

Safety Data Sheet

Production date: 03.12.2019

According to Regulation (EU) No 2015/830

1 Identification of the substance/preparation and of the company/undertaking

1.1	Product name	HIKOKI LUBRICATING OIL
	Product code:	714810
	Chemical name	Oxirane, 2-methyl-, polymer with oxirane, monobutyl ether
	Registration nr.	Registration is not required according to article 6.1 of Regulation (EC) No 1907/2006 (REACH).
	CAS nr.	9038-95-3
1.2	Relevant identified uses of the substance or mixture and uses advised against	
	Application	SU22 Professional use. For industrial or institutional use. PC24 Lubricants, greases and release products.
	Supplier:	Hikoki Power Tools Netherlands BV Brabanthaven 11 NL-3433 PJ Nieuwegein Tel.: +0031-(0)30-6084040
	Further information obtainable from:	Product safety department msds@Hikoki-accessories.eu
	Information in case of emergency:	0031 (0)30-6084040

2 Hazards identification

2.1	Classification of the substance or mixture	
	CLP classification (1272/2008/EC)	Not classified as dangerous according to Regulation (EC) No 1272/2008.
	Human health hazards	Low hazard for usual industrial or commercial handling
	Physical/chemical hazards	Not classified as dangerous according to statutory EC-Directives.
	Environmental hazards	Not classified as dangerous according to statutory EC-Directives.
2.2	Label elements (1272/2008/EC)	
	Hazard pictograms	None
	Signal word	Not applicable
	H- and P-phrases	None
	Labelling of packagings where the contents do not exceed 125 ml and it is technically impossible to list all phrases:	
	Hazard pictograms	None
	Signal word	Not applicable
	H- and P-phrases	None
2.3	Other hazards	Not classified as PBT or vPvB.
	Other information	

Safety Data Sheet

Production date: 03.12.2019

According to Regulation (EU) No 2015/830

3 Composition/information on ingredients

3.1 Substances

Product description

Substance. Not classified as PBT or vPvB. Not included in the EU list with SVHC substances.

Substance name	Concentration (w/w) (%)	CAS nr.	EC number	Remark	REACH nr.
Oxirane, 2-methyl-, polymer with oxirane, monobutyl ether	100	9038-95-3	-----		

Occupational exposure limit(s), if relevant, are listed in section 8.

Substance name	Hazard Class	H-phrases	Pictograms	
Oxirane, 2-methyl polymer with oxirane, monobutyl ether	-----	-----	-----	

A REACH number does not apply to this product. See point 1.1. Reference is made to chapter 16 for full text of each relevant H phrase.

4 First-aid measures

4.1 Description of first aid measures

First aid measures

- Inhalation

Move victim into fresh air. Consult a doctor if victim feels unwell.

- Skin contact

Take off contaminated clothing. Wash off skin with plenty of water and soap before product dries up.

- Eye contact

Wash out with (lukewarm) water. Remove contact lenses. Consult a doctor if irritation persists.

- Ingestion

Do not induce vomiting. Do rinse the mouth. Give one glass of water. Never give anything by mouth to an unconscious person. Consult a doctor if victim feels unwell.

4.2 Most important symptoms and effects, both acute and delayed

Effects and symptoms

- Inhalation

No specific effects and/or symptoms are known.

- Skin contact

No specific effects and/or symptoms are known.

- Eye contact

May cause stinging of eyes and redness.

- Ingestion

May cause a feeling of sickness, vomiting and diarrhoea

4.3 Indication of any immediate medical attention and special treatment needed

Note to physicians

- General

Call a poison control centre for guidance.

- Consider

Gastric lavage with protected airway.

Safety Data Sheet

Production date: 03.12.2019

According to Regulation (EU) No 2015/830

5 Fire-fighting measures

5.1 Extinguishing media

- **Suitable** Carbondioxide (CO₂). Foam. Dry chemical. Water fog.
- **Not suitable** Water jet.

5.2 Special hazards arising from the substance or mixture

- **Special exposure hazards** None known.
- **Hazardous thermal decomposition products** Carbon monoxide may be evolved if incomplete combustion occurs.

5.3 Advice for firefighters

- **Special protective equipment for fire-fighters** Use adequate respiratory equipment in case of insufficient ventilation.

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- **Personal precautions** Danger of slipping. Clean up spills immediately. Wear shoes with non-slip soles.

6.2 Environmental precautions

Avoid release of product into sewers, surface water and/or ground water. In case of large spills: contain with dike.

6.3 Methods and material for containment and cleaning up

- **Methods for cleaning up** Collect spilled material in containers. Absorb residues in sand or other inert material. Dispose at an authorised waste collection point. Wash away remainder with plenty of water and soap.

6.4 Reference to other sections

See also section 8.

7 Handling and storage

7.1 Precautions for safe handling

- **Handling:** Handle in accordance with good occupational hygiene and safety practices in well-ventilated areas. Avoid contact with skin and eyes.

7.2 Conditions for safe storage, including any incompatibilities

- **Storage** Keep in a cool, dry and well-ventilated place (< 35 °C).
- **Recommended packaging** Keep only in the original container.
- **Non recommended packaging** None known

7.3 Specific end use(s)

- **Use** Use only as directed.

8 Exposure controls/personal protection

8.1 Control parameters

· Occupational exposure limits

Occupational exposure limits have not been established for this product. Derived no-effect levels (DNEL) have not been established for this product. Predicted no-effect concentrations (PNEC) have not been established for this product.

8.2 Exposure controls

Engineering measures

Use only in well-ventilated areas. Comply with standard precautionary measures for working with chemicals.

Hygienic measures

When using do not eat, drink or smoke.

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 particular local situation.

Body protection

Use of specific protective industrial clothing is not required under normal conditions of use. In case of large scale exposure wear suitable protective clothing, overalls or suit, and similar boots. Suitable material: nitril.

Respiratory protection

Take care of sufficient ventilation

Hand protection

Under normal conditions of use specific gloves are not required. Wear appropriate gloves in case of frequent or prolonged use and in case of large scale exposure. Suitable material: nitril. ± 0,5 mm. Indication of permeation breakthrough time: 4 hours.

Eye protection :

Wear appropriate safety glasses when there is danger of possible eye contact.

Safety Data Sheet

Production date: 03.12.2019

According to Regulation (EU) No 2015/830

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	Liquid	
Colour	Light yellow	
Odour	Characteristic	
Odour threshold	Not known	
pH	Not applicable	Waterfree product
Solubility in water	Not soluble	
Partition coefficient (n- octanol/water)	Not applicable	
Flash point	> 200 °C	
Flammability (solid, gas)	Not applicable	Liquid. See flashpoint
Auto ignition temperature	> 300 °C	
Boiling point/boiling range	Not applicable.	Decomposes below the boiling point
Melting point/melting range	< -36 °C	
Explosive properties	Not an explosive	
Explosion limits (% in air)	Not known	
Oxidising properties	Not oxidizing	
Decomposition temperature	Not known	
Viscosity (20°C)	> 150 mm ² /sec	(1 mm ² /sec = 1cSt)
Viscosity (40°C)	135 - 150 mm ² /sec	
Vapour pressure (20°C)	< 100 Pa	
Vapour density (20°C)	< 1	The solvent content of this product is less than 1%
Relative density (20°C)	1,05 g/ml	
Evaporation rate	Not known	(n-butyl acetate = 1)
9.2 Other information	Not relevant	

10 Stability and reactivity

10.1 Reactivity	See sub-sections below
10.2 Chemical stability	Stable under normal conditions.
10.3 Possibility of hazardous reactions	
· Reactivity	No other hazardous reactions known.

Safety Data Sheet

Production date: 03.12.2019

According to Regulation (EU) No 2015/830

10.4 Conditions to avoid

See section 7

10.5 Incompatible materials

· Materials to avoid

No specific recommendations.

10.6 Hazardous decomposition products

Not known.

11 Toxicological information

11.1 Information on toxicological effects

Inhalation

· Acute toxicity:

ATE: > 5 mg/l. Low toxicity. Not classified - based on available data, the classification criteria are not met.

· Corrosion/irritation

Not classified - based on available data, the classification criteria are not met.

· Sensitisation

Not classified - based on available data, the classification criteria are not met.

· Carcinogenicity

Not expected to be carcinogenic. Not classified - based on available data, the classification criteria are not met.

· Mutagenicity

Not expected to be mutagenic. Not classified - based on available data, the classification criteria are not met.

· Reprotoxicity

Not expected to be reprotoxic. Development: Not classified - Based on available data, the classification criteria are not met.

Skin contact

· Acute toxicity

ATE: > 2000 mg/kg.bw. Low toxicity. Not classified - based on available data, the classification criteria are not met.

· Corrosion/irritation

No specific effects and/or symptoms are known. Not classified - based on available data, the classification criteria are not met.

· Sensitisation

Not classified - based on available data, the classification criteria are not met.

· Carcinogenicity

Not expected to be carcinogenic. Not classified - based on available data, the classification criteria are not met.

· Mutagenicity

Not expected to be mutagenic. Not classified - based on available data, the classification criteria are not met.

· Reprotoxicity

Not expected to be reprotoxic. Not classified - based on available data, the classification criteria are not met.

Safety Data Sheet

Production date: 03.12.2019

According to Regulation (EU) No 2015/830

Eye contact

· **Corrosion/irritation**

Slight irritation possible. Not classified - based on available data, the classification criteria are not met.

Ingestion

· **Acute toxicity**

ATE: > 2000 mg/kg.bw. Low toxicity. Not classified - based on available data, the classification criteria are not met.

· **Aspiration**

Not expected to be an aspiration hazard. Not classified - based on available data, the classification criteria are not met.

· **Corrosion/irritation**

May cause a feeling of sickness, vomiting and diarrhoea.

· **Carcinogenicity**

Not expected to be carcinogenic. Not classified - based on available data, the classification criteria are not met.

· **Mutagenicity**

Not expected to be mutagenic. Not classified - based on available data, the classification criteria are not met.

· **Reprotoxicity**

Development: Not expected to be reprotoxic. Development: Not classified - Based on available data, the classification criteria are not met. Fertility: not expected to be reprotoxic. Fertility: Not classified - based on available data, the classification criteria are not met.

Toxicological Information:

Chemical name	Property		Method	Test animal
Oxirane, 2-methyl-, polymer with oxirane, monobutyl ether	NOAEL (fertility, oral)	Not reprotoxic		
	NOAEL (fertility, inh.)	Not reprotoxic		
	NOAEL (fertility, dermal)	Not reprotoxic		
	NOAEL (development, oral)	Not teratogenic		
	NOAEL (developmental toxicity, inh.)	Not teratogenic		
	NOAEL (developmental toxicity, dermal)	Not teratogenic		
	NOEL (carcinogenicity, oral)	Not carcinogenic		
	NOEL (carcinogenicity, inh.)	Not carcinogenic		
	NOEL (carcinogenicity, dermal)	Not carcinogenic		
	Mutagenicity	Negative		
	Skin sensitisation	Not sensitizing		
	Eye irritation	Non-irritant		
	Skin irritation	Non-irritant		
	LC50 (inhalation)	> 5000 mg/m3		
LD50 (oral)	> 2000 mg/kg bw			Rat
LD50 (dermal)	> 2000 mg/kg bw			Rat

Safety Data Sheet

Production date: 03.12.2019

According to Regulation (EU) No 2015/830

12 Ecological information

12.1 Toxicity

Ecotoxicity

Calculated LC50 (fish): 100 mg/l. Calculated EC50 (waterflea): 100 mg/l. Contains 0 % of components with unknown hazards to the aquatic environment. Not classified - based on available data, the classification criteria are not met.

12.2 Persistence – degradability

No specific information known

12.4 Mobility in soil

Adsorbs to soil and has low mobility.

12.5 Results PBT/vPvB assessment

Not classified as PBT or vPvB.

12.6 Other adverse effects

Other information

Not applicable.

Ecological information:

Chemical name	Property		Method	Test animal
Oxirane, 2-methyl-, polymer with oxirane, monobutyl ether	Ultimate aerobic biodegradation (%)	< 60		
	LC50 (fish) - estimate	>100 mg/l		
	EC50 (waterflea) - estimate	>100 mg/l		
	Log P(ow)	NA		

13 Disposal considerations

13.1 Waste treatment methods

• **Product residues**

Do not dispose empty pack with waste produced by households. Containers may be recycled. Treat product residues and non-empty pack as chemical waste. Dispose waste to an official chemical waste depot.

• **Additional warning**

None.

• **Waste water discharge**

Do not dispose into the environment, in drains or in water courses.

• **Local legislation**

Disposal should be in accordance with applicable regional, national, and local laws and regulations. Local regulations may be more stringent than regional or national requirements and must be complied with.

Safety Data Sheet

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According to Regulation (EU) No 2015/830

14 Transport information

- 14.1 UN nr.** None.
- 14.2 Transport name** Not regulated.
- 14.3/14.4/14.5 Transport hazard class(es)/Packing group/Environmental hazards**
- ADR/RID/ADN (road/railway/inland waterways)**
- Class** This product is not classified according to ADR/RID/ADN.
- IMDG (sea) Class** This product is not classified according to IMDG.
- Marine pollutant** No
- IATA (air) Class** This product is not classified according to IATA.
- 14.6 Special precautions for user**
- Other information Country specific variations may apply.
- 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**
- Marpol** Not intended to be carried in bulk according to International Maritime Organisation (IMO) instruments. Packaged liquids are not considered bulk.

15 Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- Community regulations** Regulation (EU) No 2015/830 (REACH), Regulation (EC) No 1272/2008 (CLP) and other regulations.
- 15.2 · Chemical safety assessment** Not available.

16 Other information

16.1 Other information

The information in this safety data sheet is compiled in compliance with Regulation (EU) No 2015/830 dated 28 May 2015 and accurate to the best of our knowledge and experience at the date of issue specified. It is the user's obligation to use this product safely and to comply with all applicable laws and regulations concerning the use of the product. This safety data sheet complements the technical information sheets but does not replace them and offers no warranty with regard to product properties.

Users are also forewarned for any hazards involved when the product is used for other purposes than those for which it is designed.

Changed or new information with regard to the previous release is indicated with an asterisk (*)

Safety Data Sheet

Production date: 03.12.2019

According to Regulation (EU) No 2015/830

List of abbreviations and acronyms that could be (but not necessarily are) used in this safety data sheet:

• ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
• ATE	Acute Toxicity Estimate
• CLP	Classification, Labeling & Packaging
• CMR	Carcinogenic, Mutagenic or toxic for Reproduction
• EEC	European Economic Community
• GHS	Globally Harmonized System of Classification and Labelling of Chemicals
• IATA	International Air Transport Association
• IBC code	International Bulk Chemical Code
• IMDG	International Maritime Dangerous Goods Code
• LD50/LC50	Lethal Dose/Concentration for 50% of a population
• MAC	Maximum Allowable Concentration
• MARPOL	International Convention for the Prevention of Pollution From Ships
• NO(A)EL	No Observed (Adverse) Effect Level
• OECD	Organisation for Economic Co-operation and Development
• PBT	Persistent, Bioaccumulative and Toxic
• PC	Chemical product category
• PT	Product type
• REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
• RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
• STP	Sewage Treatment Plant
• SU	Sector of Use
• TWA/STEL	Time-Weighted Average/Short Term Exposure Limit
• UN	United Nations
• VOC	Volatile Organic Compounds
• vPvB	Very Persistent and Very Bioaccumulative

Key data used to compile the Safety Data Sheet are from, but not limited to, one or more sources of information e.g. toxicological data from material suppliers, CONCAWE, IFRA, CESIO, Regulation EG 1272/2008, etc.

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008:

Not classified

Based on test methods, experts judgement, bridging principles and calculation methods.