



SAFETY DATA SHEET

SynPower™ MST C3 5W40

Version: 7.0

Revision Date: 06.11.2020

Print Date: 19/09/2022

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 : SynPower™ MST C3 5W40

Product code : 872385

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

Recommended use : Engine, gear & lubricating oil.

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

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)

Not a hazardous substance or mixture.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

Additional Labelling:

EUH210 Safety data sheet available on request.

EUH208 Contains C14-16-18 Alkyl phenol. May produce an allergic reaction.



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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.

Additional advice

No information available.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous components

| Chemical name | CAS-No. EC-No. Registration number | Classification (REGULATION (EC) No 1272/2008) | Concentration (%) |
|--|--|---|--------------------|
| Lubricating Oils (Petroleum), C20-50, Hydrotreated Neutral Oil-Based | 72623-87-1 276-738-4 01-2119474889-13-xxxx | Asp. Tox.1; H304 | >= 10,00 - < 15,00 |
| Distillates (petroleum), hydrotreated heavy paraffinic | 64742-54-7 265-157-1 01-2119484627-25-xxxx | Asp. Tox.1; H304 | >= 2,50 - < 5,00 |
| Lubricating oils (petroleum), C15-30, hydrotreated neutral oil- based | 72623-86-0 276-737-9 | Asp. Tox.1; H304 | >= 2,50 - < 5,00 |
| bis(nonylphenyl)amine | 36878-20-3 253-249-4 01-2119488911-28-xxxx | Aquatic Chronic4; H413 | >= 1,00 - < 2,50 |
| C14-16-18 Alkyl phenol | 931-468-2 01-2119498288-19-xxxx | Skin Sens.1B; H317 STOT RE2; H373 | >= 1,00 - < 2,50 |

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.
Show this safety data sheet to the doctor in attendance.



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| | |
|-------------------------|---|
| | Do not leave the victim unattended. |
| If inhaled | : If breathed in, move person into fresh air. If unconscious, place in recovery position and seek medical advice. If symptoms persist, call a physician. |
| In case of skin contact | : 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 | : Flush eyes with water as a precaution. Remove contact lenses. Protect unharmed eye. If eye irritation persists, consult a specialist. |
| If swallowed | : Obtain medical attention. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. |

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.

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 Carbon dioxide (CO ₂) Dry chemical |
| Unsuitable extinguishing media | : High volume water jet |



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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. |
| Hazardous combustion products | : | Nitrogen oxides (NOx) carbon dioxide and carbon monoxide |

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 | : | Standard procedure for chemical fires. |

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- | | | |
|----------------------|---|--|
| Personal precautions | : | 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. |
|----------------------|---|--|

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

- | | | |
|-------------------------|---|---|
| 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

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



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- Advice on safe handling : Do not breathe vapours/dust.
Do not smoke.
Container hazardous when empty.
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.
- Advice on protection against fire and explosion : Normal measures for preventive fire protection.
- Hygiene measures : Wash hands before breaks and at the end of workday.

7.2 Conditions for safe storage, including any incompatibilities

- Requirements for storage areas and containers : Keep container tightly closed in a dry and well-ventilated place.
- 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

Contains no substances with occupational exposure limit values.

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

Remarks : Nitrile rubber butyl-rubber



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| | |
|--------------------------|---|
| | 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 Choose body protection according to the amount and concentration of the dangerous substance at the work place. |
| 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 |
| Colour | : amber |
| Odour | : oily |
| Odour Threshold | : No data available |
| pH | : Not applicable |
| Pour point | : < -39 °C |
| Boiling point/boiling range | : No data available |
| Flash point | : 210 °C Method: Pensky-Martens closed 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 |



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| | |
|--|---|
| Relative density | : No data available |
| Density | : ca. 0,852 g/cm ³ (15,6 °C) |
| Solubility(ies) | |
| Water solubility | : insoluble |
| Solubility in other solvents | : No data available |
| Partition coefficient: n-octanol/water | : No data available |
| Decomposition temperature | : No data available |
| Viscosity | |
| Viscosity, dynamic | : < 6.400 mPa.s (-30 °C) |
| Viscosity, kinematic | : ca. 87 mm ² /s (40 °C) |
| Oxidizing properties | : No data available |

9.2 Other information

| | |
|---------------|---------------------|
| Self-ignition | : 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 | : Product will not undergo hazardous polymerization. |
|---------------------|--|

10.4 Conditions to avoid

| | |
|---------------------|---------------|
| Conditions to avoid | : None known. |
|---------------------|---------------|

10.5 Incompatible materials

| | |
|--------------------|---|
| Materials to avoid | : Strong bases Strong oxidizing agents |
|--------------------|---|



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10.6 Hazardous decomposition products

Hazardous decomposition products : No hazardous decomposition products are known.

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:

Lubricating Oils (Petroleum), C20-50, Hydrotreated Neutral Oil-Based:

| | |
|---------------------------|---|
| Acute oral toxicity | : LD50 (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 | : LD50 (Rabbit): > 5.000 mg/kg Remarks: No mortality observed at this dose. |

Components:

HEAVY PARAFFINIC DISTILLATE:

| | |
|-----------------------|---------------------------|
| Acute oral toxicity | : LD50 (Rat): > 15 g/kg |
| Acute dermal toxicity | : LD50 (Rabbit): > 5 g/kg |

Components:

Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based:

| | |
|---------------------|-----------------------------|
| Acute oral toxicity | : LD50 (Rat): > 5.000 mg/kg |
|---------------------|-----------------------------|

Components:

REACTION PROD. OF BENZENEAMINE, N-PHENYL- W/ NONENE (BRANCHED):

| | |
|---------------------|-----------------------------|
| Acute oral toxicity | : LD50 (Rat): > 5.000 mg/kg |
|---------------------|-----------------------------|



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Acute dermal toxicity : Remarks: No mortality observed at this dose.
: LD50 (Rat): > 2.000 mg/kg
Assessment: Not classified as acutely toxic by dermal absorption under GHS.
Remarks: Information given is based on data obtained from similar substances.

Components:

C14-16-18 Alkyl phenol:

Acute oral toxicity : LD50 (Rat): > 2.000 mg/kg
Assessment: Not classified as acutely toxic by ingestion under GHS.
Acute dermal toxicity : LD50 (Rat): > 2.000 mg/kg
Assessment: Not classified as acutely toxic by dermal absorption under GHS.
Remarks: No mortality observed at this dose.

Skin corrosion/irritation

Not classified based on available information.

Components:

Lubricating Oils (Petroleum), C20-50, Hydrotreated Neutral Oil-Based:

Species: Rabbit
Result: No skin irritation

HEAVY PARAFFINIC DISTILLATE:

Result: Slight, transient irritation

Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based:

Result: No skin irritation

REACTION PROD. OF BENZENEAMINE, N-PHENYL- W/ NONENE (BRANCHED):

Species: Rabbit
Result: Mild skin irritation
Remarks: Information given is based on data obtained from similar substances.

C14-16-18 Alkyl phenol:

Method: OECD Test Guideline 431
Result: No skin irritation

Serious eye damage/eye irritation

Not classified based on available information.

Product:



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Remarks: Unlikely to cause eye irritation or injury.

Components:

Lubricating Oils (Petroleum), C20-50, Hydrotreated Neutral Oil-Based:

Species: Rabbit

Result: No eye irritation

HEAVY PARAFFINIC DISTILLATE:

Result: No eye irritation

Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based:

Result: No eye irritation

REACTION PROD. OF BENZENEAMINE, N-PHENYL- W/ NONENE (BRANCHED):

Species: Rabbit

Result: Slight, transient irritation

Remarks: Information given is based on data obtained from similar substances.

C14-16-18 Alkyl phenol:

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.

Product:

Assessment: Does not cause skin sensitisation.

Remarks: Based on similar product.

Components:

Lubricating Oils (Petroleum), C20-50, Hydrotreated Neutral Oil-Based:

Test Type: Buehler Test

Species: Guinea pig

Assessment: Does not cause skin sensitisation.

REACTION PROD. OF BENZENEAMINE, N-PHENYL- W/ NONENE (BRANCHED):

Species: Guinea pig

Assessment: Does not cause skin sensitisation.

Method: OECD Test Guideline 406

Remarks: Information given is based on data obtained from similar substances.

C14-16-18 Alkyl phenol:

Test Type: Local lymph node assay

Species: Mouse

Assessment: The product is a skin sensitiser, sub-category 1B.



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Method: **OECD Test Guideline 429**

Germ cell mutagenicity

Not classified based on available information.

Components:

REACTION PROD. OF BENZENEAMINE, N-PHENYL- W/ NONENE (BRANCHED):

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

C14-16-18 Alkyl phenol:

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

Carcinogenicity

Not classified based on available information.

Components:

Lubricating Oils (Petroleum), C20-50, Hydrotreated Neutral Oil-Based:

Carcinogenicity - : **Classified based on DMSO extract content < 3% (Regulation**
Assessment **(EC) 1272/2008, Annex VI, Part 3, Note L)**

Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based:

Carcinogenicity - : **Classified based on DMSO extract content < 3% (Regulation**
Assessment **(EC) 1272/2008, Annex VI, Part 3, Note L)**

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.

Components:

C14-16-18 Alkyl phenol:

Target Organs: **Liver**
Assessment: **The substance or mixture is classified as specific target organ toxicant, repeated exposure, category 2.**



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Aspiration toxicity

Not classified based on available information.

Components:

Lubricating Oils (Petroleum), C20-50, Hydrotreated Neutral Oil-Based:

May be fatal if swallowed and enters airways.

HEAVY PARAFFINIC DISTILLATE:

May be fatal if swallowed and enters airways.

Further information

Product:

Remarks: No data available

SECTION 12: Ecological information

12.1 Toxicity

Components:

Lubricating Oils (Petroleum), C20-50, Hydrotreated Neutral Oil-Based

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

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 : EL50 (*Daphnia magna* (Water flea)): > 10.000 mg/l

aquatic invertebrates

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 : NOELR: >= 1.000 mg/l

toxicity)

Exposure time: 14 d



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| | |
|--|--|
| | Species: Oncorhynchus mykiss (rainbow trout) |
| Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) | : NOEL: 10 mg/l Exposure time: 21 d Species: Daphnia (water flea) Test substance: WAF Method: OECD Test Guideline 211 |

Distillates (petroleum), hydrotreated heavy paraffinic

| | |
|--|---|
| Toxicity to fish | : LL50 (Fish): > 100 mg/l Exposure time: 96 h |
| Toxicity to daphnia and other aquatic invertebrates | : EL50 (Aquatic invertebrates): > 10.000 mg/l Exposure time: 48 h |
| Toxicity to algae | : EL50 (Algae, algal mat (Algae)): > 100 mg/l Exposure time: 72 h |
| Toxicity to fish (Chronic toxicity) | : NOEC: 10 mg/l Species: Fish |
| Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) | : NOEC: 10 mg/l Species: Aquatic invertebrates |

bis(nonylphenyl)amine

| | |
|---|--|
| Toxicity to fish | : LC50 (Danio rerio (zebra fish)): > 100 mg/l Exposure time: 96 h Test Type: static test Remarks: Information given is based on data obtained from similar substances. |
| Toxicity to daphnia and other aquatic invertebrates | : EC50 (Daphnia magna (Water flea)): > 100 mg/l Exposure time: 48 h Test Type: static test Test substance: WAF |
| Toxicity to algae | : EC50 (Pseudokirchneriella subcapitata (algae)): 600 mg/l End point: Growth inhibition Exposure time: 72 h Test Type: static test |

C14-16-18 Alkyl phenol

| | |
|------------------|--|
| Toxicity to fish | : LC50 (Cyprinus carpio (Carp)): > 100 mg/l Exposure time: 96 h Test Type: static test Test substance: WAF |
|------------------|--|



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| | |
|---|--|
| Toxicity to daphnia and other aquatic invertebrates | : EC50 (<i>Daphnia magna</i> (Water flea)): > 100 mg/l Exposure time: 48 h Test Type: static test Method: OECD Test Guideline 202 |
| Toxicity to algae | : EC50 (<i>Pseudokirchneriella subcapitata</i> (algae)): > 100 mg/l End point: Growth inhibition Exposure time: 72 h Test Type: static test Test substance: WAF |

12.2 Persistence and degradability

Components:

Lubricating Oils (Petroleum), C20-50, Hydrotreated Neutral Oil-Based

| | |
|------------------|--|
| Biodegradability | : Result: Not readily biodegradable. Biodegradation: 2 - 4 % Exposure time: 28 d Method: OECD Test Guideline 301B |
|------------------|--|

bis(nonylphenyl)amine

| | |
|------------------|--|
| Biodegradability | : Result: Not readily biodegradable. Biodegradation: 0 % Exposure time: 28 d Method: OECD Test Guideline 301B |
|------------------|--|

C14-16-18 Alkyl phenol

| | |
|------------------|---|
| Biodegradability | : Result: Readily biodegradable. Remarks: Expert judgement |
|------------------|---|

12.3 Bioaccumulative potential

Components:

bis(nonylphenyl)amine

| | |
|--|------------------|
| Partition coefficient: n-octanol/water | : log Pow: > 7,5 |
|--|------------------|

C14-16-18 Alkyl phenol

| | |
|--|------------------|
| Partition coefficient: n-octanol/water | : log Pow: > 7,2 |
|--|------------------|

12.4 Mobility in soil

No data available



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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:

Additional ecological information : No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product : Do not dispose of waste into sewer.
Do not contaminate ponds, waterways or ditches with chemical or used container.
Send to a licensed waste management company.

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.
Do not re-use empty containers.

SECTION 14: Transport information

14.1 UN number

Not regulated as a dangerous good

14.2 UN proper shipping name

Not regulated as a dangerous good

14.3 Transport hazard class(es)

Not regulated as a dangerous good

14.4 Packing group

Not regulated as a dangerous good

14.5 Environmental hazards

Not regulated as a dangerous good



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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

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer : Not applicable

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

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

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). : Not applicable

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII) : Not applicable

Directive 96/82/EC does not apply

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.
Not applicable

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



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| | |
|-------|---|
| 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 |

Inventories

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

15.2 Chemical safety assessment

No data available

SECTION 16: Other information

Further information

Internal information : 000000220033

Full text of H-Statements

| | |
|------|--|
| H304 | May be fatal if swallowed and enters airways. |
| H317 | May cause an allergic skin reaction. |
| H373 | May cause damage to organs through prolonged or repeated exposure. |
| H413 | May cause long lasting harmful effects to aquatic life. |

| | |
|-------------------|--|
| 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 |
|-------------------|--|



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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

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



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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-phrases : Risk phrase
REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals
RID : Regulation Concerning the International Transport of Dangerous Goods by Rail
S-phrases: Safety phrase
WGK : German Water Hazard Class