



MPT® ZDDP Zinc Additive

Part number MPT323

Safety Data Sheet

## **SECTION 1: Identification of substance/mixture and of the company/undertaking**

### 1.1 Product Identifier

Product name: MPT® ZDDP Zinc Additive

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of substance/mixture: Motor and Gear Oil Additive

### 1.3 Details of the supplier of the safety data sheet

MPT Industries

6-B Hamilton Business Park

85 Franklin Road

Dover NJ 07801

Phone: 973-989-9220

Fax: 973-989-9234

### 1.4 Emergency Telephone Number

Emergency number: MPT Industries, 800-351-0605

## **SECTION 2: Hazards Identification**

### 2.1. Classification of the substance or the mixture

GHS-US classification

HMIS Hazard ID: Health 1, Flammability 1, Reactivity 0

See Section 16 For Additional Information

### 2.2. Label elements

GHS-US labelling

Hazard pictograms (GHS-US)



Signal word (GHS-US): Danger

Hazard statements (GHS-US): H227 -- Combustible liquid

H372 - Causes damage to organs (respiratory system/digestive system) through prolonged or repeated exposure

Precautionary statements (GHS-US) : P210 – Keep away from heat, hot surfaces, sparks or open flame.

P260 - Do not breathe dust, fume, mist, spray, gas, vapors

P264 - Wash hands, forearms and face thoroughly after handling

P270 - Do not eat, drink or smoke when using this product

P280 - Wear eye protection, face shield, protective clothing, protective gloves

P314 - Get medical advice/attention if you feel unwell

P370+P378 - In case of fire: Use extinguishing powder, foam, carbon dioxide (CO<sub>2</sub>) to extinguish

P403+P235 - Store in a well-ventilated place. Keep cool

P501 - Dispose of contents/container to an approved waste disposal plant, an authorized waste collection point

#### 2.1 Health hazards:

Primary routes of entry include inhalation, ingestion, and skin contact.

Prolonged exposure may irritate the skin.

Medical conditions to avoid:

Eye contact: Wash with water repeatedly.

Skin contact: Wipe clean and wash thoroughly with soap and water.

Ingestion: Do not induce vomiting. Call a physician.

Inhalation: Expose to fresh air.

### **SECTION 3: Composition/information on ingredients**

Substance/Mixture:

Zinc Diakyl Dithiophosphate  
CAS No. Proprietary Trade Secret  
Weight %: 60-90

Distillates, Petroleum  
CAS No. 64742-77-8  
Weight %: 10-40

#### **Section 4: First aid measures**

##### 4.1 Description of first aid measures

Skin contact: Prolonged exposure may cause skin irritation. Wash exposed area thoroughly.

Eye Contact: Immediately flush eyes with plenty of water. Remove contact lenses.

Inhalation: Seek fresh air.

Ingestion: Do not induce vomiting. Contact a physician.

#### **Section 5: Firefighting measures:**

##### 5.1 Extinguishing media

Water, dry chemical or foam. A dry chemical is preferred for temperatures above 220°F.

##### 5.2 Special hazardous arising from the substance or mixture

Avoid direct flame or excessive heat. Will combust at high temperatures.

##### 5.3 Advice for firefighters

Flashpoint: 175°C

Auto Ignition Temperature: >300°C

#### **Section 6: Accidental release measures**

##### 6.1 Personal precautions, protective equipment, and emergency procedures

Use personal protection recommended in section 8. Deny entry to the area to unprotected personnel.

##### 6.2 Methods and materials for containment and cleaning up

Absorb release with inert material and transfer to closed containers. Caution: footing can become difficult with slippery areas.

#### **Section: 7 Handling and storage**

### 7.1 Precautions for safe handling and storage

Avoid frequent or prolonged inhalation of fumes/vapors or contact with skin.

### 7.2 Conditions for safe storage, including any incompatibilities

Avoid excessive heat or direct flame. Store in closed containers. Keep out of reach of children.

## **Section 8: Exposure controls/personal protection**

### 8.1 Control parameters

Use good housekeeping procedures.

### 8.2 Exposure controls

Wear chemically resistant gloves to avoid skin exposure and goggles for eye protection. Wear appropriate respiratory mask. Provide adequate ventilation, fresh air. Use mechanical means if needed. No smoking.

## **Section 9: Physical and chemical properties**

### 9.1 Information on basic physical and chemical properties

Physical state: Liquid at room temperature

Appearance: Blue color

Odor: Strong

Solubility: less than 0.01

Melting point: N/A

Vapor density: N/A

Flashpoint: 175°C

Auto Ignition Temperature: >300°C

## **Section 10: Stability and reactivity**

### 10.1 Reactivity

No dangerous reaction known under normal conditions.

### 10.2 Chemical Stability

May form flammable vapor/air mixture. None established.

Avoid high heat, direct sunlight, or direct flame/temperatures above 140°F.

### 10.3 Possibility of hazardous reactions: N/A

#### 10.4 Conditions to avoid

Strong Oxidizers

#### 10.5 Incompatible materials

Avoid strong oxidizing agents such as liquid chlorine or concentrated oxygen.

#### 10.6 Hazardous decomposition products

Hydrogen Sulfide

### **Section 11: Toxicological information**

#### 11.1 Information on toxicological effects

Respiratory or skin sensation: Vapor, mist or fumes may cause skin, eye, throat, nose and lung irritation.

Inhalation Toxicity: LC50 > 5mg/l – minimally toxic

Skin Toxicity: LD50 > 2000mg/kg – minimally toxic

Carcinogenicity: Not classified

Reproductive toxicity: Not classified

**DANGER:** Hazardous decomposition can occur when overheating causing the release of hydrogen sulfide which can result in a rapid respiratory collapse, coma or death without apparent warning.

### **Section 12: Ecological information**

#### 12.1 Toxicity

May cause adverse effects in waterways to aquatic life. Material has low solubility. Will float in water and move toward land.

### **Section 13: Disposal considerations**

Dispose of in accordance with local, state provincial and federal regulations.

### **Section 14: Transport information**

Not regulated.

### **Section 15: Regulatory information**

#### 15.1 U.S. Federal regulations

OSHA Hazard Communication Standard: Material is classified as hazardous when used for its intended purpose in accordance with OSHA 29CFR 1910.1200.

National Chemical Inventory Listing: DSL, EINECS, TSCA

**Section 16: Other information**

**Caution:** Avoid skin contact. Wash skin thoroughly after use. If irritation occurs and persists, contact a physician.

For eye exposure, flush with water for 15 minutes. If medical assistance is not available, flush for an additional 15 minutes.

Do not heat above recommended temperature of 140°F or 60°C. Hazardous decomposition can occur.

Firefighting: Extinguish with foam, dry chemical or carbon dioxide or water fog.

Prevent spills and leaks. Absorb and dispose of material in accordance with local laws. Prevent material from entering waterways.

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