



## Safety Data Sheet (SDS)

Revision / Review Date: 1/8/16

### 1. Chemical Product and Company Identification

Product Name:	ZDTP-70
Distributed By:	HB Chemical 1665 Enterprise Parkway Twinsburg Oh 44087 Phone - 330-920-8023
SDS Prepared By (w Suppliers Input):	HB Chemical
Chemical Name / Family:	Zinc dialkyldithiophosphate
Product Use:	Accelerant
OSHA Status:	Not hazardous
CAS No:	68649-42-3, 10279-57-9

For emergency health, safety, and environmental information, calls 330-920-8023  
For emergency transportation information, in the United States: call CHEMTREC at 800-424-9300

### 2. Hazard(s) Identification

<u>Signs and Symptoms of Exposure:</u>	Nausea, vomiting, coughing and difficulty breathing.
<u>Primary Routes of Entry:</u>	Inhalation, skin and eye contact.
<u>Medical Conditions Generally Aggravated by Exposure:</u>	None known.
<u>Emergency Overview:</u>	Harmful if inhaled or ingested. Causes respiratory tract irritation. Inhalation may cause nausea or dizziness. Causes skin irritation. Causes eye irritation. Use cold water spray to cool fire-exposed containers to minimize the risk of rupture. Use water as fog or mist; solid streams may spread fire. Toxic gases/fumes are given off during burning or thermal decomposition.
<u>Eye Contact:</u>	Causes eye irritation. Eyes will become red and irritated with tearing and possible blistering
<u>Skin Contact:</u>	This product may cause skin irritation. May cause some redness of the affected area, with itching and swelling possible.
<u>Ingestion:</u>	cause gastrointestinal distress, accompanied by a burning sensation in the mouth, nausea, vomiting and diarrhea.
<u>Inhalation:</u>	Harmful if inhaled. Can cause respiratory tract irritations. May cause nausea or dizziness.
<u>HMIS Hazard Ratings:</u>	Health- 2,      Flammability - 1,      Reactivity - 0

HMIS limitation statement:

The HMIS hazard ratings numbers are meant to give a quick indication of the relative hazards associated with the product. All of the information contained in the SDS should be consulted to assist with the safe handling of this material.

**3. Composition / Information on Ingredients**

Weight Percent / Typical	Component Identity	CAS Registry Number
70%	Zinc alkyl dithiophosphate	68649-42-3
30%	Silica	10279-57-9

**4. First Aid Measures**

Eye: In case of contact, flush eyes with large quantities of water for at least 15 minutes. The eyelids should be held apart during irrigation to ensure thorough flushing of all eye tissue. Get medical attention.

Skin: Immediately remove contaminated clothing and shoes. In case of skin contact, wash affected areas with soap and water. Get medical attention if irritation develops or persists. Wash clothing and clean shoes before reuse.

Ingestion: If material is ingested, do not induce vomiting unless directed to do so by medical personnel. Give victim one or two glasses of water or milk. Never give anything by mouth to an unconscious person. Call a physician immediately. Should vomiting occur, keep patients head below hip level to prevent aspiration of fluid into the lungs.

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

**5. Fire-Fighting Measures**

Suitable Extinguishing Media: Water, Foam, dry powder, CO2

Special Fire Fighting Procedures: During a fire, irritating and toxic gases may be generated by thermal decomposition or combustion. Evacuate non-emergency personnel to a safe area. Full emergency equipment with self-contained breathing apparatus and full protective clothing should be worn by firefighters. Use cold water spray to cool fire exposed containers. A solid stream of water directed into the burning material could spread the fire. Hydrogen sulfide (H2S) formation is possible after prolonged heating.

Hazardous Combustion Products:

None Known.

## **6. Accidental Release Measures**

Steps to be taken in case material is spilled:

Do not allow spilled or released material to enter ground water, waste water or soil. Extinguish all ignition sources. Keep unnecessary personnel out of spill area. Emergency clean-up personnel should wear appropriate protection when entering the spill area for clean-up. Notify local health authorities and other appropriate agencies if such contamination should occur. Cover the spill with absorbent material such as sand, sweeping corn pound or diatomaceous earth. Scoop up solid absorbent for waste disposal. Spill area can be washed with water.

Environmental Disposal Information:

Accord with locality environmentalist law. Avoid waterways.

## **7. Handling and Storage:**

Precautions to be taken in handling:

Keep away from heat, sparks and flames. Store in a dry place away from excessive heat. Keep container tightly closed when not in use. Avoid contact with skin or clothing. Avoid breathing dusts, vapors or mists. All handling equipment should be properly grounded to prevent the build-up of electrostatic charges. Handle in accordance with good industrial hygiene and safety practices.

Storage:

Store in a cool, dry, ventilated area. Keep containers closed when not in use. Do not store near extreme heat, open flame, or sources of ignition.

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

Respiratory Protection:

Under conditions of frequent use or heavy exposure, A NIOSH/MSHA respirator is recommended.

Ventilation:

Use local exhaust ventilation if dusting or misting is a problem, to maintain air levels below the recommended exposure limit. Ventilation equipment should be explosion-proof if explosive concentrations of dust, vapor or fume are present

Hand Protection:

Permeation resistant gloves

Eye Protection:

Wear safety glasses or chemical goggle.

Skin and Body Protection:

To prevent repeated or prolonged skin contact, wear impervious clothing.

Other Precautions:

Emergency showers and eye wash stations should be available. Employees should wash their hands and face before eating,

drinking, or using tobacco products. Educate and train employees on the safe use and handling of this product.

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

<u>Physical Form:</u>	Solid-Powder
<u>Appearance &amp; Odor:</u>	White
<u>Specific Gravity:</u>	Not available
<u>Softening Point, R&amp;B:</u>	Not available
<u>Solubility in Water:</u>	Not available
<u>pH:</u>	>5.0
<u>Zn%:</u>	6.3-7.7
<u>Flash Point, TAG CC F:</u>	302F
<u>Percent Volatiles (by weight):</u>	Not available
<u>Evaporation Rate (Water ~ I):</u>	Not available
<u>Vapor Pressure (mm Hg):</u>	Not available
<u>Vapor Density (Air ~ I):</u>	Not available
<u>Boiling Point (°F) Initial:</u>	Not available
<u>Auto ignition Temperature, °C:</u>	Not available
<u>Flammable Limits, %(V):</u>	Not available
<u>Density:</u>	(25°C,g/cm3) 1.20

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

<u>Stability:</u>	This product is stable under normal conditions.
<u>Stability&amp; reactive:</u>	No stability& hazard reactive in the course of nature use.
<u>Incompatibility (Materials to Avoid):</u>	Oxidant, acid, alkali.
<u>Conditions to Avoid:</u>	Avoid extreme heat.
<u>Hazardous Polymerization:</u>	Hazardous polymerization will not occur

### **11. Toxicological Information**

This material is not listed as a carcinogen or potential carcinogen by NTP, IARC, or OSHA.

## 12. Ecological Information

This material has not been evaluated for environmental effects.

## 13. Disposal Considerations

Reclaim or Dispose of material in accordance with all applicable local, state, and federal regulations.

## 14. Transport Information

D.O.T. Shipping Name: Not regulated

Air - ICAO (International Civil Aviation Organization): Not regulated

Sea - IMDG (International Maritime Dangerous Goods): Not regulated

## 15. Regulatory Information

All components of this material are on the TSCA Inventory.

All components of this material are on the Canadian DSL.

SARA Section 302 Extremely Hazardous Substances: None.

SARA Section 311/312 Hazard Categories: Immediate Health Hazard

### **Foreign Chemical Inventory List(s)**

EINECS (Europe): Listed

DSL (Canada): Listed

AICS (Australia): Listed

MOE (Korea): Listed

PICCS (Philippines): Listed

## 16. Other Information

The above information has been compiled from what we believe to be credible sources. To our knowledge the information is accurate and reliable, however, it is not guaranteed. Any recommendations issued by HB Chemical personnel or literature is derived from experience and by no means should be taken as fact or construed as a recommendation to violate of any law, regulation or patent. It is the users responsibility to determine the suitability of any HB supplied material in their application. The individual conditions of each customer are well outside of our control and we cannot be held liable for its functionality and use. Please contact our office should you need specific information beyond what is supplied above. As with all Chemical usage safety precautions beyond the stated are highly recommended.