

SAFETY DATA SHEET

1. Identification

Product Name ABOTEX Lead Inspector© INDICATOR SOLUTION (ie.. Solution)

CAS-No. : 1313-84-4

Recommended Use: Home DIY testing for lead.

Details of the supplier of the safety data sheet

Company Information

Abotex Enterprises LLC
PO Box 211
Waynesville, OH 45068
Tel: 513.897.7300

Emergency Telephone Number

American Association of Poison Control Centers USA	1-800-222-1222
Abotex Enterprises LLC USA	1-513-897-7300

2. Hazard(s) identification

Classification

Skin Corrosion/irritation	Category 2
Serious Eye Damage/Eye irritation	Category 1
Corrosive to metals	Category 1

Label Elements

Signal Word Danger

Hazard Statements

May be corrosive to metals
Causes severe skin irritation and eye damage
Harmful if swallowed
Toxic in contact with skin

Precautionary Statements

Prevention

Wash face, hands and any exposed skin thoroughly after handling
Do not eat, drink or smoke when using this product

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Do not breathe dust/fume/gas/mist/vapors/spray
Use only outdoors or in a well-ventilated area
Keep only in original container

Inhalation

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Skin

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Wash with water/soap.
Wash contaminated clothing before reuse

Eyes

IF IN EYES: Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing

Ingestion

Rinse mouth with water. Call a physician or Poison Control Center immediately. Do NOT induce vomiting, drink 2-3 glasses of water if possible.

Spills

Absorb spillage to prevent any damage. Avoid contact with skin during clean up.

Storage

Store with cap tightly closed in cool dry place not accessible by children.

3. Composition/Information on Ingredients

<u>Component</u>	<u>CAS-No</u>	<u>Weight %</u>
Sodium sulfide, nonahydrate	1313-84-4	7

4. First-aid measures

General Advice See Section 2.

Notes to Physician Treat symptomatically.

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5. Fire-fighting measures

Suitable Extinguishing Media CO 2, dry chemical, dry sand, alcohol-resistant foam.

Unsuitable Extinguishing Media Water

Flash Point No information available

Method - No information available

Autoignition Temperature

Explosion Limits

Upper No data available

Lower No data available

Sensitivity to Mechanical Impact No information available

Sensitivity to Static Discharge No information available

Specific Hazards Arising from the Chemical

The product causes burns of eyes and skin.

6. Accidental release measures

Personal Precautions during cleanup

Use personal protective equipment.

Ensure adequate ventilation.

Keep people away from spill/leak.

Methods for Containment and Clean Up

Clean area using disposable material with plenty of water to dilute solution. After initial spill is cleaned up, repeat the process using water and soap to thoroughly clean area again.

Dispose of cleanup materials by disposing them in outside trash container.

7. Handling and storage

Handling Use only in well ventilated area.
Do not get in eyes, on skin, or on clothing.
Do not ingest. Do not breathe vapors/dust.

Storage Keep container tightly closed in a dry and cool place. Can be refrigerated.

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8. Exposure controls / personal protection

Exposure Guidelines	This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.
Engineering Measures	Use only under a chemical fume hood. Ensure that eyewash stations and safety showers are close to the workstation location.
Skin and body protection	Long sleeved protective clothing. Eyes - Splash goggles. Body - Synthetic apron. Feet - Not applicable.

9. Physical and chemical properties

Physical State	Solid
Appearance	Light yellow
Odor	Characteristic “rotten egg”
Odor Threshold	No information available
pH	> 12
Melting Point/Range	50 °C / 122 °F
Boiling Point/Range	No information available
Flash Point	No information available
Evaporation Rate	Not applicable
Flammability (solid,gas)	No information available
Flammability or explosive limits	
Upper	No data available

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Lower	No data available
Vapor Pressure	No information available
Vapor Density	Not applicable
Specific Gravity	No information available
Solubility	Soluble in water
Partition coefficient; n-octanol/water	No data available
Autoignition Temperature	
Decomposition Temp	No information available
Viscosity	Not applicable
Molecular Formula	Na ₂ S . 9 H ₂ O
Molecular Weight	240.18

10. Stability and reactivity

Reactive Hazard	Yes
Stability	Light, Moisture, and Air sensitive.
Conditions to Avoid	Incompatible products. Excess heat. Protect from light. Protect from moisture.
Incompatible Materials	Acids, Oxidizing agents, Water
Hazardous Decomposition Products	Sulfur oxides, Sulfides
Hazardous Polymerization	Hazardous polymerization does not occur.
Hazardous Reactions	None under normal processing.

11. Toxicological information

Acute Toxicity

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Component Information

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
Sodium Sulfide	LD50 = 208 mg/kg (Rat)	< 340 mg/kg (Rabbit)	Not listed

Toxicologically Synergistic Products No information available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Irritation Causes burns by all exposure routes

Sensitization No information available

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.

Component	CAS-NO	IARC	NTP	ACGIH	OSHA	MEXICO
Sodium Sulfide nonahydrate	1313-84-4	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed

Mutagenic Effects No information available

Reproductive Effects No information available.

Developmental Effects No information available.

Teratogenicity No information available.

STOT - single exposure None known

STOT - repeated exposure None known

Aspiration hazard No information available

Symptoms / effects, both acute and delayed

Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible perforation of stomach or esophagus should be investigated: Ingestion causes severe swelling, severe damage to the delicate tissue and danger of perforation.

Endocrine Disruptor Information No information available

Other Adverse Effects The toxicological properties have not been fully investigated.

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12. Ecological information

Ecotoxicity

Very toxic to aquatic organisms. The product contains following substances which are hazardous for the environment.

Component	Freshwater Algae	Freshwater Fish	Microtox	Water Flea
Sodium sulfide, nonahydrate	Not listed	Not listed	EC50 = 4.29 mg/L 15 min	Not listed

Persistence and Degradability Soluble in water Persistence is unlikely based on information available.

Bioaccumulation/ Accumulation No information available.

Mobility Will likely be mobile in the environment due to its water solubility.

13. Disposal considerations

Waste Disposal Methods Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

14. Transport information

DOT

UN-No UN 1849
Proper shipping name SODIUM SULFIDE 7% SOLUTION
Transport hazard class 8
Packing group III

TDG

UN-No UN 1849

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Proper shipping name SODIUM SULFIDE 7% SOLUTION
Transport hazard class 8
Packing group III

NOM

UN-No UN 1849
Proper shipping name SODIUM SULFIDE 7% SOLUTION
Transport hazard class 8
Packing group III

15. Regulatory information

U.S. Federal Regulations

TSCA 8(b) inventory: SODIUM SULFIDE
SARA 311/312 Not applicable
SARA 313 Not applicable
Clean Water Act Not applicable
Clean air act Not applicable
State Regulations Not applicable
California prop. 65: No products were found.

16. Other information

Revision Information

<u>Document Type</u>	<u>Date</u>	<u>Revision Type</u>
Original MSDS	July 1, 2014	
Rev 1.1	December 5, 2014	Misc spelling corrections
Rev 1.2	May 22, 2018	Abotex phone number changed to 513.897.7300
Rev 1.3	July 3, 2018	Added kit name
Rev 2.0	January 7, 2019	Revised MSDS to SDS format

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Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of SDS