

## SAFETY DATA SHEET



Date issued : 10/03/2022

SDS number : 903

## Twin AW Hydraulic Oil 46

## 1. Identification

**Product identifier:** Twin AW Hydraulic Oil 46**Relevant identified uses:** Industrial lubricant**Manufacturer / Supplier**

Twin Specialties Corp.  
 www.twinoils.com  
 1730 Walton Road, Suite 207  
 Blue Bell, PA 19422  
**Customer Service:** (610) 834-7900  
**E-Mail:** [sales@gemini-twin.com](mailto:sales@gemini-twin.com)

**Emergency telephone number (24 hour)**

For Hazardous Materials [or Dangerous Goods] Incident: Spill,  
 Leak, Exposure or Accident  
 Call Chemtrec Day or Night  
 Within USA and Canada: 1-800-424-9300  
 Outside USA and Canada: +1 703-527-3887 (collect calls  
 accepted)  
 CHEMTREC Customer Number (CCN) 11450

## 2. Hazard identification

**Classification of the substance or mixture****Health hazards:**

Not classified.

**Physical hazards:**

Not classified.

**Label elements****Hazard statement(s)**

H1: Not applicable.

**Precautionary statement(s)****Supplemental label elements:**

P10: Not applicable.

**Potential health effects****Eye:** May cause mild eye irritation.**Skin:** Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.**Ingestion:** Ingestion of this product is unlikely. However, if ingested the product may cause gastrointestinal discomfort and disturbances.**Inhalation:** No adverse effects due to inhalation are expected.

## 3. Composition/information on ingredients

Chemical name	% w/w	CAS No.
Distillates (petroleum), hydrotreated heavy paraffinic	70 - 100	64742-54-7

**Comments:**

As per paragraph (i) of 29 CFR 1910.1200, formulation is considered a trade secret and specific chemical identity and exact percentage (concentration) of composition may have been withheld. Specific chemical identity and exact percentage composition will be provided to health professionals, employees, or designated representatives in accordance with applicable provisions of paragraph (i).

**4. First-aid measures**

**Eye:** Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.

**Skin:** Wash with soap and water. Get medical attention if irritation develops or persists.

**Ingestion:** Get immediate medical attention. Do not induce vomiting unless instructed to do so by poison center or physician.

**Inhalation:** If mist or vapor of this product is inhaled, remove person immediately to fresh air. Seek medical attention if symptoms develop or persist.

**5. Fire-fighting measures**

**General hazard:** Keep away from spark, heat and open flames.

**Suitable extinguishing media:** Use alcohol foam, carbon dioxide, or water fog when fighting fires involving this material.

**Hazardous combustion products:** Oxides of carbon, sulfur and phosphorus may be produced.

**Fire fighting equipment:** Wear self-contained breathing apparatus and full protective clothing.

**6. Accidental release measures**

**General procedures:** Absorb spill with inert material. Collect material into appropriate container for disposal. Dispose of in accordance with Federal, State and local regulations.

**Special protective equipment:** Wear suitable protective clothing, gloves and eye/face protection. Prevent further leakage or spillage if safe to do so.

**7. Handling and storage**

**Precautions for safe handling:** Avoid contact with eyes and skin. Wash thoroughly after handling.

**Conditions for safe storage:** Keep container tightly closed and in a cool, well-ventilated place.

**8. Exposure controls/personal protection****Exposure controls**

Chemical name	Control parameters		Occupational exposure limit values	
	Type	ppm	mg/m <sup>3</sup>	
Distillates (petroleum), hydrotreated heavy paraffinic	OSHA PEL	TWA		5
	ACGIH TLV	TWA		5
		STEL		

**Appropriate engineering controls:** Provide local and general exhaust ventilation.

**Individual protection measures, such as personal protective equipment**

**Eye / face protection:** Safety glasses

**Skin protection - hand protection:** Chemical resistant protective gloves

**Respiratory protection:** If ventilation is not sufficient to prevent buildup of mists and vapors, wear appropriate NIOSH/MSHA respirator.

**Occupational hygiene practices:** Wash hands before breaks and at the end of work.

**9. Physical and chemical properties**

**Appearance:** Liquid

**Color:** Pale

**Odor:** Petroleum

**Odor threshold:** Not determined.

**pH:** NA = Not Applicable

**Initial boiling point and boiling range:** > (500°F)

**Flash point:** ~ (440°F) Cleveland Open Cup

**Evaporation rate (n-butyl acetate = 1):** < 1

**Explosion limit / flammability limit notes:** N/D

**Vapor pressure:** < 1 mm Hg

**Relative vapor density:** > 1 Air = 1

**Relative density:** 0.86

**Solubility:** Water insoluble

**Decomposition temperature:** Not determined.

**Kinematic viscosity:** ~ 47 cSt at 40°C

**Pour point:** ~ -33°C

## 10. Stability and reactivity

**Reactivity:** Nonreactive.

**Chemical stability:** Stable

**Conditions to avoid:** Oxidizing materials.

**Possibility of hazardous reactions:** No dangerous reactions known.

**Hazardous decomposition products:** No dangerous decomposition products known.

## 11. Toxicological information

### Acute toxicity

Chemical name	LD <sub>50</sub> (oral) mg/kg(rat)	LD <sub>50</sub> (dermal) mg/kg(rabbit)	LC <sub>50</sub> (inhalation) mg/l
Distillates (petroleum), hydrotreated heavy paraffinic	> 5 g/kg	> 2 g/kg	> 5 mg/L

### Carcinogenicity

**IARC:** No components listed.

**NTP:** No components listed.

**OSHA:** No components listed.

**General comments:** Routes of exposure: skin, inhalation and eyes.

## 12. Ecological information

**Other adverse effects:** No data available.

## 13. Disposal considerations

**Disposal methods:** Dispose of in accordance with local, state and federal regulations.

## 14. Transport information

### USA Department of Transport Regulations (DOT)

**UN proper shipping name:** Not regulated

## 15. Regulatory information

### UNITED STATES

#### SARA Section 311/312 Hazard Categories

**313 reportable ingredients:** None above reporting de minimis.

#### EPCRA Section 302 Extremely Hazardous Substances

**EPCRA Status:** None above reporting de minimis.

#### TSCA (The Toxic Substances Control Act)

**TSCA regulatory:** All of the components in this product are either listed on or exempt from the Toxic Substance Control Act (TSCA) chemical substance inventory.

**16. Other information**

Date Prepared: 10/03/2022

**HMIS rating**

<b>Health</b>		<b>1</b>
<b>Flammability</b>		<b>1</b>
<b>Physical hazard</b>		<b>0</b>
<b>Personal protection</b>		<b>B</b>

**Manufacturer disclaimer:**

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