

# **Material Safety Data Sheet**

# KORLUBE® HYDRON AW

High Performance Anti-wear Hydraulic Oil

#### 1. IDENTIFICATION

Product name: KORLUBE® HYDRON AW 32, 46, 68, 100, 150

**Usage:** Lubricant

Company: Hyundai Emsys Inc.

16-2, Sunae-dong, Bundang-gu, Sungnam-si, Korea

Tel: +82 31 713 2187, Fax: +82 31 713 2184

Emergency Call: +82 10 2281 2187

# 2. HAZARD IDENTIFICATION

Main hazards: No significant hazard

Prolonged or repeated exposure may cause irritation or dermatitis

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Used oil may contain harmful materials.

NFPA Rating: Health = 1, Flammability = 1, Reactivity = 1

Eyes: Prolonged and repeated exposure may cause irritation

Skin: Prolonged and repeated contact may cause irritation or dermatitis

**Inhalation:** May cause irritation at throat

Ingestion: No data available

### 3. COMPOSITION / INGREDIENTS

**Chemical name:** Lubricating Base Oil Additive

**CAS No.:** 64742-54-7, 64742-57-0

**Content (wt%):** >99 <1

#### 4. FIRST AID MEASURES

Eye contact: Wash immediately with running water for 15 minutes. If irritation

remains, consult a doctor.

Skin contact: Wash immediately with water and soap. Remove contaminated

clothes and footwear.

Inhalation: Move victim to fresh air immediately. If unconscious, check for

breathing and apply artificial respiration if necessary. Consult a

doctor.

**Ingestion:** Do Not induce vomiting. If conscious, give 1/2 liter of water to drink

immediately, Consult a doctor.

#### 5. FIRE-FIGHTING MEASURES

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Extinguishing media: Carbon Dioxide, Dry chemical powder and Alcohol resistant foam

Hazards: During combustion, it emits toxic fumes of Carbon Monoxide, Sulfur

Oxides and Nitrogen Oxides.

**Protection:** Wear self-contained breathing apparatus.

#### 6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Refer to section 8. Exposure Controls/Personal Protection. Mark out

the contaminated area with signs and prevent unauthorized

access.

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using

banding. Alert the neighborhood about fumes or gas.

Cleaning procedures: Mix with sand or vermiculite. Refer to section 13 Disposal

Considerations.

#### 7. HANDLING AND STORAGE

Handling requirements: Ensure enough ventilation. Avoid formation or spread of mist. Avoid

direct contact with the substance.

Storage conditions: Store in a cool and well ventilated place. Keep container tightly

closed. Keep away from direct sunlight. Ensure storage room has retention walls. Ensure the floor of storage room is impermeable.

Suitable packaging: Must be kept in original packaging made by steel or Polyethylene.

### 8. EXPORSURE CONTROLS / PERSONAL PROTECTION

Engineering measures: Ensure the storage room has retention walls. Ensure the floor of

storage room is impermeable.

Hand protection: Gloves (Oil-resistant)

**Eye protection:** Safety glasses **Skin protection:** Protective clothing

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**State:** Liquid **Color:** Brown

Odor: Mild characteristic odor

pH: N/A

Flash point:  $> 200^{\circ}\text{C}/392^{\circ}\text{F}$  (COC Method)

**Density (@15℃):** 0.860-0.882 **Solubility in water:** Insoluble **Viscosity (@100℃, cSt):** 5.55-15.6

#### 10. STABILITY AND REACTIVITY

Stability: Stable

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Conditions to avoid: Heat

Materials to avoid: Strong oxidizing agents

Hazard decomposition: During combustion, it emits toxic fumes of Carbon Monoxide, Sulfur

products: Oxides and Nitrogen Oxides.

#### 11. TOXICOLOGICAL INFORMATION

Chronic toxicity: Danger of cumulative effects through inhalation

**Routes of exposure:** Refer to section 4 First Aid Measures.

### 12. ECOLOGICAL INFORAMTION

Mobility: Floats on water

Persistence and degradability: Only slightly biodegradable
Bioaccumulative potential: Bioaccumulation potential
Other Adverse effects: Harmful to aquatic organisms

#### 13. DISPOSAL CONSIDERATIONS

Disposal operations: D9 Physico-chemical treatment not specified elsewhere in this

MSDS which result in final compounds or mixtures which are disposed of by means of any of the operations in this MSDS (e.g.

evaporation, drying, calcinations, etc.). R8 Oil re-refining or other re-use of oil

Waste code number: 54112

**Disposal of packaging:** Dispose of in a regulated landfill site or other method for hazardous

or toxic wastes.

NB: User's attention is drawn to the possible existence of any local

regulations regarding disposal.

### 14. TRANSPORT INFORMATION

General: No specific transportation regulations on this product. When ship

this product, closed package perfectly to avoid contacting with

water and keep away from physical shock.

**UN Number:** N/A

#### 15. REGULATORY INFORMATION

Hazard symbols: No significant hazard Water hazard class: 3 KBwS classification

**Note:** The regulatory information given above only indicates the principal

regulations specifically applicable to the product described in this MSDS. User's attention is drawn to the possible existence of any

local regulations or provisions.

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#### OTHER INFORMATION 16.

Notice: The information presented herein is compiled from our test and research and other sources considered to be reliable and offered in good faith for the purpose of hazard communication, but do not purport to be all inclusive and shall be used only as a guide. Because product use is beyond our control, no warranty is given, expressed or implied, and we do not assume any liability for the use of information contained herein.

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