

Safety data sheet

according to Regulation (EC) No 1907/2006 (REACH)



Trade name: HiKOKI 2-stroke oil 1L (in dosing bottle)

HiKOKI no.: 714853, 714859

Version / Language: 1.0/EN

Site 1 from 15

Date: 15.01.2026

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

1.1: Product identifier

Product form:	Mixture
Trade name:	HiKOKI 2-stroke oil 1L (in dosing bottle)
Unique Formula Identifier – UFI:	-
Product type:	Lubricants

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

Relevant identified uses

Motor oil for industrial, professional and consumer use.

1.3: Details of the supplier providing the safety data sheet

Manufacturer:

Koki Holdings Co. Ltd.
Shinagawa Intercity Tower A, 15-1
Konan 2-chome, Minato-ku, Tokyo, Japan

EU-Importer:

Koki Holdings Europe GmbH
Metabo-Allee 1
72622 Nürtingen, Germany

Phone: +49 (0) 7022 - 72 0
Fax: +49 (0) 7022 - 72 2595
Web: <https://www.hikoki-powertools.eu>
E-mail: info@hikoki-powertools.eu

1.4: Emergency number

GBK GmbH (24 h): +49 (0) 6132-84463

SECTION 2: Possible dangers

2.1: Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

The mixture is not classified according to Regulation (EC) No 1272/2008 [GHS].

Other information

Full text of hazard statements and EU hazard statements in SECTION 16.

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2.2: Labelling elements

Labelling in accordance with Regulation (EC) No 1272/2008 [CLP]

The product is not classified as hazardous.

Hazard statements (H-phrases):

EUH210

Safety data sheet available on request.

Other information

Full text of hazard statements and EU hazard statements in SECTION 16.

2.3: Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

SECTION 3: Composition / information on ingredients

3.1: Substances

Not applicable

3.2: Mixtures

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Composition / information on ingredients

Substance name	Product identifier	Concentration [%]	Classification according to Regulation (EC) Nr. 1272/2008 [CLP]	SCL, ATE (oral, dermal, inhalative), M-factor (acute, chronic)
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics	Index No. 649-422-00-2 EC No. 926-141-6 Reach No. 01-2119456620-43 CAS No. 64742-47-8	20 - 25	Asp. Tox. 1 (H304); EUH066	
Mixture of mineral oils (Note L)	-	0,3 – 2,5	Asp. Tox. 1 (H304)	

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3.3: Additional hints

his highly refined oil contains <3% (w/w) DMSO extract, determined in accordance with IP 346.

Contains one or more of the following CAS-numbers (REACH registration numbers):
64741-88-4 (01-2119488706-23), 64741-89-5 (01-2119487067-30), 64741-95-3 (01-2119487081-40), 64741-96-4 (01-2119483621-38), 64741-97-5 (01-2119480374-36), 64742-01-4 (01-2119488707-21), 64742-52-5 (01-2119467170-45), 64742-53-6 (01-2119480375-34), 64742-54-7 (01-2119484627-25), 64742-55-8 (01-2119487077-29), 64742-56-9 (01-2119480132-48), 64742-57-0 (01-2119489287-22), 64742-62-7 (01-2119480472-38), 64742-65-0 (01-2119471299-27), 64742-71-8 (01-2119485040-48), 72623-85-9 (01-211955262-43), 72623-86-0 (01-2119474878-16), 72623-87-1 (01-2119474889-13), 74869-22-0 (01-2119495601-36)

Note L: The harmonised classification as a carcinogen applies unless it can be shown that the substance contains less than 3 % of dimethyl sulphoxide extract as measured by IP 346 ("Determination of polycyclic aromatics in unused lubricating base oils and asphaltene free petroleum fractions – Dimethyl sulphoxide extraction refractive index method" Institute of Petroleum, London), in which case a classification in accordance with Title II of this Regulation shall be performed also for that hazard class.

Occupational exposure limits, where available, are given in section 8.

This mixture does not contain any substances in nanoform or registered as such.

SECTION 4: First aid measures

4.1: Description of first aid measures

General notes

Do not leave the affected person unattended. Immediately move the affected person away from the hazardous area and take off all contaminated clothing. In case of any doubts or symptoms immediately seek medical assistance.

After inhalation

In case of laboured or interrupted breathing immediately seek medical assistance. Provide fresh air and start first aid measures.

After skin contact

Wash the affected area thoroughly with water and soap.

After eye contact

Take out contact lenses. Thoroughly wash the open eye with water.

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After ingestion

Call a poison centre or a doctor if you feel unwell.

Protection of the first aider

Avoid all dangerous contact with the substance and take all usual precautions.

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

Although no appropriate human or animal health effects data are known to exist, this material is expected to be an inhalation hazard.

4.3: Indications of immediate medical assistance or specialised treatment

Notes for the doctor

Treat symptomatically.

Specialized treatment

No further information.

SECTION 5: Fire fighting measures

5.1: Extinguishing agent

Suitable extinguishing agents

Water spray. Dry powder. Foam. Carbon dioxide.

Unsuitable extinguishing agents

Heavy water stream.

5.2: Special hazards arising from the substance or mixture

Hazards arising from the substance or mixture

Flammable liquid. Not direct explosion hazard.

Hazardous combustion products

Possible formation of toxic fumes. Incomplete combustion releases hazardous carbon monoxide, carbon dioxide and other toxic gases.

5.3: Advice for firefighting

Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.

Special protective equipment for firefighting

Self-contained breathing apparatus. Complete protective clothing.

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SECTION 6: Accidental release measures

6.1: Personal precautions, protective equipment and emergency procedures

Ventilate spillage area. Wear recommended personal protective equipment. Do not attempt to act without suitable protective equipment. Evacuate unnecessary personnel. Stop leak if safe to do so.

6.2: Environmental protection measures

Avoid release to the environment.

6.3: Methods and material for retention and cleaning

Absorb spilled material with sand or earth. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak without risks if possible. Dispose of materials or solid residues at an authorized site.

6.4: Reference to other sections

For further information on disposal, see section 13.

SECTION 7: Handling and storage

7.1: Protective measures for safe handling

Not expected to present a significant hazard under anticipated conditions of normal use. Ensure good ventilation of the workstation. Wear personal protective equipment. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2: Conditions for safe storage considering incompatibilities

Technical measures and storage conditions

Keep in a cool (0 – 40°C), well-ventilated place away from heat.

Packaging materials

Always store product in container with similar material as original container.

Requirements for storage rooms and containers

No further information.

Instructions on storage compatibility

Storage class: 10 - 13

Further information on storage conditions

No further information.

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7.3: Specific end uses

Recommendations

No further information.

Specific solutions for the industrial sector (industry solutions where applicable):

No further information.

SECTION 8: Exposure controls / Personal protective equipment

The information in this section contains general advice and guidance. Information provided is based on typical anticipated uses of the product. Additional measures may be required for handling large quantities or other uses that may significantly increase worker exposure or release into the environment.

8.1: Parameters to be monitored

EU - Indicative Occupational Exposure Limit (IOEL)

5 mg/m³ - ACGIH TLV (inhalable fraction)

Additional notes:

The lists valid at the time of compilation served as a basis.

8.2: Exposure controls and monitoring

Suitable technical control devices

Ensure good ventilation of the workstation.

Individual protective measures, for example personal protective equipment

The efficiency of personal protective equipment depends among other things on temperature and degree of ventilation. Always get professional advice for the local situation.

General protective and hygienic measures

The usual precautions when managing chemicals must be observed.

Keep away from food, drink and animal feed.

Wash hands before breaks and after work.

Do not inhale gases, vapours, aerosols.

When using do not eat, drink or smoke.

Hand protection



Use reusable gloves according to EN ISO 374.

Suitable material: nitril $\geq 0,35$ mm.

Indication of permeation breakthrough time: 6 hours

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Body protection

Impermeable protective clothing and non-slippery shoes are recommended.

Eye and face protection



Suitable eye protection: Use appropriate safety glasses.

Breathing protection

In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal protection

Take usual precautions when managing chemicals.

Further protective measures:

No further information.

Environmental exposure controls

Use a suitable container to prevent environmental contamination.

SECTION 9: Physical and chemical properties

9.1: Information on the basic physical and chemical properties

State of aggregation:	Liquid
Colour:	Blue
Odour:	Characteristic
pH value:	Not available
Melting point and melting range:	-39 °C - ASTM D5950 (Pour point)
Initial boiling point and boiling range:	Not available
Flammability:	Not available
Lower and upper explosion limit [% in air]:	Not available
Flash point:	122 °C - ASTM D92 (COC)
Decomposition temperature:	Not available
Auto ignition temperature:	Not available
Vapour pressure at 20°C:	Not available
Relative vapour density:	Not available
Relative density at 15°C:	0,851 kg/l - ASTM D4052
Solubility(ies):	Not available
Partition coefficient n-octanol/water:	Not available
Kinematic viscosity at 40 °C:	33,7 mm ² /s - ASTM D7042
Evaporation number:	Not available
Explosive Properties:	No specific fire or explosion hazard
Oxidising Properties:	Not available

9.2: Other information

No further information.

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SECTION 10: Stability and reactivity

10.1: Reactivity

No further information.

10.2: Chemical stability

No further information.

10.3: Possibility of hazardous reactions

Reacts violently with (strong) oxidizers.

10.4: Conditions to avoid

No further information.

10.5: Incompatible materials

Strong oxidizers.

10.6: Hazardous decomposition products

No further information.

SECTION 11: Toxicological information

11.1: Information on hazard classes according to Regulation (EC) No. 1272/2008

Acute toxicity

Not classified

Substance: Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics

Oral:	LD50	> 5000 mg/kg (rat)
Dermal:	LD50	> 2000 mg/kg (rat)
Inhalation:	LC50	> 5,28 mg/l/4h (rat)

Substance: Mixture of mineral oils

Oral:	LD50	> 5000 mg/kg (rat)
Dermal:	LD50	> 5000 mg/kg (rat)
Inhalation:	LC50	> 5 mg/l/4h (rat)

Corrosive/irritant effect on the skin

Not classified

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Severe eye damage / irritation

Not classified

Sensitisation of the respiratory tract / skin

Not classified

Germ cell mutagenicity

Not classified

Carcinogenicity

Not classified

Reproductive toxicity

Not classified

Specific target organ toxicity in case of single exposure

Not classified

Specific target organ toxicity in case of repeated exposure

Not classified

Aspiration hazard

Not classified.

Viscosity kinematic 40°C: 33,7 mm²/s

Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics:

Viscosity kinematic 20°C: 2,4 mm²/s

For blend of mineral oils:

Viscosity kinematic 40°C: < 20,5 mm²/s

Contains aliphatic, alicyclic or aromatic hydrocarbon.

Information on other hazards

No further information.

SECTION 12: Environmental information

12.1: Toxicity

Aquatic toxicity:

The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

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Substance: Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics

LC50 > 1000 mg/l (fish)
EC50 > 1000 mg/l (crustacea)
EC50 > 1000 mg/l/72h (algae)
NOEC 1,22 g/l/21d (crustacea)
NOEC 1000 mg/l (algae)

Substance: Mixture of mineral oils

LC50 > 100 mg/l (fish)
EC50 > 10000 mg/l (crustacea)
EC50 > 100 mg/l/72h (algae)
NOEC > 10 mg/l (crustacea)
NOEC > 10 mg/l (algae)

12.2: Persistence and degradability

Not rapidly degradable.

12.3: Bioaccumulative potential

No further information.

12.4: Mobility in soil

No further information.

12.5: Result of the PBT and vPvB assessment

Not applicable.

12.6: Endocrine disrupting properties

The product does not contain any substances with endocrine-disrupting properties.

12.7: Other adverse effects

No further information.

SECTION 13: Disposal considerations

The information in this section provides general advice and guidance. The list of identified uses in section 1 should be consulted for any application-specific information in the exposure scenarios.

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13.1: Waste treatment process

General recommendation:

Must be given special treatment in compliance with official regulations.

Must not be disposed of together with household waste. Do not allow to enter drains. Dispose of contents/container in accordance with licensed collector's sorting instructions.

European Waste Catalogue:

13 02 05* - mineral-based non-chlorinated engine, gear and lubricating oils

Uncleaned packaging:

Do not re-use empty containers. Dispose in accordance with official regulations.

SECTION 14: Transport information

14.1: UN-Number or ID-Number

According to ADR / IMDG / IATA not a dangerous good in the sense of the transport regulations.

14.2: Proper UN-shipping name

According to ADR / IMDG / IATA not a dangerous good in the sense of the transport regulations.

14.3: Transport hazard classes

According to ADR / IMDG / IATA not a dangerous good in the sense of the transport regulations.

14.4: Packaging group

According to ADR / IMDG / IATA not a dangerous good in the sense of the transport regulations.

14.5: Environmental hazards

Indicator of environmentally hazardous substances

ADR/RID/IMDG-Code Yes/No

ICAO-TI/IATA-DGR Yes/No

14.6: Special precautions for the user

No further information.

14.7: Carriage in bulk by sea in accordance with IMO instruments

No further information.

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SECTION 15: Legislation

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

CLP Regulation (EC) No 1272/2008

None of the substances included.

REACH Regulation (EC) No 1907/2006

None of the substances included.

RoHS Directive (2011/65/EU)

None of the substances included.

Seveso III Directive (2012/18/EU)

None of the substances included.

PIC Regulation (EU) No 649/2012

None of the substances included.

POP Regulation (EU) 2019/1021

None of the substances included.

Ozone Regulation (EC) No 1005/2009

None of the substances included.

Dual-Use Regulation (EU) 2021/821

None of the substances included.

VOC Directive 2004/42/EC

VOC content: 0%

Explosive Precursor Regulation (EU) 2019/1148

None of the substances included.

Drug Precursors Regulation (EC) No 273/2004

None of the substances included.

Storage class (TRGS 510)

LGK 10 - 13

Water hazard class

WGK 1 - Self-classification according to AwSV

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National Regulations (Netherlands)

ABM category: Z(1) - non-degradable substances with hazardous properties for humans and the environment

SZW list of carcinogenic / mutagenic / reprotoxic substances: None of the substances included.

15.2: Chemical safety assessment

A chemical safety assessment has not been conducted.

SECTION 16: Other notes

The information is based on the present state of our knowledge but does not represent any assurance of product properties and does not establish a contractual legal relationship. The classification of the mixture was made by calculation according to the rules of Annex I in Directive 1272/2008/EU.

16.1: Notes on changes

None.

16.2: Abbreviations and acronyms

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
CAS no.	Chemical Abstract Service - Number
CLP	Regulation on classification, labelling and packaging [Regulation (EC) No 1272/2008].
DMEL	Derived exposure level with minimal impairment
DNEL	Derived exposure level without impairment
EC50/EC100	Effective Concentration, resulting in 50/100% of organisms exhibiting a defined effect
EC no.	European Community Number
EN	European Standard
EUH phrase	CLP-specific hazard statement
GHS	Globally Harmonized System of Classification and Labelling of Chemicals
H phrase	Standardised hazard statement according to CLP/GHS
IARC	International Agency for Cancer Research
IATA	Association for International Air Transport
ICAO-TI	Technical instructions and guidelines by the International Civil Aviation Organisation
IMDG	Dangerous goods regulations for international maritime transport

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LC/LD	Lethal concentration/dose, resulting in the death of a specified percentage of organisms
LOEC/LOEL	Lowest observed effect concentration/level, resulting in a measurable effect
M-factor	Multiplier used for environmental hazard classification
NOAEC/NOAEL	No observed adverse effect concentration/level
NOEC/NOEL	No observed effect concentration/level
OECD	Organization for Economic Co-operation and Development
OEL	Occupational exposure limit
P phrase	Standardized precautionary statement according to CLP/GHS
PBT	Persistent, bioaccumulate and toxic substance
PNEC	Estimated non-effect concentration
REACH	Registration, Evaluation, Authorization and Restriction of Chemicals
SCL	Specific Concentration Limit
SDS	Safety data sheet
STEL	Short-term exposure limit
TRGS	Technical rules for hazardous substances
TAW	Time weighted average
RID	Regulations concerning the international carriage of dangerous goods by rail
VOC	Volatile organic compounds
vPvB	Very persistent and very bioaccumulative

16.3: Important literature references and data sources

No further information.

16.4: Classification of mixtures and assessment method used according to Regulation (EC) No. 1272/2008 [CLP]

No further information.

16.5: Wording of H and EUH phrases (number and full text)

H304	May be fatal if swallowed and enters airways.
EUH066	Repeated exposure may cause skin dryness or cracking.
EUH210	Safety data sheet available on request.

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16.6: Full text of the classifications [CLP/GHS]

Asp. Tox. 1

Aspiration hazard, category 1

16.7: Training advice

No further information.

16.8: Additional information

No further information.

Note for the reader:

To the best of our knowledge, the information contained here is correct. However, neither the above-named manufacturer nor its affiliates assume any liability as to the accuracy or completeness of the information provided. A final determination of the suitability of individual materials is the sole responsibility of the user. All materials may involve unknown risks and should be used with caution. While certain risks are described here, we cannot guarantee that these are the only possible risks.