



SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006
Valvoline™ MULTIPURPOSE COMPLEX RED 2
GREASE

Version: 3.0

Revision Date: 09.02.2023

Print Date: 05/07/2023

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

1.1 Product identifier

Trade name : Valvoline™ MULTIPURPOSE COMPLEX RED 2
GREASE

Product code : 890526

Unique Formula Identifier (UFI) : JEG0-3PSN-T30E-MA0K

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

Use of the substance/mixture : Lubricant

1.3 Details of the supplier of the safety data sheet

Company : Ellis Enterprises B.V., an affiliate of Valvoline
Wieldrechtseweg 39
3316 BG Dordrecht
Netherlands

Telephone : +31 (0)78 654 3500 (in the Netherlands), or contact your local
CSR contact person

E-mail address of person responsible for the SDS : SDS@valvoline.com

1.4 Emergency telephone number

00-800-825-8654 / 001-859-202-3865, or contact your local emergency telephone number
at 112

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)

Long-term (chronic) aquatic hazard, Category 2 H411: Toxic to aquatic life with long lasting effects.



SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006
Valvoline™ MULTIPURPOSE COMPLEX RED 2
GREASE

Version: 3.0

Revision Date: 09.02.2023

Print Date: 05/07/2023

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)

Hazard pictograms :



Hazard statements : H411 Toxic to aquatic life with long lasting effects.

Precautionary statements : P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read carefully and follow all instructions.

Prevention:

P273 Avoid release to the environment.

Response:

P391 Collect spillage.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

Additional Labelling

EUH208 Contains Tolytriazole derivative.
May produce an allergic reaction.

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components

Chemical name	CAS-No. EC-No. Index-No.	Classification	Concentration (% w/w)



SAFETY DATA SHEET
 according to Regulation (EC) No. 1907/2006
 Valvoline™ MULTIPURPOSE COMPLEX RED 2
 GREASE

Version: 3.0

Revision Date: 09.02.2023

Print Date: 05/07/2023

	Registration number		
NONANEDIOIC ACID, DILITHIUM SALT	38900-29-7 254-184-4 01-2120119814-57-0033	Acute Tox. 4; H302	>= 2.5 - < 5
ANTIMONY DIALKLYLDITHIOCARBAMATE	15991-76-1 240-130-7 051-003-00-9	Acute Tox. 4; H302 Acute Tox. 4; H332 Aquatic Chronic 2; H411	>= 1 - < 2.5
1H-Imidazole-1-ethanol, 4,5-dihydro-, 2-nortall-oil alkyl derivs.	61791-39-7 263-171-2	Skin Corr. 1B; H314 Eye Dam. 1; H318 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 M-Factor (Acute aquatic toxicity): 10 M-Factor (Chronic aquatic toxicity): 10	>= 0.25 - < 0.5
OLEYL N-METHYLGLYCINE	110-25-8 203-749-3	Acute Tox. 4; H332 Skin Irrit. 2; H315 Eye Dam. 1; H318 Aquatic Acute 1; H400 Aquatic Chronic 3; H412 M-Factor (Acute aquatic toxicity): 1	>= 0.25 - < 0.5
Tolytriazole derivative	94270-86-7 939-700-4 01-2119982395-25-xxxx	Skin Irrit. 2; H315 Skin Sens. 1B; H317 Aquatic Acute 1; H400 Aquatic Chronic 2; H411 M-Factor (Acute aquatic toxicity): 1	>= 0.1 - < 0.25

For explanation of abbreviations see section 16.



SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006
Valvoline™ MULTIPURPOSE COMPLEX RED 2
GREASE

Version: 3.0

Revision Date: 09.02.2023

Print Date: 05/07/2023

SECTION 4: First aid measures

4.1 Description of first aid measures

- General advice : Move out of dangerous area.
Show this safety data sheet to the doctor in attendance.
Do not leave the victim unattended.
- If inhaled : If unconscious, place in recovery position and seek medical advice.
If symptoms persist, call a physician.
- In case of eye contact : Remove contact lenses.
Protect unharmed eye.
If eye irritation persists, consult a specialist.
- If swallowed : Keep respiratory tract clear.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician.

4.2 Most important symptoms and effects, both acute and delayed

- Symptoms : No symptoms known or expected.

4.3 Indication of any immediate medical attention and special treatment needed

- Treatment : No hazards which require special first aid measures.

Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

- Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- Unsuitable extinguishing media : High volume water jet

5.2 Special hazards arising from the substance or mixture

- Specific hazards during firefighting : Do not allow run-off from fire fighting to enter drains or water courses.



SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006
Valvoline™ MULTIPURPOSE COMPLEX RED 2
GREASE

Version: 3.0

Revision Date: 09.02.2023

Print Date: 05/07/2023

Hazardous combustion products : carbon dioxide and carbon monoxide

5.3 Advice for firefighters

Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Refer to protective measures listed in sections 7 and 8. Use personal protective equipment.

6.2 Environmental precautions

Environmental precautions : Prevent product from entering drains. If the product contaminates rivers and lakes or drains inform respective authorities.

6.3 Methods and material for containment and cleaning up

Methods for 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.

6.4 Reference to other sections

See sections: 7, 8, 11, 12 and 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.



SAFETY DATA SHEET
 according to Regulation (EC) No. 1907/2006
 Valvoline™ MULTIPURPOSE COMPLEX RED 2
 GREASE

Version: 3.0

Revision Date: 09.02.2023

Print Date: 05/07/2023

Hygiene measures : General industrial hygiene practice.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : 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.

Advice on common storage : No materials to be especially mentioned.

Further information on storage stability : No decomposition if stored and applied as directed.

7.3 Specific end use(s)

Specific use(s) : No data available

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
ANTIMONY DIALKYLDTITHIO CARBAMATE	15991-76-1	TWA	0.5 mg/m3 (antimony)	GB EH40

8.2 Exposure controls

Personal protective equipment

Eye/face protection : Safety glasses

Hand protection

- Material : neoprene, nitrile rubber
- Break through time : >= 240 min
- Glove thickness : >= 0.35 mm
- Directive : Equipment should conform to EN 374

Remarks : The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough. Please observe the instructions regarding



SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006
Valvoline™ MULTIPURPOSE COMPLEX RED 2
GREASE

Version: 3.0

Revision Date: 09.02.2023

Print Date: 05/07/2023

permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. The data about break through time/strength of material are standard values! The exact break through time/strength of material has to be obtained from the producer of the protective glove.

- Skin and body protection : Protective suit
- Respiratory protection : No personal respiratory protective equipment normally required.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Appearance : liquid
- Odour : oily
- Odour Threshold : No data available
- pH : Not applicable
- Melting point/freezing point : No data available
- Boiling point/boiling range : No data available
- Flash point : > 235 °C
Method: Cleveland open cup
- Evaporation rate : No data available
- Flammability (solid, gas) : No data available
- Upper explosion limit / Upper flammability limit : No data available
- Lower explosion limit / Lower flammability limit : No data available
- Vapour pressure : No data available
- Relative vapour density : No data available



SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006
Valvoline™ MULTIPURPOSE COMPLEX RED 2
GREASE

Version: 3.0

Revision Date: 09.02.2023

Print Date: 05/07/2023

Relative density	:	No data available
Density	:	ca. 0.9 g/cm ³ (20 °C)
Solubility(ies)		
Water solubility	:	immiscible
Solubility in other solvents	:	No data available
Partition coefficient: n-octanol/water	:	No data available
Decomposition temperature	:	No data available
Viscosity		
Viscosity, dynamic	:	No data available
Viscosity, kinematic	:	> 120 mm ² /s (40 °C)
Oxidizing properties	:	No data available

9.2 Other information

Self-ignition	:	No data available
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SECTION 10: Stability and reactivity

10.1 Reactivity

No decomposition if stored and applied as directed.

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Hazardous reactions	:	Stable under recommended storage conditions. No hazards to be specially mentioned.
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10.4 Conditions to avoid

Conditions to avoid	:	None known.
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10.5 Incompatible materials

Materials to avoid	:	Strong oxidizing agents
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SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006
Valvoline™ MULTIPURPOSE COMPLEX RED 2
GREASE

Version: 3.0

Revision Date: 09.02.2023

Print Date: 05/07/2023

10.6 Hazardous decomposition products

No hazardous decomposition products are known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Not classified based on available information.

Product:

Acute oral toxicity : Acute toxicity estimate: > 2,000 mg/kg
Method: Calculation method

Acute inhalation toxicity : Acute toxicity estimate: > 20 mg/l
Exposure time: 4 h
Test atmosphere: vapour
Method: Calculation method

Components:

NONANEDIOIC ACID, DILITHIUM SALT:

Acute oral toxicity : LD50 (Rat, female): > 300 - < 2,000 mg/kg
Remarks: The toxicological data has been taken from products of similar composition.

Acute dermal toxicity : LD50 (Rat): > 2,000 mg/kg
Assessment: The substance or mixture has no acute dermal toxicity
Remarks: The toxicological data has been taken from products of similar composition.

1H-Imidazole-1-ethanol, 4,5-dihydro-, 2-nortall-oil alkyl derivs.:

Acute oral toxicity : LD50 (Rat): > 2,500 mg/kg
Method: OECD Test Guideline 423

Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg
Assessment: The substance or mixture has no acute dermal toxicity

OLEYL N-METHYLGLYCINE:

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

Acute inhalation toxicity : LC50 (Rat): > 1.01 - 1.85 mg/l



SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006
Valvoline™ MULTIPURPOSE COMPLEX RED 2
GREASE

Version: 3.0

Revision Date: 09.02.2023

Print Date: 05/07/2023

Exposure time: 4 h
Test atmosphere: dust/mist

Tolytriazole derivative:

Acute oral toxicity : LD50 (Rat): > 3,313 mg/kg
Acute dermal toxicity : LD50 (Rat): > 2,000 mg/kg
Assessment: The substance or mixture has no acute dermal toxicity
Remarks: No mortality observed at this dose.

Skin corrosion/irritation

Not classified based on available information.

Components:

NONANEDIOIC ACID, DILITHIUM SALT:

Method : Regulation (EC) No. 440/2008, Annex, B.40
Result : No skin irritation

ANTIMONY DIALKLYLDITHIOCARBAMATE:

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

1H-Imidazole-1-ethanol, 4,5-dihydro-, 2-nortall-oil alkyl derivs.:

Species : Rabbit
Method : OECD Test Guideline 404
Result : Corrosive after 3 minutes to 1 hour of exposure

OLEYL N-METHYLGLYCINE:

Result : Irritating to skin.

Tolytriazole derivative:

Species : Rabbit
Assessment : Irritating to skin.

Serious eye damage/eye irritation

Not classified based on available information.

Components:

NONANEDIOIC ACID, DILITHIUM SALT:

Species : Rabbit



SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006
Valvoline™ MULTIPURPOSE COMPLEX RED 2
GREASE

Version: 3.0

Revision Date: 09.02.2023

Print Date: 05/07/2023

Result : Slight, transient irritation

ANTIMONY DIALKYL DITHIOCARBAMATE:

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

1H-Imidazole-1-ethanol, 4,5-dihydro-, 2-nortall-oil alkyl derivs.:

Species : Rabbit
Result : Corrosive

OLEYL N-METHYLGLYCINE:

Result : Corrosive

Tolytriazole derivative:

Species : Rabbit
Result : Slight, transient irritation

Respiratory or skin sensitisation

Skin sensitisation

Not classified based on available information.

Respiratory sensitisation

Not classified based on available information.

Components:

NONANEDIOIC ACID, DILITHIUM SALT:

Test Type : Local lymph node assay
Assessment : Does not cause skin sensitisation.
Method : OECD Test Guideline 429

OLEYL N-METHYLGLYCINE:

Test Type : Maximisation Test
Species : Guinea pig
Assessment : Does not cause skin sensitisation.

Tolytriazole derivative:

Test Type : Maximisation Test
Species : Guinea pig
Assessment : The product is a skin sensitiser, sub-category 1B.
Method : OECD Test Guideline 406



SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006
Valvoline™ MULTIPURPOSE COMPLEX RED 2
GREASE

Version: 3.0

Revision Date: 09.02.2023

Print Date: 05/07/2023

Germ cell mutagenicity

Not classified based on available information.

Components:

NONANEDIOIC ACID, DILITHIUM SALT:

Genotoxicity in vitro : Test Type: **Ames test**
Metabolic activation: **with and without metabolic activation**
Result: **negative**

OLEYL N-METHYLGLYCINE:

Genotoxicity in vitro : Test Type: **Ames test**
Test system: **Salmonella typhimurium**
Metabolic activation: **with and without metabolic activation**
Result: **negative**

Tolytriazole derivative:

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.

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.

Further information

Product:

Remarks : No data available



SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006
Valvoline™ MULTIPURPOSE COMPLEX RED 2
GREASE

Version: 3.0

Revision Date: 09.02.2023

Print Date: 05/07/2023

SECTION 12: Ecological information

12.1 Toxicity

Product:

Ecotoxicology Assessment

Acute aquatic toxicity : Toxic to aquatic life.

Chronic aquatic toxicity : Toxic to aquatic life with long lasting effects.

Components:

NONANEDIOIC ACID, DILITHIUM SALT:

Toxicity to fish	: LC50 (Cyprinus carpio (Carp)): > 100 mg/l Exposure time: 96 h Test Type: static test
Toxicity to daphnia and other aquatic invertebrates	: EC50 (Daphnia magna (Water flea)): > 100 mg/l Exposure time: 48 h Test Type: static test
Toxicity to algae/aquatic plants	: EC50 (Pseudokirchneriella subcapitata (green algae)): 23 mg/l End point: Growth inhibition Exposure time: 72 h Test Type: static test

Ecotoxicology Assessment

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

Chronic aquatic toxicity : Not classified based on available information.

ANTIMONY DIALKLYLDITHIOCARBAMATE:

Ecotoxicology Assessment

Acute aquatic toxicity : Not classified based on available information.

Chronic aquatic toxicity : Not classified based on available information.

1H-Imidazole-1-ethanol, 4,5-dihydro-, 2-nortall-oil alkyl derivs.:

Toxicity to fish	: LC50 (Oncorhynchus mykiss (rainbow trout)): 0.4 mg/l Exposure time: 96 h Test Type: semi-static test Test substance: WAF
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SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006
Valvoline™ MULTIPURPOSE COMPLEX RED 2
GREASE

Version: 3.0

Revision Date: 09.02.2023

Print Date: 05/07/2023

	Method: OECD Test Guideline 203
Toxicity to daphnia and other aquatic invertebrates	: LC50 (Daphnia magna (Water flea)): 0.098 mg/l Exposure time: 48 h Test Type: semi-static test Method: OECD Test Guideline 202
Toxicity to algae/aquatic plants	: EC50 (Pseudokirchneriella subcapitata (green algae)): 0.084 mg/l End point: Growth inhibition Exposure time: 72 h Test Type: static test Method: OECD Test Guideline 201
M-Factor (Acute aquatic toxicity)	: 10
M-Factor (Chronic aquatic toxicity)	: 1

Ecotoxicology Assessment

Acute aquatic toxicity	: Acute aquatic toxicity Category 1; Very toxic to aquatic life.
Chronic aquatic toxicity	: Chronic aquatic toxicity Category 1; Very toxic to aquatic life with long lasting effects.

OLEYL N-METHYLGLYCINE:

Toxicity to fish	: LC50 (Leuciscus idus (Golden orfe)): 0.93 mg/l Exposure time: 96 h Test Type: static test
Toxicity to daphnia and other aquatic invertebrates	: EC50 (Daphnia magna (Water flea)): 0.43 mg/l Exposure time: 48 h Test Type: static test
Toxicity to algae/aquatic plants	: EC50 (Desmodesmus subspicatus (green algae)): 6.3 mg/l End point: Growth inhibition Exposure time: 72 h Test Type: static test
M-Factor (Acute aquatic toxicity)	: 1

Ecotoxicology Assessment

Acute aquatic toxicity :



SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006
Valvoline™ MULTIPURPOSE COMPLEX RED 2
GREASE

Version: 3.0

Revision Date: 09.02.2023

Print Date: 05/07/2023

Chronic aquatic toxicity : Acute aquatic toxicity Category 1; Very toxic to aquatic life.
: Harmful to aquatic life with long lasting effects.
Chronic aquatic toxicity Category 3; Harmful to aquatic life with long lasting effects.

Tolytriazole derivative:

Toxicity to fish : LC50 (Danio rerio (zebra fish)): 1.3 mg/l
Exposure time: 96 h
Test Type: static test
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 2.05 mg/l
Exposure time: 48 h
Test Type: static test
Method: OECD Test Guideline 202

Toxicity to algae/aquatic plants : EC50 (Desmodesmus subspicatus (green algae)): 0.976 mg/l
End point: Growth inhibition
Exposure time: 72 h
Test Type: static test
Method: OECD Test Guideline 201

M-Factor (Acute aquatic toxicity) : 1

Ecotoxicology Assessment

Acute aquatic toxicity :

Chronic aquatic toxicity : Acute aquatic toxicity Category 1; Very toxic to aquatic life.
: Toxic to aquatic life with long lasting effects.
Chronic aquatic toxicity Category 2; Toxic to aquatic life with long lasting effects.

12.2 Persistence and degradability

Components:

NONANEDIOIC ACID, DILITHIUM SALT:

Biodegradability : Result: Readily biodegradable.
Remarks: The toxicological data has been taken from products of similar composition.



SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006
Valvoline™ MULTIPURPOSE COMPLEX RED 2
GREASE

Version: 3.0

Revision Date: 09.02.2023

Print Date: 05/07/2023

1H-Imidazole-1-ethanol, 4,5-dihydro-, 2-nortall-oil alkyl derivs.:

Biodegradability : Result: **Inherently biodegradable.**
Biodegradation: **31 %**
Exposure time: **28 d**
Method: **OECD Test Guideline 301B**

Tolytriazole derivative:

Biodegradability : Result: **Not readily biodegradable.**
Biodegradation: **7 - 10 %**
Exposure time: **28 d**
Method: **OECD Test Guideline 301B**

12.3 Bioaccumulative potential

Components:

NONANEDIOIC ACID, DILITHIUM SALT:

Partition coefficient: n-octanol/water : log Pow: **-3.5**

1H-Imidazole-1-ethanol, 4,5-dihydro-, 2-nortall-oil alkyl derivs.:

Partition coefficient: n-octanol/water : log Pow: **5.4 (35 °C)**

OLEYL N-METHYLGLYCINE:

Partition coefficient: n-octanol/water : log Pow: **3.5 - 4.2**

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

Product:

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects

Product:



SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006
Valvoline™ MULTIPURPOSE COMPLEX RED 2
GREASE

Version: 3.0

Revision Date: 09.02.2023

Print Date: 05/07/2023

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- | | | |
|-----------------------------------|---|---|
| Endocrine disrupting potential | : | The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher. |
| Additional ecological information | : | An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Toxic to aquatic life with long lasting effects. |

SECTION 13: Disposal considerations

13.1 Waste treatment methods

- | | | |
|---------|---|---|
| Product | : | The product should not be allowed to enter drains, water courses or the soil. |
|---------|---|---|

SECTION 14: Transport information

14.1 UN number

- | | | |
|--------|---|-----------------------------------|
| ADR | : | Not regulated as a dangerous good |
| RID | : | Not regulated as a dangerous good |
| IMDG | : | Not regulated as a dangerous good |
| IATA_P | : | Not regulated as a dangerous good |

14.2 UN proper shipping name

- | | | |
|--------|---|-----------------------------------|
| ADR | : | Not regulated as a dangerous good |
| RID | : | Not regulated as a dangerous good |
| IMDG | : | Not regulated as a dangerous good |
| IATA_P | : | Not regulated as a dangerous good |

14.3 Transport hazard class(es)

- | | | |
|--------|---|-----------------------------------|
| ADR | : | Not regulated as a dangerous good |
| RID | : | Not regulated as a dangerous good |
| IMDG | : | Not regulated as a dangerous good |
| IATA_P | : | Not regulated as a dangerous good |

14.4 Packing group



SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006
Valvoline™ MULTIPURPOSE COMPLEX RED 2
GREASE

Version: 3.0

Revision Date: 09.02.2023

Print Date: 05/07/2023

ADR	:	Not regulated as a dangerous good
RID	:	Not regulated as a dangerous good
IMDG	:	Not regulated as a dangerous good
IATA (Cargo)	:	Not regulated as a dangerous good
IATA_P (Passenger)	:	Not regulated as a dangerous good

14.5 Environmental hazards

Not regulated as a dangerous good

14.6 Special precautions for user

Not applicable

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable for product as supplied.

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

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

Relevant EU provisions transposed through retained EU law

UK REACH List of restrictions (Annex 17)	:	Conditions of restriction for the following entries should be considered: Number on list 3
UK REACH Candidate list of substances of very high concern (SVHC) for Authorisation	:	Not applicable
The Persistent Organic Pollutants Regulations (retained Regulation (EU) 2019/1021 as amended for Great Britain)	:	Not applicable
Regulation (EC) No 1005/2009 on substances that deplete the ozone layer	:	Not applicable
UK REACH List of substances subject to authorisation (Annex XIV)	:	Not applicable
Control of Major Accident Hazards Regulations 2015 (COMAH)	E2	ENVIRONMENTAL HAZARDS



SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006
Valvoline™ MULTIPURPOSE COMPLEX RED 2
GREASE

Version: 3.0

Revision Date: 09.02.2023

Print Date: 05/07/2023

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

TCSI	:	Not in compliance with the inventory
TSCA	:	Product contains substance(s) not listed on TSCA inventory.
AIIC	:	Not in compliance with the inventory
DSL	:	This product contains the following components that are not on the Canadian DSL nor NDSL. Tac Oil C
ENCS	:	Not in compliance with the inventory
KECI	:	Not in compliance with the inventory
PICCS	:	Not in compliance with the inventory
IECSC	:	Not in compliance with the inventory
NZIoC	:	Not in compliance with the inventory

15.2 Chemical safety assessment

No data available

Inventories

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

SECTION 16: Other information

Full text of H-Statements

H302	:	Harmful if swallowed.
H314	:	Causes severe skin burns and eye damage.
H315	:	Causes skin irritation.
H317	:	May cause an allergic skin reaction.
H318	:	Causes serious eye damage.
H332	:	Harmful if inhaled.
H400	:	Very toxic to aquatic life.
H410	:	Very toxic to aquatic life with long lasting effects.
H411	:	Toxic to aquatic life with long lasting effects.
H412	:	Harmful to aquatic life with long lasting effects.

Full text of other abbreviations

Acute Tox.	:	Acute toxicity
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SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006
Valvoline™ MULTIPURPOSE COMPLEX RED 2
GREASE

Version: 3.0

Revision Date: 09.02.2023

Print Date: 05/07/2023

Aquatic Acute	:	Short-term (acute) aquatic hazard
Aquatic Chronic	:	Long-term (chronic) aquatic hazard
Eye Dam.	:	Serious eye damage
Skin Corr.	:	Skin corrosion
Skin Irrit.	:	Skin irritation
Skin Sens.	:	Skin sensitisation
GB EH40	:	UK. EH40 WEL - Workplace Exposure Limits
GB EH40 / TWA	:	Long-term exposure limit (8-hour TWA reference period)

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of very high concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Further information

Internal information : 000000276223

Classification of the mixture:

Classification procedure:



SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006
Valvoline™ MULTIPURPOSE COMPLEX RED 2
GREASE

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Aquatic Chronic 3

H412

Calculation method

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GB / EN