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# 29 CFR 1910.1200 (OSHA HazCom 2012)

# SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

# Product identifier

Trade name

: Kubota® SAE 15W-40 KUBOTA # 70000-10033 ENGINE OIL

# Recommended use of the chemical and restrictions on use

Details of the supplier of the safety data	Emergency telephone number
sheet	1-800-ASHLAND (1-800-274-5263)
Ashland	
P.O. Box 2219	Regulatory Information Number
Columbus, OH 43216	1-800-325-3751
United States of America	
	Product Information
	614-790-3333
EHS Customer Requests@ashland.com	

# **SECTION 2. HAZARDS IDENTIFICATION**

GHS Classification Eye irritation	: Category 2A
Reproductive toxicity	: Category 2
GHS Label element Hazard pictograms	
Signal Word	: Warning
Hazard Statements	: Causes serious eye irritation. Suspected of damaging fertility or the unborn child.
Precautionary Statements	<ul> <li>Prevention:</li> <li>Obtain special instructions before use.</li> <li>Do not handle until all safety precautions have been read and understood.</li> <li>Wash skin thoroughly after handling.</li> <li>Wear protective gloves/ protective clothing/ eye protection/ face protection.</li> <li>Response:</li> </ul>

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IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF exposed or concerned: Get medical advice/ attention. If eye irritation persists: Get medical advice/ attention. **Storage:** Store locked up. **Disposal:** Dispose of contents/ container to an approved waste disposal plant.

# Other hazards

None known.

# SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture	:	Mixture
---------------------	---	---------

Chemical nature	:	Defatter
-----------------	---	----------

# Hazardous components

Chemical Name	CAS-No.	Classification	Concentration (%)
DISTILLATES (PETROLEUM), SOLVENT-DEWAXED HEAVY PARAFFINIC	64742-65-0	Asp. Tox. 1; H304	8.30
HYDROTREATED LIGHT PARAFFINIC DISTILLATE	64742-55-8	Asp. Tox. 1; H304	1.62
ZINC DIALKYLDITHIOPHOSPHATE	93819-94-4	Skin Irrit. 2; H315 Eye Dam. 1; H318	1.11
DODECYLPHENOL, MIXED ISOMERS	121158-58-5	Skin Irrit. 2; H315 Eye Irrit. 2A; H319 Repr. 2; H361 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	0.16

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#### **SECTION 4. FIRST AID MEASURES** General advice : Move out of dangerous area. Call a POISON CENTRE or doctor/physician if exposed or vou feel unwell. Show this safety data sheet to the doctor in attendance. Do not leave the victim unattended. If inhaled : If breathed in, move person into fresh air. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician. In case of skin contact : Remove contaminated clothing. If irritation develops, get medical attention. If on skin, rinse well with water. Wash contaminated clothing before re-use. In case of eye contact : Immediately flush eye(s) with plenty of water. Remove contact lenses. Protect unharmed eye. If swallowed : Obtain medical attention. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Most important symptoms : Acute aspiration of large amounts of oil-laden material may and effects, both acute and produce a serious aspiration pneumonia. Patients who aspirate these oils should be followed for the development of delayed long-term sequelae. Repeated aspiration of small quantities of mineral oil can produce chronic inflammation of the lungs (i.e. lipoid pneumonia) that may progress to pulmonary fibrosis. Symptoms are often subtle and radiological changes appear worse than clinical abnormalities. Occasionally, persistent cough, irritation of the upper respiratory tract, shortness of breath with exertion, fever, and bloody sputum occur. Inhalation exposure to oil mists below current workplace exposure limits is unlikely to cause pulmonary abnormalities. Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: stomach or intestinal upset (nausea, vomiting, diarrhea) irritation (nose, throat, airways) Causes serious eye irritation. Suspected of damaging fertility or the unborn child. : No hazards which require special first aid measures. Notes to physician

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# SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Water spray Foam Carbon dioxide (CO2) Dry chemical
Unsuitable extinguishing media	:	High volume water jet
Specific hazards during firefighting	:	Do not allow run-off from fire fighting to enter drains or water courses.
Hazardous combustion products	:	carbon dioxide and carbon monoxide Hydrocarbons hydrogen sulfide zinc oxide Sulphur oxides mercaptans
Specific extinguishing methods	:	
		Product is compatible with standard fire-fighting agents.
Further information	:	Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
Special protective equipment for firefighters	:	In the event of fire, wear self-contained breathing apparatus.

# SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	:	Use personal protective equipment. Ensure adequate ventilation. Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.
Environmental precautions	:	Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.
Methods and materials for containment and cleaning up	:	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal.

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Other information : Comply with all applicable federal, state, and local regulations.

# SECTION 7. HANDLING AND STORAGE

Advice on safe handling	<ul> <li>Do not breathe vapours/dust.</li> <li>Do not smoke.</li> <li>Container hazardous when empty.</li> <li>Avoid contact with skin and eyes.</li> <li>Smoking, eating and drinking should be prohibited in the application area.</li> <li>For personal protection see section 8.</li> <li>Dispose of rinse water in accordance with local and national regulations.</li> </ul>
Conditions for safe storage	<ul> <li>Keep container tightly closed in a dry and well-ventilated place.</li> <li>Containers which are opened must be carefully resealed and kept upright to prevent leakage.</li> <li>Observe label precautions.</li> <li>Electrical installations / working materials must comply with the technological safety standards.</li> </ul>

# SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

# Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
DISTILLATES (PETROLEUM), SOLVENT-DEWAXED HEAVY PARAFFINIC	64742-65-0	PEL	500 ppm 2,000 mg/m3	OSHA_TRA NS
		REL	5 mg/m3 Mist.	NIOSH/GUID E
		STEL	10 mg/m3 Mist.	NIOSH/GUID E
		PEL	5 mg/m3 Mist.	OSHA_TRA NS
		TWA	5 mg/m3 Mist.	Z1A
		TWA	400 ppm 1,600 mg/m3	Z1A
HYDROTREATED LIGHT PARAFFINIC DISTILLATE	64742-55-8	REL	5 mg/m3 Mist.	NIOSH/GUID E
		STEL	10 mg/m3 Mist.	NIOSH/GUID E
		PEL	5 mg/m3	OSHA_TRA

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		Mist.	NS	
Engineering measures	ventilation to mainta	echanical (general and/ in exposure below expo levels that cause know fects.	sure guidelines (if	
Personal protective equipmen	t			
Respiratory protection	cartridge and/or filte circumstances wher exceed exposure lin otherwise been dete purifying respirators supplied respirator in release, exposure le	air-purifying respirator w r may be permissible ur e airborne concentration hits (if applicable) or if o ermined. Protection pro- is limited. Use a positive there is any potential fu- evels are not known or a e an air-purifying respira- otection.	nder certain ns are expected to verexposure has vided by air- ve pressure, air- or uncontrolled ny other	
Hand protection Remarks		specific workplace shou f the protective gloves.	ld be discussed	
Eye protection		sh goggles when there i s to liquid, vapor or mist		
Skin and body protection	concentration of the	e: tion according to the an dangerous substance a es (consult your safety e	at the work place.	
Hygiene measures	: Wash hands before When using do not e When using do not s		of workday.	

# SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	: liquid
Odour	: No data available
Odour Threshold	: No data available
рН	: No data available
Melting point/freezing point	: No data available
Boiling point/boiling range	: No data available

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Flash point	:	> 390 °F / > 199 °C Method: Cleveland open cup
Evaporation rate	:	No data available
Flammability (solid, gas)	:	No data available
Upper explosion limit	:	6 %(V) GLP: Calculated Explosive Limit
Lower explosion limit	:	1 %(V) GLP: Calculated Explosive Limit
Vapour pressure	:	0.055 hPa (20 °C) Calculated Vapor Pressure
Relative vapour density	:	No data available
Relative density	:	No data available
Density	:	No data available
Solubility(ies) Water solubility	:	No data available
Solubility in other solvents	:	No data available
Partition coefficient: n- octanol/water	:	No data available
Thermal decomposition	:	No data available
Viscosity Viscosity, dynamic	:	No data available
Viscosity, kinematic	:	> 20.5 mm2/s (40 °C)
Oxidizing properties	:	No data available

# SECTION 10. STABILITY AND REACTIVITY

Reactivity	: No decomposition if stored and applied as directed.
Chemical stability	: Stable under recommended storage conditions.
Possibility of hazardous reactions	: Product will not undergo hazardous polymerization.
Conditions to avoid	: excessive heat

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Incompatible materials

: Strong oxidizing agents

Hazardous decomposition products

carbon dioxide and carbon monoxide Hydrocarbons hydrogen sulfide Sulphur oxides zinc oxide fumes mercaptans

# **SECTION 11. TOXICOLOGICAL INFORMATION**

Information on likely routes of exposure	: Inhalation Skin contact Eye Contact Ingestion
· · · · · · · · · · · · · · · · · · ·	e information. SOLVENT-DEWAXED HEAVY PARAFFINIC: : LD 50 (Rat): > 5,000 mg/kg
Acute dermal toxicity	: LD 50 (Rabbit): > 5,000 mg/kg
ZINC DIALKYLDITHIOPHOSPH Acute oral toxicity	IATE <b>:</b> : LD 50 (Rat): 2,600 mg/kg
Skin corrosion/irritation Not classified based on available <u>Product:</u> Remarks: May cause skin irritati Result: Repeated exposure may	

<u>Components:</u> DISTILLATES (PETROLEUM), SOLVENT-DEWAXED HEAVY PARAFFINIC: Result: Mildly irritating to skin

HYDROTREATED LIGHT PARAFFINIC DISTILLATE: Result: Mildly irritating to skin

ZINC DIALKYLDITHIOPHOSPHATE: Result: Irritating to skin

DODECYLPHENOL, MIXED ISOMERS: Result: Irritating to skin

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#### Serious eye damage/eye irritation

Causes serious eye irritation.

#### Product:

Remarks: Vapours may cause irritation to the eyes, respiratory system and the skin., Causes serious eye irritation.

#### Components:

DISTILLATES (PETROLEUM), SOLVENT-DEWAXED HEAVY PARAFFINIC: Result: Mildly irritating to eyes

HYDROTREATED LIGHT PARAFFINIC DISTILLATE: Result: Mildly irritating to eyes

ZINC DIALKYLDITHIOPHOSPHATE: Result: Corrosive to eyes

DODECYLPHENOL, MIXED ISOMERS: Result: Irritating to eyes

#### Respiratory or skin sensitisation

Skin sensitisation: Not classified based on available information. Respiratory sensitisation: Not classified based on available information. Germ cell mutagenicity Not classified based on available information. Carcinogenicity Not classified based on available information. Reproductive toxicity Suspected of damaging fertility or the unborn child. Components: DODECYLPHENOL, MIXED ISOMERS: Reproductive toxicity - : Suspected of damaging fertility. Assessment

STOT - single exposure
Not classified based on available information.
STOT - repeated exposure
Not classified based on available information.
Aspiration toxicity
Not classified based on available information.
<u>Components:</u>
DISTILLATES (PETROLEUM), SOLVENT-DEWAXED HEAVY PARAFFINIC:
May be fatal if swallowed and enters airways.

HYDROTREATED LIGHT PARAFFINIC DISTILLATE: May be fatal if swallowed and enters airways.

#### Further information Product:

Remarks: No data available

Carcinogenicity: IARC

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed

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human carcinogen by IA	RC.

OSHA	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
NTP	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

# **SECTION 12. ECOLOGICAL INFORMATION**

Ecotoxicity ZINC DIALKYLDITHIOPHOSP	νματει
Toxicity to fish	<ul> <li>LL50 (Oncorhynchus mykiss (rainbow trout)): 4.5 mg/l</li> <li>Exposure time: 96 h</li> <li>Test Type: semi-static test</li> </ul>
Toxicity to daphnia and other aquatic invertebrates	<ul> <li>EC 50 (Water flea (Daphnia magna)): 5.4 mg/l</li> <li>Exposure time: 48 h</li> <li>Test Type: static test</li> </ul>
Toxicity to algae	<ul> <li>EC 50 (Selenastrum capricornutum (green algae)): 2.1 mg/l End point: Growth inhibition Exposure time: 72 h Test Type: static test</li> </ul>
DODECYLPHENOL, MIXED IS	SOMERS:
M-Factor (Acute aquatic toxicity)	: 1
M-Factor (Chronic aquatic toxicity)	: 1
Ecotoxicology Assessment Acute aquatic toxicity	: Very toxic to aquatic life.
Chronic aquatic toxicity	: Very toxic to aquatic life with long lasting effects.
Persistence and degradabilit ZINC DIALKYLDITHIOPHOSP Biodegradability	
<b>Bioaccumulative potential</b> ZINC DIALKYLDITHIOPHOSP Partition coefficient: n-	PHATE: : log Pow: 0.59 - 1.2 (23 °C)

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octanol/water	

# **Mobility in soil** No data available

# Other adverse effects

No data available

# Product:

Additional ecological	: An environmental hazard cannot be excluded in the event of
information	unprofessional handling or disposal., Harmful to aquatic life
	with long lasting effects.

# SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods	
General advice	<ul> <li>The product should not be allowed to enter drains, water courses or the soil.</li> <li>Do not contaminate ponds, waterways or ditches with chemical or used container.</li> <li>Send to a licensed waste management company.</li> <li>Dispose of in accordance with all applicable local, state and federal regulations.</li> </ul>
Contaminated packaging	<ul> <li>Empty remaining contents.</li> <li>Dispose of as unused product.</li> <li>Empty containers should be taken to an approved waste handling site for recycling or disposal.</li> <li>Do not re-use empty containers.</li> </ul>

# **SECTION 14. TRANSPORT INFORMATION**

# International transport regulations

#### REGULATION

ID NUMBER	PROPER SHIPPING NAME	*HAZARD	SUBSIDIARY	PACKING	MARINE
		CLASS	HAZARDS	GROUP	POLLUTANT /
					LTD. QTY.

# U.S. DOT - ROAD

Not dangerous goods	

# U.S. DOT - RAIL

Not dangerous goods

# U.S. DOT - INLAND WATERWAYS

Not dangerous goods

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# TRANSPORT CANADA - ROAD

Not dangerous goods

#### **TRANSPORT CANADA - RAIL**

Not dangerous goods

#### TRANSPORT CANADA - INLAND WATERWAYS

Not dangerous goods

#### INTERNATIONAL MARITIME DANGEROUS GOODS

Not dangerous goods

#### INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO

Not dangerous goods

# INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER

Not dangerous goods

# MEXICAN REGULATION FOR THE LAND TRANSPORT OF HAZARDOUS MATERIALS AND WASTES

Not dangerous goods

# \*ORM = ORM-D, CBL = COMBUSTIBLE LIQUID

Marine pollutant

Dangerous goods descriptions (if indicated above) may not reflect quantity, end-use or region-specific exceptions that can be applied. Consult shipping documents for descriptions that are specific to the shipment.

# **SECTION 15. REGULATORY INFORMATION**

#### EPCRA - Emergency Planning and Community Right-to-Know Act

no

#### **CERCLA Reportable Quantity**

Components	CAS-No.	Component RQ	Calculated product RQ
		(lbs)	(lbs)
ARSENIC	7440-38-2	1	62500

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SARA 311/312	Hazards	Acute Health Hazard Chronic Health Hazard			
SARA 313 Cor	nponent(s)	ZINC BIS[O-(6- METHYLHELPTYL)]BIS[O -SEC- BUTYL)]BIS(DITHIOPHOS PATE)	93819-94-4	1.11 %	
Pennsylvania	Right To Know HEAVY PARAF	FINIC DISTILLATE	64742-54-7	90.00 -	
	LUBRICANT AD		Not Assigned	100.00 % 10.00 - 20.00 %	
		PETROLEUM), SOLVENT- AVY PARAFFINIC	64742-65-0	5.00 - 10.00 %	
	HYDROTREATI DISTILLATE	ED LIGHT PARAFFINIC	64742-55-8	1.00 - 5.00 %	
New Jersey Ri		FINIC DISTILLATE	64742-54-7	90.00 -	
			Not Assigned	100.00 % 10.00 - 20.00 %	
		PETROLEUM), SOLVENT- AVY PARAFFINIC	64742-65-0	5.00 - 10.00 %	
	HYDROTREATI DISTILLATE	ED LIGHT PARAFFINIC	64742-55-8	1.00 - 5.00 %	
	ZINC DIALKYLDITHIOPHOSPHATE		93819-94-4	1.00 - 5.00 %	
California Pro The component TSCA		Proposition 65 warnings are based on the results of a ris ct are reported in the follow On TSCA Inventory	sk assessment.	this product	
DSL	:	All components of this prod	uct are on the Ca	nadian DSL.	
AUSTR	:	On the inventory, or in com	pliance with the in	ventory	
NZIOC	:	On the inventory, or in com	pliance with the in	ventory	
ENCS	:	Not in compliance with the i	nventory		
KECL	:	On the inventory, or in com	pliance with the inventory		
PICCS	: On the inventory, or in comp		pliance with the inventory		

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IECSC

: On the inventory, or in compliance with the inventory

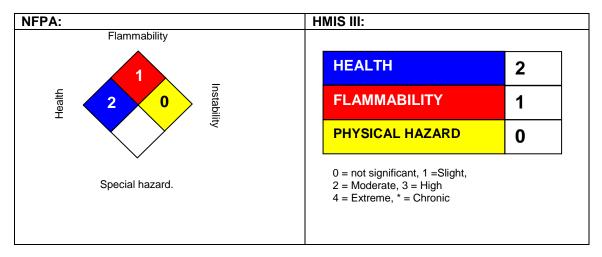
#### Inventories

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIOC (New Zealand), PICCS (Philippines), TSCA (USA)

#### **SECTION 16. OTHER INFORMATION**

#### Further information

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# NFPA Flammable and Combustible Liquids Classification

Combustible Liquid Class IIIB

#### Full text of H-Statements referred to under sections 2 and 3.

H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H361	Suspected of damaging fertility or the unborn child.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Sources of key data used to compile the Safety Data Sheet

Ashland internal data including own and sponsored test reports

The UNECE administers regional agreements implementing harmonised classification for labelling (GHS) and transport.

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the

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information is current, applicable, and suitable to their circumstances. This SDS has been prepared by Ashland's Environmental Health and Safety Department (1-800-325-3751).

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

ACGIH : American Conference of Industrial Hygienists

BEI : Biological Exposure Index

CAS : Chemical Abstracts Service (Division of the American Chemical Society).

CMR : Carcinogenic, Mutagenic or Toxic for Reproduction

FG : Food grade

GHS : Globally Harmonized System of Classification and Labeling of Chemicals.

H-statement : Hazard Statement

IATA : International Air Transport Association.

IATA-DGR : Dangerous Goods Regulation by the "International Air Transport Association" (IATA).

ICAO : International Civil Aviation Organization

ICAO-TI (ICAO) : Technical Instructions by the "International Civil Aviation Organization"

IMDG : International Maritime Code for Dangerous Goods

ISO : International Organization for Standardization

logPow : octanol-water partition coefficient

LCxx : Lethal Concentration, for xx percent of test population

LDxx : Lethal Dose, for xx percent of test population.

ICxx : Inhibitory Concentration for xx of a substance

Ecxx : Effective Concentration of xx

N.O.S.: Not Otherwise Specified

OECD : Organization for Economic Co-operation and Development

OEL : Occupational Exposure Limit

P-Statement : Precautionary Statement

PBT : Persistent , Bioaccumulative and Toxic

PPE : Personal Protective Equipment

STEL : Short-term exposure limit

STOT : Specific Target Organ Toxicity

TLV : Threshold Limit Value

TWA : Time-weighted average

vPvB : Very Persistent and Very Bioaccumulative

WEL : Workplace Exposure Level

CERCLA : Comprehensive Environmental Response, Compensation, and Liability Act

DOT : Department of Transportation

FIFRA : Federal Insecticide, Fungicide, and Rodenticide Act

HMIRC : Hazardous Materials Information Review Commission

HMIS : Hazardous Materials Identification System

NFPA : National Fire Protection Association

NIOSH : National Institute for Occupational Safety and Health

OSHA : Occupational Safety and Health Administration

PMRA : Health Canada Pest Management Regulatory Agency

RTK : Right to Know

WHMIS : Workplace Hazardous Materials Information System