Panasonic

SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name: Panasonic Lubricating Oil
Product code: WES003P (Representative model)
Registration number: 01-2119487078-27-0067
CAS-No.: 8042-47-5
Unique Formula Identifier (UFI): T200-U0CW-500J-QCPJ

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Lubricating oil for Shaver or Clipper blades
Uses advised against: Others than those above

1.3. Details of the supplier of the safety data sheet

Manufacturer
Panasonic Corporation
Beauty and Personal care Business Division, Personal Care Products Department
33 Okamachi, Hikone-city, Shiga 522-8520 Japan
Telephone: +81-749-26-1584
Mon.～Fri. 9:00～17:30(JST), Japanese only
Fax: +81-77-563-5936

Distributor
Panasonic Marketing Europe GmbH
Panasonic Testing Center (PTC)
Winsbergring 15, 22525 Hamburg, Germany
Telephone: +49 (0)40 8549-0
(for technical or sales requests)
docmaster@eu.panasonic.com

1.4. Emergency telephone number

+49 40 85490 (for emergency calls only)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]:
Not Hazardous

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]:

Pictogram **No symbol**
Signal word **No signal word**
Hazard Statements **No hazard phrases**
Precautionary Statements
[Prevention] No precautionary phrases
[Response] No precautionary phrases
[Storage] No precautionary phrases
[Disposal] No precautionary phrases

SECTION 3: Composition/information on ingredients

3.1. Substances or Mixtures	Substance
Chemical name	White mineral Oil
Chemical nature	Highly refined mineral oil. The highly refined mineral oil contains <3% (w/w) DMSO- extract, according to IP346.
CAS registry number	8042-47-5

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice	Not expected to be a health hazard when used under normal conditions.
Protection of first-aiders	When administering first aid, ensure that you are wearing the appropriate personal protective equipment according to the incident, injury and surroundings.
If inhaled	If you feel unwell, get medical advice/ attention immediately and at rest. If symptoms continue, call a doctor/physician.
If on skin	Remove contaminated clothing. Rinse with plenty of water. If symptoms continue, call a doctor/physician.
If in eyes	Immediately rinse cautiously with water for 15 - 20 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If symptoms continue, call a doctor/physician.
If swallowed	Without inducing vomiting, immediately get medical advice/attention. If mouth has been dirtied, clean with water.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms	Oil acne/folliculitis signs and symptoms may include formation of black pustules and spots on the skin of exposed areas. Ingestion may result in nausea, vomiting and/or diarrhoea.

4.3. Indication of any immediate medical attention and special treatment needed

Notes to doctor/physician: Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Foam, water spray or fog.
Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only.

Unsuitable extinguishing media

Do not use water in a jet.

5.2. Special hazards arising from the substance or mixture

Specific hazards during firefighting	Hazardous combustion products may include: A complex mixture of airborne solid and liquid particulates and gases (smoke). Carbon monoxide. Unidentified organic and inorganic compounds.

5.3. Advice for firefighters

Special protective equipment for firefighters	Proper protective equipment including chemical resistant gloves are to be worn; chemical resistant suit is indicated if large contact with spilled product is expected. Self-Contained Breathing Apparatus must be worn when approaching a fire in a confined space. Select fire fighter's clothing approved to relevant Standards (e.g. Europe: EN469).
Specific extinguishing methods	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel:

Avoid contact with skin and eyes.

For emergency responders:

Avoid contact with skin and eyes.

6.2. Environmental precautions

Use appropriate containment to avoid environmental contamination. Prevent from spreading or entering drains, ditches or rivers by using sand, earth, or other appropriate barriers.

6.3. Methods and material for containment and cleaning up

Slippery when spilt. Avoid accidents, clean up immediately. Promptly remove all ignition sources and stop leakages. In a small leakage, absorb and recover by use of soil, sand, sawdust and waste clothes. Cover liquid surface with foam, and recover liquid into containers. Local authorities should be advised if significant spillages cannot be contained.

6.4. Reference to other sections

Refer to “SECTION 8: Exposure controls/personal protection” and “SECTION 13: Disposal considerations” as appropriate.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Protective measures:

Keep away from heat, sparks, open flames, hot objects. No smoking. Take measures against static discharge. Ensure to wear clothing and shoes made of conductive materials. When fixing or processing machine, it carries out after removing dangerous objects completely. NEVER suck up (siphoning) this material by mouth. Wear suitable protect equipment if skin or eye contact may cause. Containers without handling in violent such as falling, dropping, or jolting.

Advice on general occupational hygiene:

Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures:

It is recommended to lock up storage area. Use properly labeled and closeable containers. Avoid heat, sparks, open flame and static accumulation. All electrical appliances shall be explosion-proof types, and they all must be earthed.

Incompatible materials:

Avoid contact and storage in same place with halogens, strong acids, alkali and oxidizing materials

Conditions for safe storage:

Avoid sunlight. Store in a cool well-ventilated place.
Storage class (TRGS 510): LGK 10 (Combustible liquids)

Packing material:

Use a sealed container without damage or leakage.

7.3. Specific end use(s)

Lubricant agents

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Acceptable concentration (exposure limit, biological exposure index)

Occupational Exposure Limits

OSHA PEL (2012)	5mg/m^3, (as Oil mist, mineral)
ACGIH TLV-TWA (2012)	5 mg/m^3, (as Oil mist, mineral)
Japan Society for Occupational Health (2012)	3 mg/m^3, (as Oil mist, mineral)

Biological occupational exposure limits

No biological limit allocated.

Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

Substance is a hydrocarbon with a complex, unknown or variable composition. Conventional methods of deriving PNECs are not appropriate and it is not possible to identify a single representative PNEC for such substances.

8.2. Exposure controls

Appropriate engineering controls:

Shower and eye washer should be available in the work area.
Under high temperature or in case of mist generation, use ventilation.

Personal protective equipment:

Respiratory protection	No respiratory protection is ordinarily required under normal conditions of use. Use appropriate equipment in response to the circumstances.
Hand protection	Use protective hand gloves in case of prolonged or repeated skin contact.
Eye protection	If material is handled such that it could be splashed into eyes, protective eyewear is recommended.
Skin and body protection	Use long sleeved clothing in case of prolonged usage.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	
(physical state, form and colour)	Colourless clear viscous liquid (at room temperature)
Odour	Characteristic mineral oil
Odour threshold	Data not available
pH	Data not available
Melting point/freezing point	Data not available
Initial boiling point and boiling range	> 280 °C
Flash point	210°C (COC)
Evaporation rate	Data not available
Flammability (solid, gas)	Data not available
Upper explosion limit	Typical 10 %(V)
Lower explosion limit	Typical 1 %(V)
Vapour pressure	< 0.5 Pa (20 °C) estimated value
Vapour density	Data not available, Expected >1
Relative density	Approx. 0.86g/cm^3 (15°C)
Density	862 kg/m3 (15.0 °C)
Solubility (ies)	Water: Negligible. Other solvents: Data not available
Partition coefficient: *n*-octanol/water	Pow: > 6(based on information on similar products)
Auto-ignition temperature	> 320°C
Decomposition temperature	Data not available
Viscosity(Kinematic viscosity)	31.5mm^2/s(at 40℃)
Explosive properties	Not classified

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal handling condition.

10.2. Chemical stability

Stable under normal handling condition.

10.3. Possibility of hazardous reactions

Avoid contact with strong oxidizing agent

10.4. Conditions to avoid

Avoid contact with halogens, strong acids, alkalis, and oxidizing materials; extreme temperature and direct sunlight.

10.5. Incompatible materials

Strong oxidising agents

10.6. Hazardous decomposition products

Hazardous decomposition products are not expected to form during normal storage. Generates smoke, carbon monoxide, sulfurous acid gas etc. during combustion.

SECTION 11: Toxicological information

Information on product:	"Not classified"
Acute Toxicity (Oral)	LD_{50} > 5,000 mg/kg, Rat
Acute Toxicity (Dermal)	LD_{50} > 5,000 mg/kg, Rat
Acute Toxicity (Inhalation)	LC_{50} Rat: > 5 mg/l (Exposure time: 4 h)
Skin Corrosion/Irritation	Not classified as a skin irritation (rabbit test)
Serious Eye Damage/Irritation	Not classified as an eye irritation (rabbit test)
Respiratory or Skin Sensitisation	No data available concerning respiratory sensitization. Not classified as a skin sensitizer (pig test).
Carcinogenicity	Highly refined mineral oils are not classified as carcinogenic by the International Agency for Research on Cancer (IARC monographs: Group 3). White mineral oils are the higher degree of refining and not classified as a carcinogen.
Reproductive and Developmental Toxicity	Not classified as a Reproductive and Developmental Toxicity (rabbit test, 4,350mg/kg･bw/day, 5days a week, 13weeks)
Specific target organ toxicity	Not expected to be a hazard.
Aspiration Hazard	Not classified as a hydrocarbon with kinematic viscosity. 20.5mm^2/s measured at 40°C. Not considered an aspiration hazard.

SECTION 12: Ecological information

12.1. Toxicity:

Information on product:	
Acute Aquatic Toxicity:	Fish Practically non toxic: LC50>10,000mg/L (Lepomis macrochirus, 96hrs)
Chronic Aquatic Toxicity:	Not expected to be a hazard. "Not classified"

12.2. Persistence and degradability:

Information on product:	No additional information available

12.3. Bio accumulative potential:

Information on product:	No additional information available

12.4. Mobility in soil:

Information on product:	Generally floats on water. Lubricating oil components have estimated log Koc >3, indicating these components are likely to be adsorbed onto soil and sediment and are not likely to leach to ground water.

12.6. Other adverse effects:

Information on product:	
Hazardous to ozone layer	Not classified because this product not contained substances listed on Montreal Protocol and Ozone Layer Protection Law.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Dispose of waste in accordance with applicable local, regional and international regulations and standards.

When disposing, consult to a certificated waste trader or local offices if they deal with the waste.
Used container should be recycled after cleaning or dispose of in compliance with related laws and local regulations.
Contents should be removed completely when dispose of empty containers.

SECTION 14: Transport information

14.1. UN number	Not applicable
14.2. UN proper shipping name	Not applicable
14.3. Transport hazard class(es)	Not applicable
14.4. Packing group	Not applicable
14.5. Environmental hazards	Not applicable

14.6. Special precautions for user

When transporting, avoid direct sunlight. Confirm no leakage to containers. When loading, prevent containers from falling, dropping off or damaging. Take preventive measures of collapse.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and IBC code

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/ legislation specific for the substance or mixture

Substance is listed or in compliance at EINECS/ELINCS (EC), TSCA (USA), METI (JAPAN), and not regulated by specific provisions related to protection of human health or the environment at EU level, e.g. not considered as SVHCs or POPs.
Water hazard class (WGK): 1 (slightly hazardous to water)

Section 16: Other information

Update history:

Date of issue:	21/04/2015	Ver.1	
Revision	24/06/2021	Ver 1.1	format updated
Revision	20/05/2022	Ver 1.2	section 1.4 updated

References:

ACGIH, American Conference of Governmental Industrial Hygienists (2013) TLVs and BEIs.
Federal register Vol.77, No.58, March.26.2012: Hazard Communication
OSHA Hazard Communication Standard,29 CFR 1910,1200
Globally Harmonized System of Classification and Labelling of Chemicals (GHS) 5th revised edition, UNITED NATIONS (2013)
National Institute of Technology and Evaluation (NITE), "GHS Information"
ECHA: Registered Substances List
Japanese Standards Association (JSA), JIS Z 7253:2012, JIS Z 7252:2014
Ministry of Economy, Trade and Industry, Chemical Management site.
Ministry of Health, Labour and Welfare, "Label and MSDS information for GHS model"
Technical Rules for Hazardous Substances (TRGS) N 510: Storage of hazardous substances in nonstationary containers

Full text of abbreviations

ACGIH - The American Conference of Governmental Industrial Hygienists; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive

Toxicant; DMSO - Dimethyl sulphoxide; ECHA - European Chemicals Agency; EC-Number - European Community number; ELINCS - European List of Notified Chemical Substances; EINECS - European Inventory of Existing Commercial chemical Substances; GHS - Globally Harmonized System; IARC - International Agency for Research on Cancer; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IP346 - Institute of Petroleum test method 346; JSA - Japanese Standards Association; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); LGK – Lagerklasse (German; Storage class); MARPOL - International Convention for the Prevention of Pollution from Ships; METI –Ministry of Economy, Trade and Industry (Japan); (M)SDS – (Material) Safety Data Sheet; NITE - National Institute of Technology and Evaluation (Japan); OSHA – Occupational Safety and Health Administration; PBT - Persistent, Bioaccumulative and Toxic substance; PEL - Permissible Exposure Limits; PNEC - Predicted No Effect Concentration; POPs - Regulation (EU) No 2019/1021 on persistent organic pollutants; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SVHC – Substances of Very High Concern; TLV-TWA - Threshold Limit Value - Time-Weighted Average; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UFI – Unique Formula Identifier; vPvB - Very Persistent and Very Bioaccumulative; WGK – Wassergefärdungsklasse (German, water hazard class)

[Disclaimer]

This SDS has been prepared based on the best available information however, it may not be sufficient in some cases. Precautionary measures in this SDS are only applicable for normal handling conditions and it is necessary to take appropriate additional measures to ensure safe handling which depend on your specific use conditions or situations.