

# Material Safety Data Sheet

## LEAD INSPECTOR Lead Test Kit

### Section 1. Product and Company Identification

Product Name: INDICATOR SOLUTION: <5% Sodium Sulfide, hydrated, >95% water.

Manufacturer: Abotex Enterprises Limited

P.O. Box 610421, Port Huron, MI 48061-0421 U.S.A.

P.O. Box 873, Grand Bend, Ontario Canada N8R 1S7

Effective Date: Jan. 7, 2008

For More Information Call In Case of Emergency

Call 800-268-5323 24 hr. Hotline

Synonym SODIUM MONOSULFIDE

Material Uses Analytical reagent in Lead Test Kit.

Chemical Family Aqueous Inorganic salt.

### Section 2. Composition and Information on Ingredients

Component CAS # % by Weight

SODIUM SULFIDE 1313-84-4 100

### Section 3. Hazards Identification

Physical State and Appearance Solid. Clear Liquid.

May cause eye and skin irritation.

May be harmful if swallowed.

Routes of Entry Inhalation. Ingestion.

Potential Acute Health Effects

Eyes Hazardous in case of eye contact (irritant). May cause eye burns.

Skin Hazardous in case of skin contact (irritant). Skin contact can produce irritation.

Inhalation irritating to respiratory system. Use in a well-ventilated area, if possible.

Ingestion hazardous in case of ingestion.

Potential Chronic Health Effects

Carcinogenic Effects This material is not known to cause cancer in animals or humans.

Additional information See Toxicological Information (section 11)

Medical Conditions Aggravated by Overexposure:

-Repeated exposure of the eyes can produce eye irritation.

-Repeated skin exposure can produce local skin irritation.

-Repeated inhalation can produce respiratory irritation. Use outdoors or in ventilated fume hood, if possible. if not

possible, use in a well ventilated area; open window for fresh air.

### Section 4. First Aid Measures

Eye Contact: Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention immediately.

**Skin Contact:** In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse.

**Inhalation:** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

**Ingestion:** If swallowed, do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.

#### **Section 5. Fire Fighting Measures**

Flammability of the Product may be combustible at high temperature.

Auto-ignition Temperature Not available.

Flash Points Not available.

Flammable Limits Not available.

Products of Combustion Some metallic oxides.

Fire Hazards in Presence of Various Substances Not available.

Explosion Hazards in Presence of Various Substances Risks of explosion of the product in presence of static discharge: No.

Risks of explosion of the product in presence of mechanical impact: No.

Fire Fighting Media and Instructions **SMALL FIRE:** Use **DRY** chemical powder.

**LARGE FIRE:** Use water spray, fog or foam. Do not use water jet.

Protective Clothing (Fire) Be sure to use an approved/certified respirator or equivalent.

Special Remarks on Fire Hazards Not available.

Special Remarks on Explosion Hazards Not available.

#### **Section 6. Accidental Release Measures**

Small Spill and Leak - clean area with plenty of water. No specific spill kit required for this product.

#### **Section 7. Handling and Storage**

Handling: Do not ingest. Do not get in eyes, on skin, or on clothing.

Storage: Keep container in a cool, well-ventilated area, fridge or freezer.

#### **Section 8. Exposure Controls/Personal Protection**

Engineering Controls - Use process enclosures or local exhaust ventilation.

Personal Protection

Eyes - Splash goggles.

Body - Synthetic apron.

Feet - Not applicable.

Protective Clothing

Product Name Exposure Limits **SODIUM SULFIDE** Not available.

#### **Section 9. Physical and Chemical Properties**

Odor. Characteristic 'rotten egg' odor.

Color. Clear - slightly yellow liquid  
Physical State and Appearance: liquid  
Molecular Weight 240.22 g/mole  
Molecular Formula  $\text{Na}_2\text{S} \cdot 9\text{H}_2\text{O}$   
pH - 11.5  
Boiling/Condensation Point Not available.  
Melting/Freezing Point Not available.  
Specific Gravity Not available.  
Vapor Pressure Not available.  
Vapor Density Not available.  
Odor Threshold Not available.  
Evaporation Rate Not available.  
Log Kow Not available.  
Solubility. Not available

### **Section 10.** Stability and Reactivity

Stability and Reactivity The product is stable.  
Conditions of Instability Not available.  
Incompatibility with Various Substances Reactive with oxidizing agents, metals, acids.  
Rem/Incompatibility Evolves hydrogen sulfide gas on contact with acids.  
Hazardous Decomposition Products nitrogen oxides (NO, NO<sub>2</sub>...)  
Hazardous Polymerization Will not occur.

### **Section 11.** Toxicological Information

RTECS Number:  
Sodium Sulfide GR WE1925000  
Toxicity LD50: Not available.  
LC50: Not available.  
Chronic Effects on Humans Not available.  
Acute Effects on Humans: eye contact (irritant). skin contact (irritant). Skin contact (irritant).  
ingestion may cause  
irritation.  
Synergetic Products (Toxicologically) Not available.  
Irritancy Draize Test: Not available.  
Sensitization Not available.  
Carcinogenic Effects This material is not known to cause cancer in animals or humans.  
Toxicity to Reproductive System Not available.  
Teratogenic Effects Not available.  
Mutagenic Effects Not available.

### **Section 12.** Ecological Information

Ecotoxicity Not available.  
BOD<sub>5</sub> and COD Not available.  
Toxicity of the Products of Biodegradation The products of degradation are less toxic than the product itself.

**Section 13. Disposal Considerations**

EPA Waste Number D003

Treatment Specified Technology - Contact your local permitted waste disposal site (TSD) for permissible treatment sites. Always contact a permitted waste disposal (TSD) to assure compliance with all current local, state, and Federal Regulations.

**Section 14. Transport Information**

DOT Classification Proper Shipping Name: SODIUM SULFIDE

HS Tariff Classification number: 283010

**Section 15. Regulatory Information**

U.S. Federal Regulations TSCA 8(b) inventory: SODIUM SULFIDE

SARA 302/304/311/312 extremely hazardous substances: No products were found.

SARA 302/304 emergency planning and notification: No products were found.

SARA 313 toxic chemical notification and release reporting: No products were found.

Clean Water Act (CWA) 307: No products were found.

Clean Water Act (CWA) 311: No products were found.

Clean air act (CAA) 112 accidental release prevention: No products were found.

Clean air act (CAA) 112 regulated flammable substances: No products were found.

Clean air act (CAA) 112 regulated toxic substances: No products were found.

No products were found.

This product has been classified in accordance with the hazard criteria of the Controlled Product Regulations and the MSDS contains all required information.

International Regulations EINECS Not available.

International Lists Australia (NICNAS): SODIUM SULFIDE

Philippines (RA6969): SODIUM SULFIDE

China: No products were found.

State Regulations No products were found.

California prop. 65: No products were found.

**Section 16. Other Information**

National Fire Protection Association (U.S.A.)

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