

## SECTION 1 IDENTIFICATION

Product name: ELEMENT X AW32 RED HYDRAULIC OIL  
 Product code: HY32R  
 Intended use: hydraulic oil  
 Manufacturer: Verco International Inc., 9, rue Bélard, L'Isle-Verte (Québec) Canada G0L 1K0  
 Emergency telephone numbers: Verco International: 1 800 393-3921; CANUTEC: (613) 996-6666

## SECTION 2 HAZARDS IDENTIFICATION

GHS classification: Not a hazardous substance or mixture.  
 GHS label elements: Not a hazardous substance or mixture.  
 Potential health effects: Primary routes of entry: skin and eye contact, inhalation, ingestion.  
 Aggravated medical conditions: None known.  
 IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.  
 ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

## SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

This material is defined as a mixture.

| Chemical name                                             | CAS #      | Concentration |
|-----------------------------------------------------------|------------|---------------|
| distillates (petroleum), solvent-dewaxed light paraffinic | 64742-56-9 | 30-60 %       |
| distillates (petroleum), hydrotreated heavy paraffinic    | 64742-54-7 | 45-70 %       |
| zinc dinonylnaphthalene sulfonate                         | 28016-00-4 | 0.1 - <1.0 %  |
| dodecenylsuccinic anhydride                               | 25377-73-5 | 0.1 - <1.0 %  |

## SECTION 4 FIRST AID MEASURES

Skin: Wash immediately with soap and water and rinse thoroughly.  
 Eyes: Rinse opened eye for several minutes under running water.  
 Inhalation: Supply fresh air.  
 Ingestion: Rinse out mouth and then drink plenty of water. DO NOT induce vomiting and consult a medical doctor immediately.  
 Most important symptoms: Gastric or intestinal disorders.  
 Indications for immediate medical attention: Persistent symptoms.

## SECTION 5 FIRE FIGHTING MEASURES

Fire extinguishing agents: CO<sub>2</sub> powder or water spray. Fight larger fires with water spray or alcohol resistant foam.  
 Unsafe fire extinguishing agents: Strong jet of water.  
 Special hazards: No further relevant information available.  
 Advice to fire fighters: Wear self-contained respiratory protective device.  
 Additional information: Cool endangered containers with water spray. Dispose of debris and contaminated water following government regulations.

## SECTION 6 ACCIDENTAL RELEASE MEASURES

Methods and material for containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose of collected material following government regulations.  
 Protective equipment: Wear protective clothing.

## SECTION 7 HANDLING AND STORAGE

Precautions for safe handling: Ensure good interior ventilation, especially at floor level. Store in cool, dry place in tightly sealed containers.  
 Fire and explosion prevention: Protect against electrostatic charges.  
 Storage requirements: Have solvent resistant, sealed floors. Do not store above 40 °C.  
 Further information: Store away from foodstuffs and oxidizing agents.

## SECTION 8 EXPOSURE CONTROL / PERSONAL PROTECTION

Components with workplace control parameters

| Components                                                | CAS #      | Form of exposure         | Permissible concentration | Basis     |
|-----------------------------------------------------------|------------|--------------------------|---------------------------|-----------|
| distillates (petroleum), solvent-dewaxed light paraffinic | 64742-56-9 | TWA (mist)               | 5 mg/m <sup>3</sup>       | CA AB OEL |
|                                                           |            | STEL (mist)              | 10 mg/m <sup>3</sup>      | CA AB OEL |
|                                                           |            | TWAEV (mist)             | 5 mg/m <sup>3</sup>       | CA QC OEL |
|                                                           |            | STEV (mist)              | 10 mg/m <sup>3</sup>      | CA QC OEL |
|                                                           |            | TWA (inhalable fraction) | 5 mg/m <sup>3</sup>       | ACGIH     |
| distillates (petroleum), hydrotreated heavy paraffinic    | 64742-54-7 | TWA (mist)               | 5 mg/m <sup>3</sup>       | CA AB OEL |
|                                                           |            | STEL (mist)              | 10 mg/m <sup>3</sup>      | CA AB OEL |
|                                                           |            | TWAEV (mist)             | 5 mg/m <sup>3</sup>       | CA QC OEL |
|                                                           |            | STEV (mist)              | 10 mg/m <sup>3</sup>      | CA QC OEL |
|                                                           |            | TWA (inhalable fraction) | 5 mg/m <sup>3</sup>       | ACGIH     |

Ingredients requiring monitoring: This product does not contain any relevant quantities of materials that need to be monitored.  
 Protective and hygienic measures: Use the standard precautionary measures for handling chemicals. Keep away from food and beverages. Wash hands before breaks and at the end of the day.  
 Respiratory protection: Not necessary if room is well-ventilated. In case of brief exposure, use respiratory filter device. In case of longer exposure, use self-contained respiratory protective device.  
 Hand protection: Wear chemical resistant protective gloves (EN 374 : 2003).  
 Eye protection: Wear safety glasses (EN 166 : 2001).

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

| PROPERTY                           | METHOD     | VALUE  |
|------------------------------------|------------|--------|
| color                              | visual     | rouge  |
| density @ 15 °C (kg/l)             | ASTM D4052 | 0.8573 |
| water crackle                      | hot plate  | dry    |
| kinematic viscosity @ 40 °C (cSt)  | ASTM D445  | 32.59  |
| kinematic viscosity @ 100 °C (cSt) | ASTM D445  | 6.23   |
| viscosity index                    | ASTM D2270 | 144    |
| flash point (°C)                   | ASTM D92   | 200    |
| pour point (°C)                    | ASTM D97   | -36    |
| superior cleanliness               | ISO 4406   | yes    |
| lubricant life (hours)             | ASTM D943  | 6,000  |

## SECTION 10 STABILITY AND REACTIVITY

Reactivity: Reacts with strong oxidizing and reducing agents.

Thermal decomposition: No decomposition if used according to specifications.

Hazardous reactions: Reacts with strong oxidizing and reducing agents.

Conditions to avoid: Reacts with strong oxidizing and reducing agents.

Incompatible materials: No further relevant information available.

Hazardous products of decomposition: Flammable gases on contact with strong oxidizing agents.

## SECTION 11 TOXICOLOGICAL INFORMATION

Acute toxicity/respiratory or skin sensitisation/specific target organ toxicity/germ cell mutagenicity/carcinogenicity/reproductive toxicity: Based on available data, the classification criteria are not met.

## SECTION 12 ECOLOGICAL INFORMATION

Aquatic toxicity/persistence and degradability/bioaccumulative potential/mobility in soil: No further relevant information available.

Additional information: Do not allow product to reach ground water, water course or sewage system.

## SECTION 13 DISPOSAL CONSIDERATIONS

Follow government regulations when disposing of contaminated liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust) used for cleaning up accidental spills. Recycle all used product and containers. Consult UOMA at [www.usedoilrecycling.com](http://www.usedoilrecycling.com) to find the nearest collection facility.

## SECTION 14 TRANSPORTATION INFORMATION

International regulations:

- IATA-DGR and IMDG Code: Does not apply to this product.
- Annex II of MARPOL 73/78 and the IBC Code: Does not apply to this product.

National regulations: TDG does not apply to this product.

## SECTION 15 REGULATORY INFORMATION

WHMIS: Does not apply to this product.

The components of this product are reported in the following inventories: DSL, TSCA, IECSC, ELINCS

## SECTION 16 OTHER INFORMATION

The information contained in this document is based on our present knowledge. This document does not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

### ACRONYMS

**ACGIH** (American Conference of Governmental Industrial Hygienists), **CAS** (Chemical Abstracts Service), **DSL** (Domestic Substance List), **ELINCS** (European List of Notified Chemical Substances), **GHS** (Global Harmonization System), **IARC** (International Agency for Research on Cancer), **IATA-DGR** (International Air Transport Association Dangerous Goods Regulations), **IBC Code** (International Bulk Container Code), **IECSC** (Inventory of Existing Chemical Substances produced or imported in China), **IMDG Code** (International Maritime Dangerous Goods Code), **STEL** (Short Term Exposure Limit), **STEV** (Short Term Exposure Value), **TDG** (Transportation of Dangerous Goods), **TSCA** (Toxic Substances Control Act), **TWA** (Time Weighted Average), **TWAEV** (Time Weighted Average Exposure Values), **UOMA** (Used Oil Management Association), **WHMIS** (Workplace Hazardous Materials Information System)

Revised on November 15, 2018