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29 CFR 1910.1200 (OSHA HazCom 2012)

# **SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

**Product identifier** 

Trade name : Kubota® 80W-90 GEAR LUBRICANT HD

**GEAR LUBE** 

#### Recommended use of the chemical and restrictions on use

Details of the supplier of the safety data sheet	Emergency telephone number 1-800-VALVOLINE
Valvoline LLC 3499 Blazer Parkway Lexington, KY 40509	Regulatory Information Number 1-800-TEAMVAL
United States of America	Product Information 1-800-TEAMVAL
SDS@valvoline.com	

# **SECTION 2. HAZARDS IDENTIFICATION**

# **GHS Classification**

This material is not considered hazardous under the OSHA Hazard Communication Standard (HazCom 2012).

# **GHS Label element**

This material is not considered hazardous under the OSHA Hazard Communication Standard (HazCom 2012).

#### Other hazards

None known.

# **SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Substance / Mixture : Mixture

Chemical nature : Defatter

# **Hazardous components**

Chemical Name	CAS-No.	Classification	Concentration (%)
RESIDUAL OILS (PETROLEUM),	64742-62-7	Not a hazardous	27.30
SOLVENT-DEWAXED		substance or mixture.	

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#### **SECTION 4. FIRST AID MEASURES**

General advice : No hazards which require special first aid measures.

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 : First aid is not normally required. However, it is

recommended that exposed areas be cleaned by washing

with soap and water.

In case of eye contact : Remove contact lenses.

Protect unharmed eye.

If swallowed : 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 and effects, both acute and

delayed

: No symptoms known or expected.

Notes to physician : No hazards which require special first aid measures.

# **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

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

Specific extinguishing

methods

:

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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 : 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

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

respective authorities.

Methods and materials for containment and cleaning up

Other information

: Soak up with inert absorbent material (e.g. sand, silica gel,

acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal.

### **SECTION 7. HANDLING AND STORAGE**

Advice on safe handling : Smoking, eating and drinking should be prohibited in the

application area.

For personal protection see section 8.

Conditions for safe storage : Containers which are opened must be carefully resealed and

kept upright to prevent leakage.

Electrical installations / working materials must comply with

the technological safety standards.

Materials to avoid : No materials to be especially mentioned.

### **SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

#### Components with workplace control parameters

Components	CAS-No.	Value type	Control	Basis
		(Form of	parameters /	
		exposure)	Permissible	
			concentration	

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RESIDUAL OILS (PETROLEUM), SOLVENT- DEWAXED	64742-62-7	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

**Engineering measures** : General room ventilation should be adequate for normal

conditions of use. However, if unusual operating conditions exist, provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known,

suspected or apparent adverse effects.

# Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally

required.

Eye protection : Not required under normal conditions of use. Wear splash-

proof safety goggles if material could be misted or splashed

into eyes.

Skin and body protection : Wear as appropriate:

Safety shoes

Wear resistant gloves (consult your safety equipment

supplier).

Hygiene measures : General industrial hygiene practice.

### **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Physical state : liquid

Odour : No data available

Odour Threshold : No data available

pH : No data available

Melting point/freezing point : No data available

Boiling point/boiling range : No data available

Flash point :  $> 390 \, ^{\circ}\text{F} \, / > 199 \, ^{\circ}\text{C}$ 

Method: Cleveland open cup

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Evaporation rate : No data available

Flammability (solid, gas) : No data available

Upper explosion limit : No data available

Lower explosion limit : No data available

Vapour pressure : No data available

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 : No data available

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.

Incompatible materials : Strong oxidizing agents

Hazardous decomposition

products No hazardous decomposition products are known.

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### **SECTION 11. TOXICOLOGICAL INFORMATION**

Information on likely routes of : Inhalation

exposure

Innalation
Skin contact

Eye Contact Ingestion

**Acute toxicity** 

Not classified based on available information.

**Components:** 

RESIDUAL OILS (PETROLEUM), SOLVENT-DEWAXED:
Acute oral toxicity : LD 50 (Rat): > 5,000 mg/kg

Acute inhalation toxicity : LC50 (Rat): > 5.58 mg/l

Exposure time: 4 h

Test atmosphere: dust/mist

Assessment: Not classified as acutely toxic by inhalation

under GHS.

Remarks: No mortality observed at this dose.

Acute dermal toxicity : LD 50 (Rabbit): > 5,000 mg/kg

Remarks: No mortality observed at this dose.

LD 50 (Rabbit): > 2,000 mg/kg

Assessment: Not classified as acutely toxic by dermal

absorption under GHS.

#### Skin corrosion/irritation

Not classified based on available information.

#### **Product:**

Result: Repeated exposure may cause skin dryness or cracking.

#### Components:

RESIDUAL OILS (PETROLEUM), SOLVENT-DEWAXED:

Species: Rabbit

Result: Not irritating to skin

# Serious eye damage/eye irritation

Not classified based on available information.

**Product:** 

Remarks: Unlikely to cause eye irritation or injury.

# Components:

RESIDUAL OILS (PETROLEUM), SOLVENT-DEWAXED:

Species: Rabbit

Result: Not irritating to eyes

# Respiratory or skin sensitisation

Skin sensitisation: Not classified based on available information.

Respiratory sensitisation: Not classified based on available information.

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### **Components:**

RESIDUAL OILS (PETROLEUM), SOLVENT-DEWAXED:

Test Type: Buehler Test Species: Guinea pig

Assessment: Does not cause skin sensitisation.

# Germ cell mutagenicity

Not classified based on available information.

# Carcinogenicity

Not classified based on available information.

### Reproductive toxicity

Not classified based on available information.

# 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.

#### **Product:**

No aspiration toxicity classification

### **Components:**

RESIDUAL OILS (PETROLEUM), SOLVENT-DEWAXED:

No aspiration toxicity classification

#### **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

human carcinogen by IARC.

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**

# **Components:**

RESIDUAL OILS (PETROLEUM), SOLVENT-DEWAXED:

Toxicity to fish : LL50 (Pimephales promelas (fathead minnow)): > 100 mg/l

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Exposure time: 96 h Test Type: static test Test substance: WAF

Method: OECD Test Guideline 203

Remarks: No toxicity at the limit of solubility

Toxicity to daphnia and other

aquatic invertebrates

: EL50 (Daphnia magna (Water flea)): > 10,000 mg/l

Exposure time: 48 h Test Type: static test Test substance: WAF

Method: OECD Test Guideline 202

Toxicity to algae : NOEL (Pseudokirchneriella subcapitata (green algae)): >=

100 mg/l

End point: Growth inhibition Exposure time: 72 h

Test Type: static test Test substance: WAF

Method: OECD Test Guideline 201

Toxicity to fish (Chronic

toxicity)

: NOELR (Oncorhynchus mykiss (rainbow trout)): Calculated >=

1,000 mg/l

Exposure time: 14 d

Toxicity to daphnia and other

aquatic invertebrates (Chronic toxicity)

: NOEL (Daphnia (water flea)): 10 mg/l

Exposure time: 21 d Test substance: WAF

Method: OECD Test Guideline 211

# Persistence and degradability

# **Components:**

RESIDUAL OILS (PETROLEUM), SOLVENT-DEWAXED:

Biodegradability : Result: Not readily biodegradable.

Biodegradation: 2 - 4 % Exposure time: 28 d

Method: OECD Test Guideline 301B

# **Bioaccumulative potential**

# **Components:**

No data available

# Mobility in soil

# **Components:**

No data available

# Other adverse effects

No data available

# **Product:**

Additional ecological : An environmental hazard cannot be excluded in the event of

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information unprofessional handling or disposal., Harmful to aquatic life

with long lasting effects.

Components:

# **SECTION 13. DISPOSAL CONSIDERATIONS**

**Disposal methods** 

General advice : The product should not be allowed to enter drains, water

courses or the soil.

Dispose of in accordance with all applicable local, state and

federal regulations.

Contaminated packaging : Empty remaining contents.

Dispose of as unused product.

Empty containers should be taken to an approved waste

handling site for recycling or disposal.

# **SECTION 14. TRANSPORT INFORMATION**

# International transport regulations

#### **REGULATION**

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

# MX\_DG

Not dangerous goods	

# INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER

Not dangerous goo	ds

# INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO

INTERNATIONAL AIR TRANSPORT ASSOCIATION SA	ANGO
Not dangerous goods	

# INTERNATIONAL MARITIME DANGEROUS GOODS

Not dangerous goods	

# TDG\_INWT\_C

150	
	Not dangerous goods

# TDG\_RAIL\_C

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Not dangerous goods	

# TDG\_ROAD\_C

Not dangerous goods

# **U.S. DOT - INLAND WATERWAYS**

Not dangerous goods	

# CFR\_RAIL\_C

Not dangerous goods

### **U.S. DOT - ROAD**

	Not dangerous goods	

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

Marine pollutant	no

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**

SARA 311/312 Hazards : No SARA Hazards

SARA 313 Component(s)SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Pennsylvania Right To Know

HEAVY PARAFFINIC DISTILLATE 64742-54-7 50.00 - 70.00 %

RESIDUAL OILS (PETROLEUM), 64742-62-7 20.00 - 30.00 %

**SOLVENT-DEWAXED** 

**New Jersey Right To Know** 

HEAVY PARAFFINIC DISTILLATE 64742-54-7 50.00 - 70.00 %

RESIDUAL OILS (PETROLEUM), 64742-62-7 20.00 - 30.00 %

**SOLVENT-DEWAXED** 

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MINERAL OIL Not Assigned 1.00 - 5.00 %

DISTILLATES (PETROLEUM), SOLVENT- 64742-65-0 0.10 - 1.00 %

DEWAXED HEAVY PARAFFINIC

California Prop 65 Proposition 65 warnings are not required for this product

based on the results of a risk assessment.

The components of this product are reported in the following inventories:

TSCA : On TSCA Inventory

DSL : All components of this product are on the Canadian DSL.

AUSTR : Not in compliance with the inventory

ENCS : Not in compliance with the inventory

KECL : Not in compliance with the inventory

PICCS : Not in compliance with the inventory

IECSC : Not in compliance with the inventory

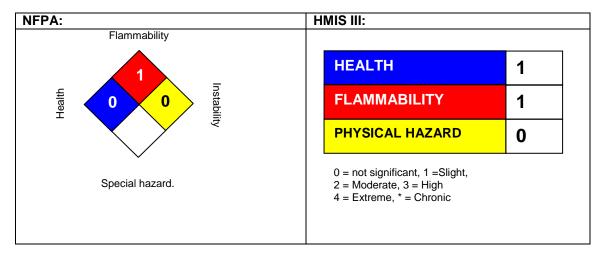
#### **Inventories**

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

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

H302 Harmful if swallowed.

#### **Further information**

Sources of key data used to compile the Safety Data Sheet Valvoline 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 information is current, applicable, and suitable to their circumstances. This SDS has been prepared by Valvoline's Environmental Health and Safety Department (1-800-825-8654).

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

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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