



**Name:** Blue Chip Hydraulic AW 32, 46, 68  
**Revision Date:** 11/4/2023 – R1

A&M Industrial  
322 Half Acre Road  
Cranbury, NJ 08512

## SECTION 1: PRODUCT AND COMPANY INFORMATION

**Product Name:** Hydraulic AW 32, Hydraulic AW 46, Hydraulic AW 68

**Supplier:** A&M Industrial  
322 Half Acre Road  
Cranbury, NJ 08512

**Telephone:** (800) 864-2660  
**Fax:** (732) 574-2081  
**Email:** sales@am-ind.com

**In case of Emergency:** CHEMTREC  
800-424-9300

### Product Identifier

**Product Form** Mixture

**Product Grades** ISO 32, ISO 46, ISO 68

**Product Codes** See section 16

**Synonyms** Hydraulic Fluid

**Intended use of Product** Hydraulic Fluid

## SECTION 2: HAZARD IDENTIFICATION

### GHS Classification

Not Classified  
Full text of H-phrases: see section 16

### GHS Label

Hazard pictogram None Required

Signal word Not Hazardous

Hazard Statement None Required

### Precautionary statements

Prevention P273 - Avoid release to the environment.

Disposal P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations.

### Other hazards

The mixture consists of substances capable of producing an aspiration hazard. Aspiration may result in chemical pneumonia (fluid in the lungs), severe lung damage, respiratory failure, and even death.

### Unknown Acute Toxicity (GHS-US)

9.73 percent of the mixture consists of ingredient(s) of unknown acute toxicity.

### SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

**Substances:** Not Applicable  
**Description:** Mixture

Components/Ingredients	CAS No.	% (w/w)	Classification (GHS-US)
Petroleum distillates, solvent dewaxed	64742-65-0	75.75 – 95, 64 – 85	Not Classified
heavy paraffinic, Distillates, petroleum, hydrotreated heavy paraffinic	64742-54-7	0 – 11, 10 - 17	Not Classified
Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts	68649-42-3	0.7 - 2.7	Aquatic Chronic 3, H402

\*The specific chemical identity and/or exact percentage of composition have been withheld as a trade secret within the meaning of the OSHA Hazard Communication Standard [29 CFR 1910.1200].

\*More than one of the ranges of concentration prescribed by Controlled Products Regulations has been used where necessary, due to varying composition.

Full text of H-phrases: see section 16

### SECTION 4: FIRST AID MEASURES

#### Description of first aid measures

- General** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label if possible).
- Eye Contact** Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention.
- Skin Contact** Remove contaminated clothing. Drench affected area with water or soap and water for at least 15 minutes. Wash contaminated clothing before reuse. Obtain medical attention if irritation develops or persists.
- Ingestion** Do NOT induce vomiting. Rinse mouth. Immediately call a POISON CENTER or doctor/physician.
- Inhalation** Remove to fresh air and keep at rest in a position comfortable for breathing. Obtain medical attention if breathing difficulty persists.

#### Most important symptoms/effects, acute and delayed

- General** No known significant effects or critical hazards.
- Eye Contact** Direct contact with the eyes is likely irritating.
- Skin Contact** Repeated or prolonged skin contact may cause irritation.
- Ingestion** Ingestion is likely to be harmful or have adverse effects.
- Inhalation** Overexposure may be irritating to the respiratory system.



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**Chronic Symptoms** No known significant effects or critical hazards.

**Description of necessary first aid measures / specific treatments** If you feel unwell, seek medical advice (show the label where possible).

## SECTION 5: FIREFIGHTING MEASURES

### Extinguishing Media

**Suitable extinguishing agents** Use extinguishing media appropriate for surrounding fire.

**Unsuitable Extinguishing Media** Do not use a heavy water stream. Use of heavy stream of water may spread fire.

### Special Hazards Arising From the Substance or Mixture

**Fire Hazard** Not flammable but will support combustion.

**Explosion Hazard** Product is not explosive.

**Reactivity** Hazardous reactions will not occur under normal conditions.

### Special Fire Fighting Instructions

**Precautionary Measures Fire** Exercise caution when fighting any chemical fire. Under fire conditions, hazardous fumes will be present.

**Firefighting Instructions** Use water spray or fog for cooling exposed containers.

**Protection During Firefighting** Do not enter fire area without proper protective equipment, including respiratory protection.

**Hazardous Combustion Products** Under fire conditions, may produce fumes, smoke, oxides of carbon and hydrocarbons.

**Other Information** Refer to Section 9 for flammability properties.

**Reference to Other Sections** Refer to section 9 for flammability properties.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment & emergency procedures

**General Measures** Avoid all contact with skin, eyes, or clothing. Avoid breathing (vapor, mist, spray).

#### For Non-Emergency Personnel

**Protective Equipment** Use appropriate personal protection equipment (PPE).

**Emergency Procedures** Evacuate unnecessary personnel.

**For Emergency Personnel**

**Protective Equipment** Equip cleanup crew with proper protection.

**Emergency Procedures** Stop leak if safe to do so. Eliminate ignition sources. Ventilate area.

**Environmental precautions** Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

**Methods and materials for containment and cleaning up**

**For Containment** Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

**Methods for Cleaning Up** Clean up spills immediately and dispose of waste safely. Spills should be contained with mechanical barriers. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

**Reference to other sections** See Heading 8. Exposure controls and personal protection. For further information refer to section 13.

**SECTION 7: HANDLING AND STORAGE**

**Handling**

**Additional Hazards When Processed** Any proposed use of this product in elevated-temperature processes should be thoroughly evaluated to assure that safe operating conditions are established and maintained. Practice good housekeeping - spillage can be slippery on smooth surface either wet or dry.

**Hygiene Measures** Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

**Storage**

**Technical Measures** Comply with applicable regulations.

**Storage Conditions** Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.

**Incompatible Materials** Strong acids, strong bases, strong oxidizers.

**Specific end use(s)** Hydraulic Fluid.

## SECTION 8: EXPOSURE CONTROL AND PERSONAL PROTECTION

### Control parameters

For substances listed in section 3 that are not listed here, there are no established Exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), NIOSH (REL), OSHA (PEL), Canadian provincial governments, or the Mexican government.

### Exposure controls

#### Appropriate Engineering Controls

Ensure adequate ventilation, especially in confined areas. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure all national/local regulations are observed.

#### Personal protective equipment

Protective goggles. Gloves.

#### Materials for Protective Clothing

Chemically resistant materials and fabrics.

#### Eye / Face Protection



Chemical goggles or safety glasses.

#### Hand Protection



Wear chemically resistant protective gloves.

#### Skin and Body Protection

Wear suitable protective clothing.

#### Respiratory Protection

Use a NIOSH-approved respirator or self-contained breathing apparatus whenever exposure may exceed established Occupational Exposure Limits.

#### Environmental Exposure Controls

Do not allow the product to be released into the environment.

#### Consumer Exposure Controls

Do not eat, drink or smoke during use.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### Physical State

Liquid

### Appearance

Amber

### Odor

Slight Hydrocarbon

### Odor Threshold

Not available

### pH

Not available

<b>Evaporation Rate</b>	Not available
<b>Melting Point</b>	Not available
<b>Boiling Point</b>	Not available
<b>Flash Point</b>	204C / 400C
<b>Auto-ignition Temperature</b>	Not available
<b>Decomposition Temperature</b>	Not available
<b>Flammability (solid, gas)</b>	Not available
<b>Lower Flammable Limit</b>	Not available
<b>Upper Flammable Limit</b>	Not available
<b>Vapor Pressure</b>	Not available
<b>Relative Vapor Density at 20°C</b>	Not available
<b>Relative Density</b>	Not available
<b>Specific Gravity</b>	0.85
<b>Solubility</b>	Negligible
<b>Partition Coefficient: N-Octanol/Water</b>	Not available
<b>Viscosity</b>	Not available
<b>Viscosity, Kinematic</b>	Not available
<b>Explosive Properties</b>	Product is not explosive
<b>Explosion Data – Sensitivity to Mechanical Impact</b>	Not expected to present an explosion hazard due to mechanical impact
<b>Explosion Data – Sensitivity to Static Discharge</b>	Not expected to present an explosion hazard due to static discharge

## SECTION 10: STABILITY AND REACTIVITY

<b>Reactivity</b>	Hazardous reactions will not occur under normal conditions.
<b>Chemical Stability</b>	Stable under recommended handling and storage conditions (see section 7).
<b>Possibility of hazardous reactions</b>	Hazardous polymerization will not occur.
<b>Conditions to Avoid</b>	Direct sunlight, extremely high or low temperatures, heat, hot surfaces, sparks, open flames, incompatible materials, and other ignition sources.

**Incompatibility with other Materials** Strong acids, strong bases, strong oxidizers.

**Hazardous decomposition materials** No decomposition expected under normal use and storage conditions.

## SECTION 11: TOXICOLOGICAL INFORMATION

### Information on Toxicological Effects - Product

<b>Acute Toxicity</b>	Not classified
<b>LD50 and LC50 Data</b>	Not available
<b>Skin Corrosion/Irritation</b>	Not classified
<b>Eye Damage/Irritation</b>	Not classified
<b>Respiratory or Skin Sensitization</b>	Not classified
<b>Germ Cell Mutagenicity</b>	Not classified
<b>Teratogenicity</b>	Not classified
<b>Carcinogenicity</b>	Not classified
<b>Specific Target Organ Toxicity (Repeated Exposure)</b>	Not classified
<b>Aspiration Hazard</b>	Not classified
<b>Symptoms/Injuries After Inhalation</b>	Overexposure may be irritating to the respiratory system.
<b>Symptoms/Injuries After Skin Contact</b>	Repeated or prolonged skin contact may cause irritation.
<b>Symptoms/Injuries After Eye Contact</b>	Direct contact with the eyes is likely irritating
<b>Symptoms/Injuries After Ingestion</b>	Ingestion is likely to be harmful or have adverse gastrointestinal effects.
<b>Chronic Symptoms</b>	Not Classified

### Information on Toxicological Effects - Ingredient(s)

LD50 and LC50 Data

#### Heavy paraffinic, Distillates, petroleum, hydrotreated heavy paraffinic (64742-54-7)

LD50 Oral Rat	> 2000 mg/kg
LD50 Dermal Rabbit	> 2 g/kg

**Petroleum distillates, solvent dewaxed (64742-65-0)**

LD50 Oral Rat > 5000 mg/kg  
LD50 Dermal Rabbit > 5 g/kg

**SECTION 12: ECOLOGICAL INFORMATION**

**Toxicity**

Ecology - General Toxic to aquatic life.

**Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts (68649-42-3)**

LC50 Fish 1 1.0 - 5.0 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])  
EC50 Daphnia 1 1 - 1.5 mg/l (Exposure time: 48 h - Species: Daphnia magna)  
LC 50 Fish 2 10.0 - 35.0 mg/l (Exposure time: 96 h - Species: Pimephales promelas [semi-static])

**Petroleum distillates, solvent dewaxed (64742-65-0)**

EC50 Daphnia 1 > 1000 mg/L (Exposure time: 48 h – Species: Daphnia magna)  
LC50 Fish 1 > 5000 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)

**Distillates, petroleum, hydrotreated heavy paraffinic (64742-54-7)**

LC50 Fish 1 > 5000 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)  
EC50 Daphnia 1 > 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna)

**Persistence and Degradability** Not available

**Bioaccumulative Potential** Not available

**Mobility in Soil** Not available

**Other Adverse Effects**

**Other Information** Avoid release to the environment

**SECTION 13: DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

**Sewage Disposal Recommendations** Do not empty into drains; dispose of this material and its container in a safe way. Do not empty into drains. Do not dispose of waste into sewer.



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**Waste Disposal Recommendations** Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.

## SECTION 14: TRANSPORT INFORMATION

<b>In Accordance with DOT</b>	Not regulated for transport
<b>In Accordance with IMDG</b>	Not regulated for transport
<b>In Accordance with IATA</b>	Not regulated for transport
<b>In Accordance with TDG</b>	Not regulated for transport

## SECTION 15: REGULATORY INFORMATION

### US Federal Regulations

SARA Section 311/312 Hazard Classes Not Classified

**US State Regulations** None noted

### Canadian Regulations

**WHMIS Classification** Not Classified

### Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts (68649-42-3)

Listed on the Canadian DSL (Domestic Substances List)

**WHMIS Classification** Class D Division 2 Subdivision B - Toxic material causing other toxic effects

### Petroleum distillates, solvent dewaxed (64742-65-0)

Listed on the Canadian DSL (Domestic Substances List)

**WHMIS Classification** Uncontrolled product according to WHMIS classification criteria

### Distillates, petroleum, hydrotreated heavy paraffinic (64742-54-7)

Listed on the Canadian DSL (Domestic Substances List)

**WHMIS Classification** Uncontrolled product according to WHMIS classification criteria

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.



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## SECTION 16: OTHER INFORMATION

**Revision Date:** 11/4/2023 – 1

**Other Information:** This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

### GHS Full Text Phrases

- P273 Avoid release into the environment
- P501 Dispose of contents/container in accordance with local, regional, national, and international regulations.

### HMIS:

**Disclaimer:** The information presented herein has been compiled from sources considered to be dependable and is accurate as of the date issued. However, since data, safety standards, and government regulations are subject to change and the conditions of handling and use are beyond our control, we make no warranty regarding the accuracy of such data or its suitability for any use or for any consequence of its use. The data in this SDS relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process. Safe handling and use remains the responsibility of the purchaser and the purchaser has the sole responsibility to determine the suitability of the materials for any use and the manner of user contemplated. We assume no responsibility for injury to the recipient or to third persons or for any damage to any property and the recipient assumes all such risks.