bloody diarrhea and weakness.

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## SECTION 4 First Aid Measures

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**EYE EXPOSURE:** Immediately flush the eyes with copious amounts of water for at least 15 minutes. Assure flushing under eyelids. A victim may need assistance in keeping their eyelids open. Get immediate competent medical attention.

**SKIN EXPOSURE:** Wash affected area with water. Remove contaminated clothes if necessary. Seek medical assistance if irritation persists.

**INHALATION:** Remove the victim to fresh air. Closely monitor the victim for signs of respiratory problems, such as difficulty in breathing, coughing, wheezing, or pain. In such cases seek immediate medical assistance.

**INGESTION:** Seek medical assistance immediately. Keep the victim calm. Give the victim water (only if conscious). Induce vomiting only if directed by medical personnel.