

MaxLife™ DEX/MERC Synthetic Automatic Transmission Fluid

Version: 1.19 Revision Date: 06/03/2020 Print Date: 08/04/2020

29 CFR 1910.1200 (OSHA HazCom 2012)

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Trade name : MaxLife™ DEX/MERC Synthetic Automatic Transmission

Fluid

Product code : 773775

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

Recommended use : Lubricant

Details of the supplier of the safety data sheet

Valvoline LLC 100 Valvoline Way Lexington, KY 40509 United States of America (USA)

1-800-TEAMVAL (1-800-832-6825)

SDS@valvoline.com

Emergency telephone number

1-800-VALVOLINE (1-800-825-8654)

Regulatory Information Number 1-800-TEAMVAL (1-800-832-6825)

Product Information

1-800-TEAMVAL (1-800-832-6825)

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Not a hazardous substance or mixture.

GHS label elements

Not a hazardous substance or mixture.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Hazardous components

Chemical name	CAS-No.	Classification	Concentration (%)	
Distillates (Petroleum),	64742-54-7	Asp. Tox. 1; H304	>=60.00 - < 70.00	
Hydrotreated Heavy Paraffinic				

Valvoline,

SAFETY DATA SHEET

MaxLife™ DEX/MERC Synthetic Automatic Transmission Fluid

Version: 1.19 Revision Date: 06/03/2020 Print Date: 08/04/2020

DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC		Not a hazardous substance or mixture.	>=15.00 - < 20.00
HYDROTREATED LIGHT PARAFFINIC DISTILLATE	64742-55-8	Asp. Tox. 1; H304	>=1.50 - < 5.00
DODECYL HYDROXYPROPYL SULFIDE	67124-09-8	Skin Sens. 1; H317	>=0.10 - < 0.50

Actual concentration is withheld as a trade secret

SECTION 4. FIRST AID MEASURES

General advice : Do not leave the victim unattended.

Show this safety data sheet to the doctor in attendance.

Move out of dangerous area.

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 : Wash contaminated clothing before re-use.

First aid is not normally required. However, it is

recommended that exposed areas be cleaned by washing

with soap and water.

If on skin, rinse well with water.

Remove contaminated clothing. If irritation develops, get

medical attention.

In case of eye contact : If eye irritation persists, consult a specialist.

Protect unharmed eye. Remove contact lenses.

Flush eyes with water as a precaution.

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

Valvoline_{IN}

SAFETY DATA SHEET

MaxLife™ DEX/MERC Synthetic Automatic Transmission Fluid

Version: 1.19 Revision Date: 06/03/2020 Print Date: 08/04/2020

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

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 : Persons not wearing protective equipment should be excluded

from area of spill until clean-up has been completed.

Use personal protective equipment.

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.

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

SECTION 7. HANDLING AND STORAGE

Advice on safe handling : Dispose of rinse water in accordance with local and national

Valvoline_{TM}

SAFETY DATA SHEET

MaxLife™ DEX/MERC Synthetic Automatic Transmission Fluid

Version: 1.19 Revision Date: 06/03/2020 Print Date: 08/04/2020

regulations.

For personal protection see section 8.

Smoking, eating and drinking should be prohibited in the application area.

Avoid contact with skin and eyes.

Avoid exposure - obtain special instructions before use.

Container hazardous when empty.

Persons susceptible to skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Do not smoke.

Do not breathe vapours/dust.

Conditions for safe storage

: Containers which are opened must be carefully resealed and

kept upright to prevent leakage.

Keep container tightly closed in a dry and well-ventilated place.

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), Hydrotreated Heavy Paraffinic	64742-54-7	TWA	5 mg/m3 Mist	OSHA Z-1
		TWA	5 mg/m3 Inhalable particulate matter	ACGIH
		TWA	5 mg/m3 Mist	OSHA P0
		TWA	5 mg/m3 Mist	NIOSH REL
		ST	10 mg/m3 Mist	NIOSH REL
		PEL	5 mg/m3 particulate	CAL PEL
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC	64742-54-7	TWA	5 mg/m3 Mist	OSHA Z-1
		TWA	5 mg/m3 Inhalable particulate matter	ACGIH
		TWA	5 mg/m3 Mist	OSHA P0



MaxLife™ DEX/MERC Synthetic Automatic Transmission Fluid

Version: 1.19 Revision Date: 06/03/2020 Print Date: 08/04/2020

		TWA	5 mg/m3 Mist	NIOSH REL
		ST	10 mg/m3 Mist	NIOSH REL
		PEL	5 mg/m3 particulate	CAL PEL
HYDROTREATED LIGHT PARAFFINIC DISTILLATE	64742-55-8	TWA	5 mg/m3 Mist	OSHA Z-1
		TWA	5 mg/m3 Inhalable particulate matter	ACGIH
		TWA	5 mg/m3 Mist	OSHA P0
		TWA	5 mg/m3 Mist	NIOSH REL
		ST	10 mg/m3 Mist	NIOSH REL
		PEL	5 mg/m3 particulate	CAL PEL

Engineering measures

: 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

Respiratory protection is not required under normal conditions

of use.

No personal respiratory protective equipment normally

required.

Hand protection

Remarks : The suitability for a specific workplace should be discussed

with the producers of the protective gloves.

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 resistant gloves (consult your safety equipment

supplier).

Discard gloves that show tears, pinholes, or signs of wear. Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Safety shoes Impervious clothing Wear as appropriate:

Hygiene measures : Wash hands before breaks and at the end of workday.



MaxLife™ DEX/MERC Synthetic Automatic Transmission Fluid

Version: 1.19 Revision Date: 06/03/2020 Print Date: 08/04/2020

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid

Colour : red

Odour : mild

Odour Threshold : No data available

pH : No data available

Melting point/freezing point : No data available

Boiling point/boiling range : $> 424 \, ^{\circ}\text{F} / 218 \, ^{\circ}\text{C}$

(1013 hPa)

Flash point : 394 - 480 °F / 201 - 249 °C

Method: Cleveland open cup

Evaporation rate : < 1

Ethyl Ether

Flammability (solid, gas) : No data available

Self-ignition : No data available

Upper explosion limit / Upper

flammability limit

No data available

Lower explosion limit / Lower :

flammability limit

No data available

Vapour pressure : 1 hPa

Calculated Vapor Pressure

Relative vapour density : > 1

AIR=1

Relative density : No data available

Density : 0.850 g/cm3 (60.01 °F / 15.56 °C)

Solubility(ies)

Valvoline

SAFETY DATA SHEET

MaxLife™ DEX/MERC Synthetic Automatic Transmission Fluid

Revision Date: 06/03/2020 Version: 1.19 Print Date: 08/04/2020

Water solubility : No data available

Solubility in other solvents No data available

Partition coefficient: n-

octanol/water

No data available

Decomposition temperature No data available

Viscosity

: No data available Viscosity, dynamic

28.8 mm2/s (104 °F / 40 °C) Viscosity, kinematic

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

Incompatible materials : Strong oxidizing agents

Hazardous decomposition

products No hazardous decomposition products are known.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation Skin contact Eye Contact

Ingestion

Acute toxicity Not classified based on available information.

Components:

DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC:

Acute oral toxicity : LD50 (Rat): > 15 g/kg

: LD50 (Rabbit): > 5 g/kg Acute dermal toxicity

SAFETY DATA SHEET

MaxLife™ DEX/MERC Synthetic Automatic Transmission Fluid

Version: 1.19 Revision Date: 06/03/2020 Print Date: 08/04/2020 08/04/2020

DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC:

Acute oral toxicity : LD50 (Rat): > 15 g/kg

Acute dermal toxicity : LD50 (Rabbit): > 5 g/kg

DODECYL HYDROXYPROPYL SULFIDE:

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg

GLP: yes

Acute dermal toxicity : LD50 (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:

Remarks : May cause skin irritation in susceptible persons.

Components:

DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC:

Assessment : Slight, transient irritation Result : Slight, transient irritation

DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC:

Assessment : Slight, transient irritation Result : Slight, transient irritation

HYDROTREATED LIGHT PARAFFINIC DISTILLATE:

Assessment : Slight, transient irritation Result : Slight, transient irritation

DODECYL HYDROXYPROPYL SULFIDE:

Species : Rabbit

Result : No skin irritation

Serious eye damage/eye irritation

Not classified based on available information.

Product:

Result : Slight, transient irritation

Remarks : Expected based on components.

Remarks : Unlikely to cause eye irritation or injury.

Components:

DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC:

Result : No eye irritation
Assessment : No eye irritation

DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC:

Result : No eye irritation

Valvoline_{TM}

SAFETY DATA SHEET

MaxLife™ DEX/MERC Synthetic Automatic Transmission Fluid

Version: 1.19 Revision Date: 06/03/2020 Print Date: 08/04/2020

Assessment : No eye irritation

HYDROTREATED LIGHT PARAFFINIC DISTILLATE:

Result : Slight, transient irritation
Assessment : Slight, transient irritation

DODECYL HYDROXYPROPYL SULFIDE:

Species : Rabbit

Result : No eye irritation

Respiratory or skin sensitisation

Skin sensitisation

Not classified based on available information.

Respiratory sensitisation

Not classified based on available information.

Product:

Remarks : May cause allergic skin reaction.

Components:

DODECYL HYDROXYPROPYL SULFIDE:

Test Type : Local lymph node assay

Species : Guinea pig

Assessment : May cause sensitisation by skin contact.

Method : OECD Test Guideline 429

Germ cell mutagenicity

Not classified based on available information.

Components:

DODECYL HYDROXYPROPYL SULFIDE:

Genotoxicity in vitro : Test Type: Ames test

Test system: Salmonella typhimurium

Metabolic activation: with and without metabolic activation

Result: negative

Carcinogenicity

Not classified based on available information.

Components:

DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC:

Carcinogenicity - : Classified based on DMSO extract content < 3% (Regulation

Assessment (EC) 1272/2008, Annex VI, Part 3, Note L)

HYDROTREATED LIGHT PARAFFINIC DISTILLATE:

Carcinogenicity - : Classified based on DMSO extract content < 3% (Regulation

Assessment (EC) 1272/2008, Annex VI, Part 3, Note L)

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.

OSHANo component of this product present at levels greater than or equal to 0.1% is

on OSHA's list of regulated carcinogens.

SAFETY DATA SHEET

MaxLife™ DEX/MERC Synthetic Automatic Transmission Fluid

Version: 1.19 Revision Date: 06/03/2020 Print Date: 08/04/2020

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.

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:

DISTILLATES (PETROLEUM), HYDROTREATED 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

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Product:

Ecotoxicology Assessment

Short-term (acute) aquatic

hazard

: Acute aquatic toxicity Category 3; Harmful to aquatic life.

Long-term (chronic) aquatic

hazard

: Chronic aquatic toxicity Category 3; Harmful to aquatic life

with long lasting effects.

Components:

Distillates (Petroleum), Hydrotreated Heavy Paraffinic:

Toxicity to fish : LL50 (Fish): > 100 mg/l

Exposure time: 96 h

aquatic invertebrates

Toxicity to daphnia and other : EL50 (Aquatic invertebrates): > 10,000 mg/l

Exposure time: 48 h

: EL50 (Algae, algal mat (Algae)): > 100 mg/l Toxicity to algae

Exposure time: 72 h



MaxLife™ DEX/MERC Synthetic Automatic Transmission Fluid

Revision Date: 06/03/2020 Version: 1.19 Print Date: 08/04/2020

Toxicity to fish (Chronic

toxicity)

: NOEC (Fish): 10 mg/l

Toxicity to daphnia and other

aquatic invertebrates (Chronic toxicity)

: NOEC (Aquatic invertebrates): 10 mg/l

Ecotoxicology Assessment

Short-term (acute) aquatic

hazard

: Not classified based on available information.

Long-term (chronic) aquatic

hazard

: Not classified based on available information.

DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC:

Ecotoxicology Assessment

Short-term (acute) aquatic

hazard

: Not classified based on available information.

Long-term (chronic) aquatic

hazard

: Not classified based on available information.

DODECYL HYDROXYPROPYL SULFIDE:

: LC50 (Oncorhynchus mykiss (rainbow trout)): 0.75 mg/l Toxicity to fish

> Exposure time: 96 h Test Type: semi-static test

Method: OECD Test Guideline 203

GLP: yes

Toxicity to daphnia and other

aquatic invertebrates

: EL50 (Daphnia magna (Water flea)): 0.58 mg/l

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

Toxicity to algae : EL50 (Desmodesmus subspicatus (green algae)): > 100 mg/l

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

M-Factor (Short-term (acute)

aquatic hazard)

: NOEL (Daphnia magna (Water flea)): 0.32 mg/l

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)

Exposure time: 21 d Test Type: semi-static test

Method: OECD Test Guideline 211

GLP: yes

M-Factor (Long-term (chronic) aquatic hazard) : 1

: 1

Valvoline,

SAFETY DATA SHEET

MaxLife™ DEX/MERC Synthetic Automatic Transmission Fluid

Version: 1.19 Revision Date: 06/03/2020 Print Date: 08/04/2020

Persistence and degradability

Components:

DODECYL HYDROXYPROPYL SULFIDE:

Biodegradability : Result: Not readily biodegradable.

Biodegradation: 5 % Exposure time: 28 d

Method: OECD Test Guideline 301F

No data available

Bioaccumulative potential

Components:

DODECYL HYDROXYPROPYL SULFIDE:

Partition coefficient: n- : log Pow: 4.7 - 6.5

octanol/water

No data available
Mobility in soil
Components:
No data available
Other adverse effects
No data available

Product:

Remarks

Regulation 40 CFR Protection of Environment; Part 82 Protection of

Stratospheric Ozone - CAA Section 602 Class I Substances This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act

Section 602 (40 CFR 82, Subpt. A, App.A + B).

Additional ecological

information

: An environmental hazard cannot be excluded in the event of

unprofessional handling or disposal., Harmful to aquatic life

with long lasting effects.

Components:

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

General advice : Dispose of in accordance with all applicable local, state and

federal regulations.

Send to a licensed waste management company. Do not contaminate ponds, waterways or ditches with

chemical or used container.

The product should not be allowed to enter drains, water

courses or the soil.

Contaminated packaging : Do not re-use empty containers.

Empty containers should be taken to an approved waste

handling site for recycling or disposal.

SAFETY DATA SHEET

MaxLife™ DEX/MERC Synthetic Automatic Transmission Fluid

Version: 1.19 Revision Date: 06/03/2020 Print Date: 08/04/2020

Dispose of as unused product. Empty remaining contents.

SECTION 14. TRANSPORT INFORMATION

International Regulations

UNRTDG

Not regulated as a dangerous good

IATA-DGR

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

National Regulations

49 CFR

Not regulated as a dangerous good

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

CERCLA Reportable Quantity

0	040 N	0	0-1-1-1-1-1-1-1-1-1
Components	CAS-No.	Component RQ	Calculated product RQ
		(lbs)	(lbs)
BENZENE	71-43-2	10	10 (D018)
LEAD	7439-92-1	10	10 (D008)
CADMIUM	7440-43-9	10	10 (D006)
ETHYL BENZENE	100-41-4	100	100 (F003)
BENZENE	71-43-2	10	*

^{*:} Calculated RQ exceeds reasonably attainable upper limit.

SARA 304 Extremely Hazardous Substances Reportable Quantity

Components	CAS-No.	Component RQ	Calculated product RQ
		(lbs)	(lbs)
SULFUR DIOXIDE	7446-09-5	500	*

^{*:} Calculated RQ exceeds reasonably attainable upper limit.

SAFETY DATA SHEET

MaxLife™ DEX/MERC Synthetic Automatic Transmission Fluid

Version: 1.19 Revision Date: 06/03/2020 Print Date: 08/04/2020

SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

SARA 311/312 Hazards : No SARA Hazards

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.

Clean Air Act

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCMI Intermediate or Final VOC's (40 CFR 60.489).

Clean Water Act

The following Hazardous Substances are listed under the U.S. CleanWater Act, Section 311, Table 116.4A:

BENZENE	71-43-2	>= 0 - < 0.1 %
ETHYL BENZENE	100-41-4	>= 0 - < 0.1 %
NAPHTHALENE	91-20-3	>= 0 - < 0.1 %

The following Hazardous Chemicals are listed under the U.S. CleanWater Act, Section 311, Table 117.3:

 BENZENE
 71-43-2
 >= 0 - < 0.1 %</td>

 ETHYL BENZENE
 100-41-4
 >= 0 - < 0.1 %</td>

 NAPHTHALENE
 91-20-3
 >= 0 - < 0.1 %</td>

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

This product does not contain any priority pollutants related to the U.S. Clean Water Act

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

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

AICS : On the inventory, or in compliance with the inventory

ENCS : On the inventory, or in compliance with the inventory

KECI : On the inventory, or in compliance with the inventory

PICCS : On the inventory, or in compliance with the inventory

IECSC : On the inventory, or in compliance with the inventory

TCSI : On the inventory, or in compliance with the inventory

TSCA : On TSCA Inventory

Valvoline,

SAFETY DATA SHEET

MaxLife™ DEX/MERC Synthetic Automatic Transmission Fluid

Version: 1.19 Revision Date: 06/03/2020 Print Date: 08/04/2020 08/04/2020

TSCA list

No substances are subject to TSCA 12(b) export notification requirements.

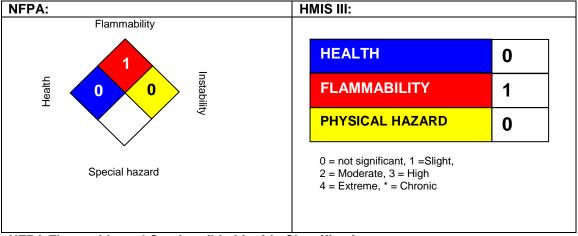
Inventories

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

SECTION 16. OTHER INFORMATION

Further information

Internal information: R0367943



NFPA Flammable and Combustible Liquids Classification

Combustible Liquid Class IIIB

Full text of H-Statements

H304 May be fatal if swallowed and enters airways.

H317 May cause an allergic skin reaction.

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

Valvoline_{TM}

SAFETY DATA SHEET

MaxLife™ DEX/MERC Synthetic Automatic Transmission Fluid

Version: 1.19 Revision Date: 06/03/2020 Print Date: 08/04/2020

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

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

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



MaxLife™ DEX/MERC Synthetic Automatic Transmission Fluid

Version: 1.19 Revision Date: 06/03/2020 Print Date: 08/04/2020