# PRODUCT AND COMPANY IDENTIFICATION

**Manufacturer**
Davis Mfg. & Pkg., Inc.
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## 2 HAZARDS IDENTIFICATION

**Route of Entry:** Eyes; High; Skin; High; Inhalation; Moderate; Ingestion; High

**Target Organs:** Digestive tract; Eyes; Respiratory system; Skin;

**Inhalation:** Symptoms are those of hydrogen sulfide (H2S). Inhalation of H2S is irritating to the respiratory tract. If respiratory irritation or any signs or symptoms described in this bulletin occur, move the person to fresh air. If these effects continue, see a medical doctor immediately.

**Skin Contact:** Corrosive to skin. Chemically burned skin as from calcium hydroxide (lye), may produce systemic toxicity by skin absorption.

**Eye Contact:** May cause irreversible eye damage. Chemically burned eye tissue as from calcium hydroxide (lye), may produce severe membrane irritation with corneal damage.

**Ingestion:** May be fatal if swallowed. This material decomposes in the digestive tract to release sulfur and hydrogen sulfide (H2S). Signs and symptoms of toxicity may include headache, nausea, vomiting, drowsiness, amnesia, tremors, depressed respiration, convulsions, cyanosis and possibly death due to respiratory paralysis. Severe irritation of the digestive tract may also occur.

**HMIS II-ratings (scale 0-4):** Health = 2, Fire = 0, Reactivity = 0

**HMIS® Rating H2/F0/PH**

**CAUTION:** MUST BE DILUTED before use. Use extreme care when handling undiluted product. Keep out of reach of children.

Skin irritation may be aggravated in individuals with existing skin lesions. Breathing of H2S may aggravate acute or chronic asthma and chronic pulmonary disease such as emphysema and bronchitis.
COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

<table>
<thead>
<tr>
<th>Cas #</th>
<th>Perc.</th>
<th>Chemical Name</th>
</tr>
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<tbody>
<tr>
<td>1344816</td>
<td>29 %</td>
<td>Calcium polysulfide</td>
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FIRST AID MEASURES

Inhalation: Remove to fresh air. If not breathing, administer cardiopulmonary resuscitation or artificial respiration. If breathing is difficult or irritation occurs, GET MEDICAL ATTENTION.

Skin Contact: Wash all affected areas with plenty of soap and water while under a safety shower for at least 15 minutes, while removing contaminated clothing and shoes. Do not attempt to neutralize with chemical agents. SEEK MEDICAL ATTENTION IMMEDIATELY. Discard any contaminated clothing and shoes.

Eye Contact: In case of eye contact, immediately flush eyes with plenty of water for at least 15 minutes using an eyewash fountain, if available. Lift upper and lower lids and rinse under them with copious amounts of water. GET MEDICAL ATTENTION IMMEDIATELY.

Ingestion: Promptly drink a large quantity of milk, egg white or gelatin solution or if these are not available, large quantities of water. GET IMMEDIATE MEDICAL ATTENTION. DO NOT INDUCE VOMITING. (See Note To Physician below).

Notes To Physician: Probable mucosal damage may contraindicate gastric lavage. For severe hydrogen sulfide poisoning, successful treatment has involved initial inhalation of amyl nitrite pearls for 15 to 30 seconds of each minute until 10 mls of a 3% solution of sodium nitrite can be administered intravenously at 2.5 to 5 mls per minute. The nitrate-induced methemoglobin is thought to bind the toxic hydro-sulfide ion.

FIRE FIGHTING MEASURES

Flash Point: N/A
Flash Point Method: N/A
Flammability Classification: Not Flammable

Fight the surrounding fire Extinguishing Media: Carbon Dioxide, Dry Chemical or Foam

Smoke from fires may present unusual hazards, avoid breathing smoke.

Persons who have been exposed to contaminated smoke should be checked for symptoms of poisoning. These should not be mistaken for heat ex-haustion or smoke inhalation.

ACCIDENTAL RELEASE MEASURES

Avoid contact with eyes.

Do not discharge into drains. DO NOT USE ACIDIC CLEANING MATERIALS. Cover spill with generous amount of absorbent such as clay or loam soil. Use a stiff broom to mix thoroughly. Sweep up and place in a disposable container. Scrub contaminated area with detergent soap and water, using a stiff broom.

HANDLING AND STORAGE

Handling Precautions: Avoid contact with eyes, skin, or clothing. Keep material out of reach of children. Avoid prolonged or repeated exposure to vapors. For external use only. When used on animals, do not allow animal to lick. A protective collar may be used until dry to prevent ingestion.
Lime Sulfur Dip

Storage Requirements:
- Do not towel dry or use blower to dry animal.
- Keep away from children. Store in cool/dry area. Store in original, closed container.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Sufficient local or mechanical ventilation to maintain lowered vapor concentration.
Protective Equipment: HMIS PP, F | Goggles, Gloves, Apron, Dust/Mist Respirator
- Use positive pressure self-contained breathing apparatus for fire or other emergency or other conditions requiring a higher level of protection.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Deep red/orange liquid
Physical State: Liquid
Odor: Pungent odor of rotten eggs.
PH: 11.5 - 11.8
Vapor Pressure: N/D
Vapor Density: N/D
Boiling Point: Not Determined
Freezing/Melting Pt.: N/D
Solubility: Soluble
Spec Grav./Density: SG = 1.273 @ 20 C

10 STABILITY AND REACTIVITY

Stability: Stable to boiling point, will lose water above this temperature.
Conditions to avoid: Elevated temperatures can cause container to burst.
Materials to avoid (incompatibility): Avoid contact with acids; Hydrogen sulfide gas will be generated, dangerous to inhale. Explosive at critical concentration.
Hazardous Decomposition products: Normal combustion products are carbon dioxide and water vapor. Decomposition may also produce oxides of sulfur. Incomplete combustion or thermal decomposition can produce carbon monoxide, oxhydrocarbon derivatives and sulfur derivatives including hydrogen sulfide.
Hazardous Polymerization: Will not occur.

11 TOXICOLOGICAL INFORMATION

Chemical Name(s) ACGIH(TLV) OSHA (TWA)
Calcium Polysulfide None None
Carcinogenicity: None determined

12 ECOLOGICAL INFORMATION

This product is strongly alkaline. Keep undiluted product from entering rivers, lakes and streams.
This product may be harmful to aquatic fish and plant life.
13 DISPOSAL CONSIDERATIONS
Dispose of in accordance with prevailing local, state and federal regulations.

14 TRANSPORT INFORMATION
DOT Class: Not regulated #
This material is not regulated as a hazardous material by the DOT.

15 REGULATORY INFORMATION
This product is listed on TSCA Inventory.
SARA Title III Section 313 Toxic Chemicals Not listed
RCRA Hazardous Waste: Not Listed

16 OTHER INFORMATION
BE SAFE: READ OUR PRODUCT SAFETY INFORMATION AND PASS IT ON.
Product liability law requires it. The information provided in this Material Safety Data Sheet has been obtained from current sources believed to be reliable. The manufacturer provides no warranties, either express or implied, and assumes no responsibility for the accuracy or completeness of the data contained herein. This information is offered for your information, consideration and investigation. You should satisfy yourself that you have all current data relevant to your particular use.

END OF MSDS DOCUMENT