

CI-4 20W-50

Nº: 004-SDS2025

Revision Date: 02/07/2025

1. PRODUCT AND COMPANY IDENTIFICATION

Product name:	CI-4 20W-50 SAE 20W-50, API CI-4, ACEA E7-22
Identification:	Engine oil
Company name:	Apeiron Oils Co., Ltd.
Company address:	Road No. 1, Nhon Trach Industrial Park 1, Nhon Trach Commune, Dong Nai Province, Vietnam
Company hotline:	+84 1800 6149
Email:	cskh@apeironoils.com
Website:	www.apeironoils.com

2. COMPOSITION/INFORMATION OF INGREDIENTS

Distillates (petroleum), hydrotreated heavyparaffinic:	Cas No: 64742-54-7	% Wt: > 85
Zinc alkyl dithiophosphate:	Cas No: 84605-29-8	% Wt: <1
Calcium sulfonate:	Cas No: 1078715-97-5	% Wt: < 1
Olefin sulfide:	Cas No: 93925-37-2	% Wt: < 0.5

3. HAZARDS IDENTIFICATION

General Information:	The components are not hazardous or are below required disclosure limits.
Classification according to Global Harmonized System (GHS) standards:	Not determined
Label Elements:	Not determined
Signal word:	Not determined
Hazard Statement(s):	Not determined
Storage:	Store locked up Store in a well-ventilated place
Disposal:	P501: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

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4. FIRST AID MEASURES

Emergency first aid:

In case of accident or unwell, seek medical advice immediately (look at directions for usage sheet or safety data sheet if possible).

Eye contact:

Rinse cautiously with water for several minutes, continue rinsing. If eye irritation persists in; get medical advice/attention.

Skin Contact:

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Wash contaminated clothing before reuse. If skin irritation persists in, call a physician.

Inhalation:

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice if you feel unwell.

Ingestion:

Call a poison center or doctor/physician immediately.

5. FIRE FIGHTING MEASURES

Flash point-ASTM D93 (°C)

>180°C

SPECIAL FIRE FIGHTING PROCEDURES:

Evacuate personnel to safe areas.
Move containers from fire area to safe place.
Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

There is no risk of fire and explosion under normal condition.

**Extinguishing media
Suitable extinguishing media**

Use extinguishing measures that is appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media

High volume water jet.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:

Remove all sources of ignition.
Avoid contact with skin, eyes or clothing directly.
Do not breathe dust/fume/gas/mist/vapors/spray.
Do not touch or walk through spilled material.
Ensure adequate ventilation, especially in confined areas.

Environmental Precautions:

Should not be release into the environment.
Do not flush into surface water or sanitary sewer system.

Methods and material for containment and cleaning up:

Use a non-combustible material like vermiculite or sand to soak up the product and put into a container for disposal later.

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7. HANDLING AND STORAGE

Precautions for safe handling:

Keep containers tightly closed in a dry, cool and well-ventilated place.
Handle in accordance with good industrial hygiene and safety practice.
Keep away from heat, sparks, flame and other sources of ignition.
Keep locked up and out of reach of children.

Conditions for safe handling:

None of the components have assigned exposure limits.
Avoid working under high temperature condition. If meet abnormal temperature (like fire accident), get away from site immediately.

Respiratory protection:**Eye protection:**

Wear safety protection glasses.

Hand protection:

Wear protective gloves.

Body protection:

Avoid directly contacting the skin. Wear protective gloves, and keep personal hygiene.

8. EXPOSURE COMTROLS/PERSONAL PROTECTION

Occupational Exposure Limits:

Not determined

Appropriate engineering controls:

No special requirements under ordinary conditions of use and with adequate ventilation.

Individual protection measures, such as personal protective equipment. General information:

Provide easy access to water supply and eye wash facilities. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions.

Eye/face protection:

Wear tight-fitting goggles or face shield. Safety glasses. If potential for splash or mist exists, wear chemical goggles or faceshield.

Skin Protection:

Use nitrile or neoprene gloves. Use good industrial hygiene practices. In case of skin contact, wash hands and arms with soap and water.

Wear apron or protective clothing in case of contact. Do not wear rings, watches or similar apparel that could entrap the material.

Respiratory Protection:

A respiratory protection program compliant with all applicable regulations must be followed whenever workplace conditions require the use of a respirator. Use respirator with an organic vapor and dust/mist cartridge if the recommended exposure limit is exceeded. Use self-contained breathing apparatus for entry into confined space, for other poorly ventilated areas and for large spill clean-up sites.

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Hygiene measures:

Observe good industrial hygiene practices. Do not eat, drink or smoke when using the product. Do not get in eyes. Avoid contact with skin. Wash contaminated clothing before reuse. When using do not smoke. Wash hands before breaks and immediately after handling the product. Wash hands after handling. Contaminated work clothing should not be allowed out of the workplace.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Viscous liquid
Odor:	Hydrocarbon
Color:	Amber
Boiling point:	Not determined
Flash point, ASTM D92:	>200°C
Vapor pressure:	Not determined
Density @20°C:	~0.85-0.90 g/cm ³
Solubility in water:	Insoluble
pH:	Not determined
KV@ 100°C, ASTM D445:	16.3 – <21.9 cSt
Pour point, ASTM D97:	Max -18°C

10. STABILITY AND REACTIVITY

Chemical stability:	Stable under normal conditions.
Reactivity:	No known effects under normal usage conditions.
Incompatible materials:	Oxidizing agents.
Products of combustion:	Carbon monoxide, carbon dioxide.
Conditions to avoid:	Extremes of temperature and direct sunlight.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Skin Corrosion/Irritation:	May cause skin irritation in susceptible persons.
Oral:	Material can be aspirated into the lungs during the act of swallowing or vomiting. This could result in severe injury to the lungs and death.
Serious Eye Damage/ Eye Irritation:	No serious eye damage/ irritation.
Sensitization:	May cause sensitization in susceptible persons.

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Chronic Effects

Germ cell mutagenicity:	No information available.
Carcinogenicity:	No information available.
Reproductive toxicity:	No information available.

12. ECOLOGICAL INFORMATION

Mobility:	No data available.
Persistence and Degradability:	No data available.
Ecotoxicity:	No data available.
Bioaccumulative potential:	Hazardous waste, need to safety treatment.

13. DISPOSAL CONSIDERATION

Disposal instructions:	Disposal should be in accordance with applicable regional, national and local laws and regulations.
Contaminated packaging:	Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION

Land (DOT):	Not Regulated for Land Transport (DOT).
LAND (TDG):	Not Regulated for Land Transport.
Transport SEA (IMDG):	Not Regulated for Sea Transport according to IMDG-Code.
AIR (IATA):	Not Regulated for Air Transport.
Identification:	Not applicable.
Special provision for transport:	Not applicable.

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15. REGULATORY INFORMATION

All components comply with TSCA, SARA, TWA, STEL, EINECS/ELINCS and TLV-C:

- TSCA - Toxic Substances Control Act
- SARA- System for Anesthetic and Respiratory Analysis
- TWA (Time Weighted Average)
- STEL (Short Term Exposure Limit)
- EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/European List of Notified Chemical Substances
- TLV-C - Thresold limit value
- According to Circular 36/2015 / TT-BTNMT
- According Decree 113/2017/NĐCP

Other regulatory information

We are not able to check up the regulatory information in regard to the substances in your country or region. Therefore, we request this matter would be filled by your responsibility. Ensure this material in compliance with national requirements and ensure conformity to local regulations.

16. OTHER INFORMATION

Disclaimer:

The information compiled in this safety data sheet is based on current and valid knowledge about hazardous chemicals and must be used to implement measures to prevent risks and accidents, guidance for safe handling, storage, transportation and disposal. The safety data sheet only describes products related to safety requirements. The data does not describe the attributes of product (specifications). The information only relates to the specific product designated and may not be valid for such product used in combination with any other products or in any usage process.