

SAFETY DATA SHEET



Date issued : 11/13/2019
 SDS number : 744
 Date revised : 10/30/2023
 Revision number : 2

Twin HVI Hydraulic Oil 32

1. Identification

Product identifier: Twin HVI Hydraulic Oil 32
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

Emergency telephone number (24 hour)

For Hazardous Materials [or Dangerous Goods] Incident
 Spill, Leak, Fire, 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 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

| Control parameters | | | | |
|--|------------------------------------|------|-----|-------------------|
| Chemical name | Occupational exposure limit values | | | |
| | Type | | ppm | mg/m ³ |
| 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: Yellow

Odor: Petroleum

Odor threshold: Not determined. **pH:**

NA = Not Applicable

Freezing point: Not determined.

Initial boiling point and boiling range: > (550°F)
Flash point: ~ (405°F) Cleveland Open Cup
Evaporation rate (n-butyl acetate = 1): Not determined.
Explosion limit / flammability limit notes: N/D
Vapor pressure: Nil
Relative vapor density: ~ 10 Air = 1
Relative density: 0.84
Solubility: Water insoluble
Decomposition temperature: Not determined. **Kinematic viscosity:** ~ 33 cSt at 40°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 ₅₀ (oral) mg/kg(rat) | LD ₅₀ (dermal) mg/kg(rabbit) | LC ₅₀ (inhalation) mg/l |
|--|---------------------------------------|--|---------------------------------------|
| Distillates (petroleum), hydrotreated heavy paraffinic | > 5 g/kg | > 2 g/kg | > 5 mg/L |

Carcinogenicity

IARC: No components listed by the International Agency for Research on Cancer (IARC) as; carcinogenic to humans (Group 1), probably carcinogenic to humans (Group 2A), or possibly carcinogenic to humans (Group 2B).

NTP: No components listed by National Toxicology Program (NTP) Annual Report as known to be human carcinogens or reasonably anticipated to be human carcinogens.

OSHA: No components listed under the OSHA Hazard Communication Standard (29 CFR 1910.1200 Subpart Z) as carcinogens.

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. This product does not contain intentionally added per- and polyfluoroalkyl substances (PFAS) required under the reporting requirements of TSCA section 8(a)(7).

16. Other information

Date revised: 10/30/2023

Revision summary: This SDS replaces the 11/09/2022 SDS. Revised: **Section 2:** Classification of the substance or mixture, Label elements, Precautionary statement(s).

HMIS rating

| | | |
|----------------------------|--------------------------|----------|
| Health | <input type="checkbox"/> | 1 |
| Flammability | <input type="checkbox"/> | 1 |
| Physical hazard | <input type="checkbox"/> | 0 |
| Personal protection | <input type="checkbox"/> | B |

Manufacturer disclaimer:

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