	Page: 1
SAFETY DATA SHEET	Revision Date: 31.07.2016
	Print Date: 30.07.2020
	SDS Number: R0517739
Valvoline™ WHITE SYNTHETIC CHAINLUBE INDUSTRIAL OIL 743128	Version: 1.2

Conforms to EU Regulation 1907/2006/EC as amended. - SDSGHS_GB

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

1.1 Product identifier

Trade name : Valvoline™ WHITE SYNTHETIC CHAINLUBE
INDUSTRIAL OIL

1.2 Recommended use of the chemical and restrictions on use

Use of the Substance/Mixture : lubricant


1.3 Details of the supplier of the safety data sheet Ellis Enterprises B.V., an affiliate of Valvoline Wieldrechtseweg 39 3316 BG Dordrecht Netherlands 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 Product Information +31 (0)78 654 3500 (in the Netherlands), or contact your local CSR contact person
---	---

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Aerosols, Category 1	H222: Extremely flammable aerosol.
	H229: Pressurised container: May burst if heated.
Skin irritation, Category 2	H315: Causes skin irritation.
Specific target organ toxicity - single exposure, Category 3, Central nervous system	H336: May cause drowsiness or dizziness.
Aspiration hazard, Category 1	H304: May be fatal if swallowed and enters airways.
Chronic aquatic toxicity, Category 2	H411: Toxic to aquatic life with long lasting effects.

	Page: 2
SAFETY DATA SHEET	Revision Date: 31.07.2016
	Print Date: 30.07.2020
	SDS Number: R0517739
Valvoline™ WHITE SYNTHETIC CHAINLUBE INDUSTRIAL OIL 743128	Version: 1.2

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal word :

Danger

Hazard statements :

H222
H229
H304

Extremely flammable aerosol.
Pressurised container: May burst if heated.
May be fatal if swallowed and enters airways.
Causes skin irritation.
May cause drowsiness or dizziness.
Toxic to aquatic life with long lasting effects.

H315
H336
H411

Precautionary statements :

P101

P102
P103
Prevention:
P210

If medical advice is needed, have product container or label at hand.
Keep out of reach of children.
Read label before use.

P211

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Do not spray on an open flame or other ignition source.

P251
P261
P273

Do not pierce or burn, even after use.
Avoid breathing spray.
Avoid release to the environment.

Response:

P301 + P310

P304 + P340

IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Storage:

P410 + P412

P403 + P233

Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.
Store in a well-ventilated place. Keep container tightly closed.


Disposal:

P501

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

Hazardous components which must be listed on the label:

Pentane

	Page: 3
SAFETY DATA SHEET	Revision Date: 31.07.2016
	Print Date: 30.07.2020
	SDS Number: R0517739
Valvoline™ WHITE SYNTHETIC CHAINLUBE INDUSTRIAL OIL 743128	Version: 1.2

2.3 Other hazards

Additional advice

No information available.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical nature : Static Accumulator

Hazardous components


Chemical Name	CAS-No. EC-No. Registration number	Classification (REGULATION (EC) No 1272/2008)	Concentration (%)
Pentane	109-66-0 203-692-4 01-2119459286-30-xxxx	Flam. Liq.2; H225 STOT SE3; H336 Asp. Tox.1; H304 Aquatic Chronic2; H411	>= 25 - < 40
Naphtha (petroleum), hydrotreated light	265-151-9	Flam. Liq.2; H225 Skin Irrit.2; H315 STOT SE3; H336 Asp. Tox.1; H304 Aquatic Chronic2; H411	>= 10 - < 15
Propane	74-98-6 200-827-9 01-2119486944-21-xxxx	Flam. Gas1; H220 Press. GasLiquefied gas; H280	>= 10 - < 15
Substances with a workplace exposure limit :			
Butane	106-97-8 203-448-7 01-2119474691-32-xxxx	Flam. Gas1; H220 Press. GasLiquefied gas; H280	>= 15 - < 25

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice : Move out of dangerous area.
Call a POISON CENTRE or doctor/physician if exposed or
you feel unwell.
Show this safety data sheet to the doctor in attendance.

	Page: 4
SAFETY DATA SHEET	Revision Date: 31.07.2016
	Print Date: 30.07.2020
	SDS Number: R0517739
Valvoline™ WHITE SYNTHETIC CHAINLUBE INDUSTRIAL OIL 743128	Version: 1.2

Do not leave the victim unattended.

- | | |
|-------------------------|---|
| If inhaled | : Move to fresh air.
If unconscious place in recovery position and seek medical advice.
Consult a physician after significant exposure. |
| 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 | : Flush eyes with water as a precaution.
Remove contact lenses.
Protect unharmed eye.
If eye irritation persists, consult a specialist. |
| If swallowed | : 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 | : 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)
Shortness of breath
confusion
irregular heartbeat |
| Risks | : Inhalation of high concentrations of this material, as could occur in enclosed spaces or during deliberate abuse, may be associated with cardiac arrhythmias. Sympathomimetic drugs may initiate cardiac arrhythmias in persons exposed to this material.

May be fatal if swallowed and enters airways.
Causes skin irritation.
May cause drowsiness or dizziness. |

4.3 Indication of any immediate medical attention and special treatment needed

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

	Page: 5
SAFETY DATA SHEET	Revision Date: 31.07.2016
	Print Date: 30.07.2020
	SDS Number: R0517739
Valvoline™ WHITE SYNTHETIC CHAINLUBE INDUSTRIAL OIL 743128	Version: 1.2

SECTION 5: Firefighting measures

5.1 Extinguishing media

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Water spray
Foam
Alcohol-resistant foam
Carbon dioxide (CO₂)
Dry chemical
- Unsuitable extinguishing media : High volume water jet

5.2 Special hazards arising from the substance or mixture

- Specific hazards during firefighting : Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively.
Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.
Do not allow run-off from fire fighting to enter drains or water courses.
- Hazardous combustion products : carbon dioxide and carbon monoxide
Hydrocarbons


5.3 Advice for firefighters

- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.
- 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.
Use a water spray to cool fully closed containers.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- Personal precautions : Evacuate personnel to safe areas.
Remove all sources of ignition.

	Page: 6
SAFETY DATA SHEET	Revision Date: 31.07.2016
	Print Date: 30.07.2020
	SDS Number: R0517739
Valvoline™ WHITE SYNTHETIC CHAINLUBE INDUSTRIAL OIL 743128	Version: 1.2

Use personal protective equipment.
 Ensure adequate ventilation.
 Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.
 Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.
 Comply with all applicable federal, state, and local regulations.
 Suppress (knock down) gases/vapours/mists with a water spray jet.

6.2 Environmental precautions

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.

6.3 Methods and material for containment and cleaning up

6.4 Reference to other sections

For further information see Section 8 and Section 13 of the safety data sheet.


SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Open drum carefully as content may be under pressure.
 Provide sufficient air exchange and/or exhaust in work rooms.
 Do not breathe vapours/dust.
 Do not smoke.
 Container hazardous when empty.
 Take precautionary measures against static discharges.
 Avoid exposure - obtain special instructions before use.
 Avoid contact with skin and eyes.
 Smoking, eating and drinking should be prohibited in the application area.
 For personal protection see section 8.
 Dispose of rinse water in accordance with local and national regulations.
 Container may be opened only under exhaust ventilation hood.

Advice on protection against fire and explosion : Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). No sparking tools should be used. Keep away from open flames, hot surfaces and sources of ignition. Use only explosion-proof equipment.

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

	Page: 7
SAFETY DATA SHEET	Revision Date: 31.07.2016
	Print Date: 30.07.2020
	SDS Number: R0517739
Valvoline™ WHITE SYNTHETIC CHAINLUBE INDUSTRIAL OIL 743128	Version: 1.2

using do not eat or drink. When using do not smoke.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : BEWARE: Aerosol is pressurized. Keep away from direct sun exposure and temperatures over 50 °C. Do not open by force or throw into fire even after use. Do not spray on flames or red-hot objects. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Observe label precautions. No smoking. Electrical installations / working materials must comply with the technological safety standards.

Other data : 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
Pentane	109-66-0	TWA	600 ppm 1.800 mg/m3	EH40 WEL
Butane	106-97-8	TWA	600 ppm 1.450 mg/m3	EH40 WEL
		STEL	750 ppm 1.810 mg/m3	EH40 WEL

8.2 Exposure controls


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

Eye protection : Not required under normal conditions of use. Wear splash-proof safety goggles if material could be misted or splashed into eyes.

Hand protection


	Page: 8
SAFETY DATA SHEET	Revision Date: 31.07.2016
	Print Date: 30.07.2020
	SDS Number: R0517739
Valvoline™ WHITE SYNTHETIC CHAINLUBE INDUSTRIAL OIL 743128	Version: 1.2

Remarks	: Nitrile rubber
	The suitability for a specific workplace should be discussed with the producers of the protective gloves.
Skin and body protection	: Wear as appropriate: impervious clothing Safety shoes Flame-resistant clothing Choose body protection according to the amount and concentration of the dangerous substance at the work place. Discard gloves that show tears, pinholes, or signs of wear.
Respiratory protection	: In the case of vapour formation use a respirator with an approved filter. In the case of dust or aerosol formation use respirator with an approved filter.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	: aerosol
Colour	: colourless, transparent
Odour	: characteristic
Odour Threshold	: No data available
pH	: No data available
	: No data available
Boiling point/boiling range	: -44 °C
	No data available
Flash point	: -97 °C
Evaporation rate	: No data available
Flammability (solid, gas)	: No data available
Upper explosion limit	: 10,9 %(V)
Lower explosion limit	: 0,7 %(V)

	Page: 9
SAFETY DATA SHEET	Revision Date: 31.07.2016
	Print Date: 30.07.2020
	SDS Number: R0517739
Valvoline™ WHITE SYNTHETIC CHAINLUBE INDUSTRIAL OIL 743128	Version: 1.2

Vapour pressure : 8.300 hPa (20 °C)

Relative vapour density : No data available

Relative density : No data available

Density : 0,654 g/cm3

Solubility(ies)

Water solubility : insoluble

Solubility in other solvents : No data available

Partition coefficient: n-octanol/water : No data available

Auto-ignition temperature : 200 °C

Thermal decomposition : No data available

Viscosity

Viscosity, dynamic : No data available

Viscosity, kinematic : No data available

Oxidizing properties : No data available

9.2 Other information

No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

No decomposition if stored and applied as directed.


10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions : Vapours may form explosive mixture with air.

10.4 Conditions to avoid

	Page: 10
SAFETY DATA SHEET	Revision Date: 31.07.2016
	Print Date: 30.07.2020
	SDS Number: R0517739
Valvoline™ WHITE SYNTHETIC CHAINLUBE INDUSTRIAL OIL 743128	Version: 1.2

Conditions to avoid : Heat, flames and sparks.

10.5 Incompatible materials

Materials to avoid : Acids
Alkali metals
Amines
Oxidizing agents
strong bases
strong reducing agents

10.6 Hazardous decomposition products

Hazardous decomposition products : carbon dioxide and carbon monoxide
Hydrocarbons

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Information on likely routes of exposure : Inhalation
Skin contact
Eye Contact
Ingestion

Acute toxicity

Not classified based on available information.

Components:

PENTANE NORMAL:

Acute oral toxicity : LD 50 (Rat): > 2.000 mg/kg
Assessment: Not classified as acutely toxic by ingestion under GHS.
Remarks: No mortality observed at this dose.


Acute inhalation toxicity : LC 50 (Rat): > 20 mg/l
Exposure time: 4 h
Assessment: No adverse effect has been observed in acute inhalation toxicity tests.

Components:

Hydrocarbons, C6-C7, n-alkanes, iso-alkanes, cyclenes, <5% nhexane:

Acute oral toxicity : LD 50 (Rat): > 5.840 mg/kg
Remarks: Information given is based on data obtained from similar substances.

Acute inhalation toxicity : LC 50 (Rat): > 25,2 mg/l
Exposure time: 4 h

	Page: 11
SAFETY DATA SHEET	Revision Date: 31.07.2016
	Print Date: 30.07.2020
	SDS Number: R0517739
Valvoline™ WHITE SYNTHETIC CHAINLUBE INDUSTRIAL OIL 743128	Version: 1.2

Acute dermal toxicity : LD 50 (Rat): > 2.800 - 3.100 mg/kg
Remarks: Information given is based on data obtained from similar substances.

Components:

PROPANE:

Acute inhalation toxicity : LC50 (Rat): 1.237 mg/l
Exposure time: 2 h
Test atmosphere: gas
Assessment: Not classified as acutely toxic by inhalation under GHS.
Remarks: Information given is based on data obtained from similar substances.

Components:

BUTANE NORMAL:

Acute oral toxicity : LD 50 (Rat): > 5 g/kg

Acute inhalation toxicity : LC 50 (Rat): 658 mg/l
Exposure time: 4 h

Acute dermal toxicity : LD 50 (Rabbit): > 3,16 g/kg

Skin corrosion/irritation

Causes skin irritation.

Product:

Remarks: May cause skin irritation and/or dermatitis.

Components:

PENTANE NORMAL:

Result: Mildly irritating to skin

Hydrocarbons, C6-C7, n-alkanes, iso-alkanes, cyclenes, <5% nhexane:

Result: Irritating to skin

BUTANE NORMAL:


Result: Possibly irritating to skin

Serious eye damage/eye irritation

Not classified based on available information.

Product:

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

	Page: 12
SAFETY DATA SHEET	Revision Date: 31.07.2016
	Print Date: 30.07.2020
	SDS Number: R0517739
Valvoline™ WHITE SYNTHETIC CHAINLUBE INDUSTRIAL OIL 743128	Version: 1.2

Components:

PENTANE NORMAL:

Result: Mildly irritating to eyes

Hydrocarbons, C6-C7, n-alkanes, iso-alkanes, cyclenes, <5% nhexane:

Result: Mildly irritating to eyes

BUTANE NORMAL:

Result: Mildly 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.

Components:

PROPANE:

Genotoxicity in vitro	: Test Type: Ames test
	Test species: Salmonella typhimurium
	Metabolic activation: with and without metabolic activation
	Result: negative
	Remarks: Information given is based on data obtained from similar substances.

Carcinogenicity

Not classified based on available information.

Reproductive toxicity

Not classified based on available information.

STOT - single exposure

May cause drowsiness or dizziness.

Components:

PENTANE NORMAL:

Assessment: May cause drowsiness or dizziness.

Hydrocarbons, C6-C7, n-alkanes, iso-alkanes, cyclenes, <5% nhexane:

Assessment: May cause drowsiness or dizziness.


STOT - repeated exposure

Not classified based on available information.

Aspiration toxicity

May be fatal if swallowed and enters airways.

Components:

	Page: 13
SAFETY DATA SHEET	Revision Date: 31.07.2016
	Print Date: 30.07.2020
	SDS Number: R0517739
Valvoline™ WHITE SYNTHETIC CHAINLUBE INDUSTRIAL OIL 743128	Version: 1.2

PENTANE NORMAL:

May be fatal if swallowed and enters airways.

Hydrocarbons, C6-C7, n-alkanes, iso-alkanes, cyclenes, <5% nhexane:

May be fatal if swallowed and enters airways.

Further information

Product:

Remarks: Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting., Concentrations substantially above the TLV value may cause narcotic effects., Solvents may degrease the skin.

SECTION 12: Ecological information

12.1 Toxicity

Components:

Pentane

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 4,26 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Water flea (Daphnia magna)): > 1 - 10 mg/l
Exposure time: 48 h


Toxicity to algae : ErC50 (Pseudokirchneriella subcapitata (green algae)): 10,7 mg/l
Exposure time: 72 h

Naphtha (petroleum), hydrotreated light

Toxicity to fish : LL50 (Oncorhynchus mykiss (rainbow trout)): 11,4 mg/l
Exposure time: 96 h
Test Type: semi-static test
Test substance: WAF
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EL50 (Daphnia hyalina (water flea)): 3 mg/l
Exposure time: 48 h
Test Type: static test
Test substance: WAF
Method: OECD Test Guideline 202

Toxicity to algae : EL50 (Pseudokirchneriella subcapitata (green algae)): 10 - 30 mg/l
End point: Growth inhibition
Exposure time: 72 h

	Page: 14
SAFETY DATA SHEET	Revision Date: 31.07.2016
	Print Date: 30.07.2020
	SDS Number: R0517739
Valvoline™ WHITE SYNTHETIC CHAINLUBE INDUSTRIAL OIL 743128	Version: 1.2

Test Type: static test
Test substance: WAF
Method: OECD Test Guideline 201

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 0,17 mg/l
Exposure time: 21 d
Species: Water flea (Daphnia magna)
Test Type: static test
Test substance: WAF
Method: OECD Test Guideline 211

Ecotoxicology Assessment
Acute aquatic toxicity : Toxic to aquatic life.

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

12.2 Persistence and degradability

Components:

Pentane
Biodegradability : Result: Readily biodegradable
Biodegradation: 87 %
Exposure time: 28 d
Method: OECD Test Guideline 301F

Naphtha (petroleum), hydrotreated light
Biodegradability : Inoculum: activated sludge
Biodegradation: 98 %
Exposure time: 28 d
Method: OECD Test Guideline 301F

12.3 Bioaccumulative potential

Product:


Bioaccumulation : Remarks: The bioaccumulation potential cannot be determined.

Components:

Pentane
Partition coefficient: n-octanol/water : log Pow: 3,39

Propane
Partition coefficient: n-octanol/water : log Pow: 2,36

Butane
Partition coefficient: n-octanol/water : log Pow: 2,89

	Page: 15
SAFETY DATA SHEET	Revision Date: 31.07.2016
	Print Date: 30.07.2020
	SDS Number: R0517739
Valvoline™ WHITE SYNTHETIC CHAINLUBE INDUSTRIAL OIL 743128	Version: 1.2

octanol/water

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

Not relevant

12.6 Other adverse effects

Product:

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal., Toxic to aquatic life., Harmful 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.
Do not contaminate ponds, waterways or ditches with chemical or used container.
Send to a licensed waste management company.

Contaminated packaging : Empty remaining contents.
Empty containers should be taken to an approved waste handling site for recycling or disposal.
Do not re-use empty containers.
Do not burn, or use a cutting torch on, the empty drum.

SECTION 14: Transport information

SECTION 14: Transport information

14.1 UN number

ADR:

INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO: UN1950

INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER: UN1950


INTERNATIONAL MARITIME DANGEROUS GOODS: UN1950

RID:

14.2 UN proper shipping name

ADR:

INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO: Aerosols, flammable

	Page: 16
SAFETY DATA SHEET	Revision Date: 31.07.2016
	Print Date: 30.07.2020
	SDS Number: R0517739
Valvoline™ WHITE SYNTHETIC CHAINLUBE INDUSTRIAL OIL 743128	Version: 1.2

INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER: Aerosols, flammable
INTERNATIONAL MARITIME DANGEROUS GOODS: AEROSOLS
RID:

14.3 Transport hazard class(es)

ADR:
INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO: 2.1
INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER: 2.1
INTERNATIONAL MARITIME DANGEROUS GOODS: 2.1
RID:

14.4 Packing group

ADR:
INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO:
INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER:
INTERNATIONAL MARITIME DANGEROUS GOODS:
RID:

14.5 Environmental hazards

ADR: Not applicable
INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO: Not applicable
INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER: Not applicable
RID: Not applicable
: Not applicable
\

14.6 Special precautions for user

Not applicable

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


Ship Type: Not applicable
Hazard code(s): Not applicable
Pollutant Category: Not applicable

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

REACH - Candidate List of Substances of Very High : Not applicable
Concern for Authorisation (Article 57).

	Page: 17
SAFETY DATA SHEET	Revision Date: 31.07.2016
	Print Date: 30.07.2020
	SDS Number: R0517739
Valvoline™ WHITE SYNTHETIC CHAINLUBE INDUSTRIAL OIL 743128	Version: 1.2

REACH - List of substances subject to authorisation (Annex XIV) : Not applicable

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII) : Pentane
Butane
Naphtha (petroleum), hydrotreated light
Propane

Regulation (EC) No 850/2004 on persistent organic pollutants : Not applicable

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

P3a	FLAMMABLE AEROSOLS	Quantity 1 150 t	Quantity 2 500 t
-----	--------------------	---------------------	---------------------

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

E2	ENVIRONMENTAL HAZARDS	200 t	500 t
----	--------------------------	-------	-------

Other regulations : Young people under 18 years old are not allowed to work with this product according to the EU Directive 94/33/EC on the protection of young people at work.

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 On the inventory, or in compliance with the inventory

ENCS Not in compliance with the inventory


KECL On the inventory, or in compliance with the inventory

IECSC On the inventory, or in compliance with the inventory

PICCS 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)

	Page: 18
SAFETY DATA SHEET	Revision Date: 31.07.2016
	Print Date: 30.07.2020
	SDS Number: R0517739
Valvoline™ WHITE SYNTHETIC CHAINLUBE INDUSTRIAL OIL 743128	Version: 1.2

15.2 Chemical Safety Assessment

No data available

SECTION 16: Other information

Further information

Revision Date: 31.07.2016

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

H220	Extremely flammable gas.
H225	Highly flammable liquid and vapour.
H280	Contains gas under pressure; may explode if heated.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.

Further information

Other information : 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 (+31 (0)78 654 3500).

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.

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

	Page: 19
SAFETY DATA SHEET	Revision Date: 31.07.2016
	Print Date: 30.07.2020
	SDS Number: R0517739
Valvoline™ WHITE SYNTHETIC CHAINLUBE INDUSTRIAL OIL 743128	Version: 1.2

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

ABM : Water Hazard Class for the Netherlands

ADR : Agreement concerning the International Carriage of Dangerous Goods by Road.

ADNR: Regulation for the Carriage of Dangerous Substances on the Rhine

CLP : Classification, Labelling and Packaging

CSA : Chemical Safety Assessment

CSR : Chemical Safety Report

DNEL : Derived No Effect Level.

EINECS : European Inventory of Existing Commercial Chemical Substances.

ELINCS : European List of Notified Chemical Substances

PEC : Predicted Effect Concentration

PEL : Permissible Exposure Limits

PNEC : Predicted No Effect Concentration

R-pharse : Risk phrase

REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals

RID : Regulation Concerning the International Transport of Dangerous Goods by Rail

S-pharse: Safety phrase

WGK : German Water Hazard Class