



SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006
SynPower™ MST FE C6 0W-20 Synthetic Motor
Oil

Version: 3.0

Revision Date: 05.07.2023

Print Date: 18/05/2025

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

1.1 Product identifier

Trade name : SynPower™ MST FE C6 0W-20
Synthetic Motor Oil

Product code : 908835

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

Use of the substance/mixture : Engine, gear & lubricating oil.

1.3 Details of the supplier of the safety data sheet

Company : Ellis Enterprises B.V., an affiliate of Valvoline Global
Operations
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 : SDS@valvolineglobal.com
responsible for the SDS

1.4 Emergency telephone number

00-800-825-8654 / 001-859-202-3865

, or contact your local emergency telephone number at 0 30-1 92 40

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.



SAFETY DATA SHEET
 according to Regulation (EC) No. 1907/2006
 SynPower™ MST FE C6 0W-20 Synthetic Motor
 Oil

Version: 3.0

Revision Date: 05.07.2023

Print Date: 18/05/2025

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required

Additional Labelling

EUH210 Safety data sheet available on request.

EUH208 Contains C14-16-18 Alkyl phenol, Magnesium carbonate fumarate hydroxide, monoalkyl(C10-13) benzene sulfonate, monopolybutenylbenzene sulfonate complexes. 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.

Ecological information: 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.

Toxicological information: 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.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC	64742-54-7 265-157-1 649-467-00-8 01-2119484627-25- xxxx	Asp. Tox. 1; H304	>= 80 - < 90
LUBRICATING OILS, PETROLEUM, C20-50, HYDROTREATED	72623-87-1 276-738-4 649-483-00-5 01-2119474889-13-	Asp. Tox. 1; H304	>= 2,5 - < 5



SAFETY DATA SHEET
 according to Regulation (EC) No. 1907/2006
 SynPower™ MST FE C6 0W-20 Synthetic Motor
 Oil

Version: 3.0

Revision Date: 05.07.2023

Print Date: 18/05/2025

	xxxx		
DISTILLATES (PETROLEUM), SOLVENT-DEWAXED HEAVY PARAFFINIC	64742-65-0 265-169-7 649-474-00-6 01-2119471299-27-xxxx	Asp. Tox. 1; H304	>= 1 - < 2,5
CATALYTIC DE WAXED HEAVY PARAFFINIC OIL (PETROLEUM)	64742-70-7 265-174-4 649-477-00-2	Asp. Tox. 1; H304	>= 1 - < 2,5
Long Chain Alkaryl Amine	36878-20-3 253-249-4	Aquatic Chronic 4; H413	>= 1 - < 2,5
Distillates (petroleum), solvent-dewaxed light paraffinic	64742-56-9 265-159-2 649-469-00-9	Asp. Tox. 1; H304	>= 1 - < 2,5
C14-16-18 Alkyl phenol	Not Assigned 01-2119498288-19-xxxx	Skin Sens. 1B; H317 STOT RE 2; H373 (Liver)	>= 1 - < 2,5
Magnesium carbonate fumarate hydroxide, monoalkyl(C10-13) benzene sulfonate, monopolybutenylbenzene sulfonate complexes	252312-98-4	Skin Irrit. 2; H315 Skin Sens. 1B; H317 Aquatic Chronic 3; H412	>= 0,1 - < 0,25

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.
 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 : Flush eyes with water as a precaution.
 Remove contact lenses.
 Protect unharmed eye.
 Keep eye wide open while rinsing.
 If eye irritation persists, consult a specialist.



SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006
SynPower™ MST FE C6 0W-20 Synthetic Motor
Oil

Version: 3.0

Revision Date: 05.07.2023

Print Date: 18/05/2025

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.
Take victim immediately to hospital.

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

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 : Standard procedure for chemical fires.
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

SECTION 6: Accidental release measures



SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006
SynPower™ MST FE C6 0W-20 Synthetic Motor
Oil

Version: 3.0

Revision Date: 05.07.2023

Print Date: 18/05/2025

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.
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

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

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Do not breathe vapours/dust.
For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the
application area.
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. Electrical installations / working materials must comply
with the technological safety standards.

Storage class (TRGS 510) : 10

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



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 according to Regulation (EC) No. 1907/2006
 SynPower™ MST FE C6 0W-20 Synthetic Motor
 Oil

Version: 3.0

Revision Date: 05.07.2023

Print Date: 18/05/2025

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
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC	64742-54-7	AGW (Vapour and aerosols)	5 mg/m3	DE TRGS 900
	Peak-limit: excursion factor (category): 4;(II)			
	Further information: When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child			
LUBRICATING OILS, PETROLEUM, C20-50, HYDROTREATED	72623-87-1	AGW (Vapour and aerosols)	5 mg/m3	DE TRGS 900
	Peak-limit: excursion factor (category): 4;(II)			
	Further information: When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child			
DISTILLATES (PETROLEUM), SOLVENT-DEWAXED HEAVY PARAFFINIC	64742-65-0	AGW (Vapour and aerosols)	5 mg/m3	DE TRGS 900
	Peak-limit: excursion factor (category): 4;(II)			
	Further information: When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child			
Distillates (petroleum), solvent-dewaxed light paraffinic	64742-56-9	AGW (Vapour and aerosols)	5 mg/m3	DE TRGS 900
	Peak-limit: excursion factor (category): 4;(II)			
	Further information: When there is compliance with the OEL and biological			



SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006
SynPower™ MST FE C6 0W-20 Synthetic Motor
Oil

Version: 3.0

Revision Date: 05.07.2023

Print Date: 18/05/2025

tolerance values, there is no risk of harming the unborn child

8.2 Exposure controls

Personal protective equipment

- Eye/face protection : Eye wash bottle with pure water
Tightly fitting safety goggles
- Hand protection
- Material : neoprene, nitrile rubber
 - Break through time : ≥ 240 min
 - Glove thickness : $\geq 0,35$ 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 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. The suitability for a specific workplace should be discussed with the producers of the protective gloves.

- Skin and body protection : Impervious clothing
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

- Physical state : liquid
- Colour : amber
- Odour : No data available
- Odour Threshold : No data available
- Melting point/freezing point : No data available
- Boiling point/boiling range : No data available



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SynPower™ MST FE C6 0W-20 Synthetic Motor
Oil

Version: 3.0

Revision Date: 05.07.2023

Print Date: 18/05/2025

Flammability	:	No data available
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Flash point	:	214 °C Method: Pensky-Martens closed cup
Decomposition temperature	:	No data available
pH	:	Not applicable
Viscosity		
Viscosity, dynamic	:	No data available
Viscosity, kinematic	:	41 mm ² /s (40 °C) Method: ASTM D 445
Solubility(ies)		
Water solubility	:	immiscible
Solubility in other solvents	:	No data available
Partition coefficient: n-octanol/water	:	No data available
Vapour pressure	:	No data available
Relative density	:	No data available
Density	:	0,843 g/cm ³ (15 °C)
Relative vapour density	:	No data available

9.2 Other information

Oxidizing properties	:	No data available
Self-ignition	:	No data available
Evaporation rate	:	No data available



SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006
SynPower™ MST FE C6 0W-20 Synthetic Motor
Oil

Version: 3.0

Revision Date: 05.07.2023

Print Date: 18/05/2025

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 : No decomposition if stored and applied as directed.

10.4 Conditions to avoid

Conditions to avoid : excessive heat

10.5 Incompatible materials

Materials to avoid : Strong bases
Strong oxidizing agents
water

10.6 Hazardous decomposition products

No hazardous decomposition products are known.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Not classified based on available information.

Components:

DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC:

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

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

LUBRICATING OILS, PETROLEUM, C20-50, HYDROTREATED:

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

Acute inhalation toxicity : LC50 (Rat): > 5,58 mg/l



SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006
SynPower™ MST FE C6 0W-20 Synthetic Motor
Oil

Version: 3.0

Revision Date: 05.07.2023

Print Date: 18/05/2025

Exposure time: 4 h
Test atmosphere: dust/mist
Assessment: The substance or mixture has no acute
inhalation toxicity
Remarks: No mortality observed at this dose.

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

DISTILLATES (PETROLEUM), SOLVENT-DEWAXED HEAVY PARAFFINIC:

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

Acute dermal toxicity : LD50 (Rabbit): > 5.000 mg/kg

CATALYTIC DE WAXED HEAVY PARAFFINIC OIL (PETROLEUM):

Acute oral toxicity : LD50 (Rat): > 2.000 mg/kg
Assessment: The substance or mixture has no acute oral
toxicity
Remarks: The toxicological data has been taken from
products of similar composition.

Acute dermal toxicity : LD50 (Rabbit): > 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.

Distillates (petroleum), solvent-dewaxed light paraffinic:

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

Acute inhalation toxicity : LC50 (Rat): > 5,53 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Assessment: The substance or mixture has no acute
inhalation toxicity

Acute dermal toxicity : LD50 (Rabbit): > 5.000 mg/kg

C14-16-18 Alkyl phenol:

Acute oral toxicity : LD50 (Rat): > 2.000 mg/kg
Assessment: The substance or mixture has no acute oral
toxicity



SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006
SynPower™ MST FE C6 0W-20 Synthetic Motor
Oil

Version: 3.0

Revision Date: 05.07.2023

Print Date: 18/05/2025

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.

Magnesium carbonate fumarate hydroxide, monoalkyl(C10-13) benzene sulfonate, monopolybutenylbenzene sulfonate complexes:

Acute oral toxicity : LD50 (Rat): > 2.000 mg/kg

Acute dermal toxicity : LD50 (Rat): > 2.000 mg/kg
Assessment: The substance or mixture has no acute dermal toxicity

Skin corrosion/irritation

Not classified based on available information.

Components:

DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC:

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

LUBRICATING OILS, PETROLEUM, C20-50, HYDROTREATED:

Species : Rabbit
Result : No skin irritation

DISTILLATES (PETROLEUM), SOLVENT-DEWAXED HEAVY PARAFFINIC:

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

CATALYTIC DE WAXED HEAVY PARAFFINIC OIL (PETROLEUM):

Result : Slight, transient irritation

Long Chain Alkaryl Amine:

Result : No skin irritation

Distillates (petroleum), solvent-dewaxed light paraffinic:

Species : Rabbit
Result : Slight, transient irritation

C14-16-18 Alkyl phenol:



SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006
SynPower™ MST FE C6 0W-20 Synthetic Motor
Oil

Version: 3.0

Revision Date: 05.07.2023

Print Date: 18/05/2025

Method : OECD Test Guideline 431
Result : No skin irritation

Magnesium carbonate fumarate hydroxide, monoalkyl(C10-13) benzene sulfonate, monopolybutenylbenzene sulfonate complexes:

Species : Rabbit
Result : Irritating to skin.

Serious eye damage/eye irritation

Not classified based on available information.

Components:

DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC:

Assessment : No eye irritation
Result : No eye irritation

LUBRICATING OILS, PETROLEUM, C20-50, HYDROTREATED:

Species : Rabbit
Result : No eye irritation

DISTILLATES (PETROLEUM), SOLVENT-DEWAXED HEAVY PARAFFINIC:

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

CATALYTIC DE WAXED HEAVY PARAFFINIC OIL (PETROLEUM):

Result : Slight, transient irritation

Long Chain Alkaryl Amine:

Result : No eye irritation

Distillates (petroleum), solvent-dewaxed light paraffinic:

Species : Rabbit
Result : Slight, transient irritation

C14-16-18 Alkyl phenol:

Species : Rabbit
Result : Slight, transient irritation



SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006
SynPower™ MST FE C6 0W-20 Synthetic Motor
Oil

Version: 3.0

Revision Date: 05.07.2023

Print Date: 18/05/2025

Magnesium carbonate fumarate hydroxide, monoalkyl(C10-13) benzene sulfonate, monopolybutenybenzene sulfonate complexes:

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.

Components:

LUBRICATING OILS, PETROLEUM, C20-50, HYDROTREATED:

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

Distillates (petroleum), solvent-dewaxed light paraffinic:

Test Type : Buehler Test
Species : Guinea pig
Assessment : Does not cause skin sensitisation.
Method : OECD Test Guideline 406

C14-16-18 Alkyl phenol:

Test Type : Local lymph node assay
Species : Mouse
Assessment : The product is a skin sensitiser, sub-category 1B.
Method : OECD Test Guideline 429

Magnesium carbonate fumarate hydroxide, monoalkyl(C10-13) benzene sulfonate, monopolybutenybenzene sulfonate complexes:

Test Type : Maximisation Test
Species : Guinea pig
Assessment : The product is a skin sensitiser, sub-category 1B.
Method : OPPTS 870.2600



SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006
SynPower™ MST FE C6 0W-20 Synthetic Motor
Oil

Version: 3.0

Revision Date: 05.07.2023

Print Date: 18/05/2025

Germ cell mutagenicity

Not classified based on available information.

Components:

C14-16-18 Alkyl phenol:

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

Magnesium carbonate fumarate hydroxide, monoalkyl(C10-13) benzene sulfonate, monopolybutenylbenzene sulfonate complexes:

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

LUBRICATING OILS, PETROLEUM, C20-50, HYDROTREATED:

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

DISTILLATES (PETROLEUM), SOLVENT-DEWAXED HEAVY PARAFFINIC:

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

CATALYTIC DE WAXED HEAVY PARAFFINIC OIL (PETROLEUM):

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

Distillates (petroleum), solvent-dewaxed light paraffinic:

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



SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006
SynPower™ MST FE C6 0W-20 Synthetic Motor
Oil

Version: 3.0

Revision Date: 05.07.2023

Print Date: 18/05/2025

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.

Aspiration toxicity

Not classified based on available information.

Components:

DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC:

May be fatal if swallowed and enters airways.

LUBRICATING OILS, PETROLEUM, C20-50, HYDROTREATED:

May be fatal if swallowed and enters airways.

DISTILLATES (PETROLEUM), SOLVENT-DEWAXED HEAVY PARAFFINIC:

May be fatal if swallowed and enters airways.

CATALYTIC DE WAXED HEAVY PARAFFINIC OIL (PETROLEUM):

May be fatal if swallowed and enters airways.

Distillates (petroleum), solvent-dewaxed light paraffinic:

The substance or mixture is known to cause human aspiration toxicity hazards or has to be regarded as if it causes a human aspiration toxicity hazard.

11.2 Information on other hazards

Endocrine disrupting properties

Product:



SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006
SynPower™ MST FE C6 0W-20 Synthetic Motor
Oil

Version: 3.0

Revision Date: 05.07.2023

Print Date: 18/05/2025

Assessment : 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.

Further information

Product:

Remarks : No data available

SECTION 12: Ecological information

12.1 Toxicity

Product:

Ecotoxicology Assessment

Acute aquatic toxicity : Not classified based on available information.

Chronic aquatic toxicity : Not classified based on available information.

Components:

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/aquatic plants : 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

Ecotoxicology Assessment

Acute aquatic toxicity : Not classified based on available information.



SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006
SynPower™ MST FE C6 0W-20 Synthetic Motor
Oil

Version: 3.0

Revision Date: 05.07.2023

Print Date: 18/05/2025

Chronic aquatic toxicity : Not classified based on available information.

LUBRICATING OILS, PETROLEUM, C20-50, HYDROTREATED:

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 aquatic invertebrates : EL50 (Daphnia magna (Water flea)): > 10.000 mg/l
Exposure time: 48 h
Test Type: static test
Test substance: WAF
Method: OECD Test Guideline 202

Toxicity to algae/aquatic plants : NOEL (Pseudokirchneriella subcapitata (green algae)): >= 100 mg/l
End point: Growth inhibition
Exposure time: 72 h
Test Type: static test
Test substance: WAF
Method: OECD Test Guideline 201

Toxicity to fish (Chronic toxicity) : NOELR: >= 1.000 mg/l
Exposure time: 14 d
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

Ecotoxicology Assessment

Acute aquatic toxicity : Not classified based on available information.

Chronic aquatic toxicity : Not classified based on available information.

DISTILLATES (PETROLEUM), SOLVENT-DEWAXED HEAVY PARAFFINIC:

Ecotoxicology Assessment

Acute aquatic toxicity : Not classified based on available information.



SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006
SynPower™ MST FE C6 0W-20 Synthetic Motor
Oil

Version: 3.0

Revision Date: 05.07.2023

Print Date: 18/05/2025

Chronic aquatic toxicity : Not classified based on available information.

CATALYTIC DE WAXED HEAVY PARAFFINIC OIL (PETROLEUM):

Ecotoxicology Assessment

Acute aquatic toxicity : Not classified based on available information.

Chronic aquatic toxicity : Not classified based on available information.

Long Chain Alkaryl Amine:

Ecotoxicology Assessment

Acute aquatic toxicity : Not classified based on available information.

Chronic aquatic toxicity : May cause long lasting harmful effects to aquatic life.

Chronic aquatic toxicity Category 4; May cause long lasting harmful effects to aquatic life.

Distillates (petroleum), solvent-dewaxed light paraffinic:

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

Toxicity to daphnia and other aquatic invertebrates : EL50 (Daphnia magna (Water flea)): > 10.000 mg/l
Exposure time: 48 h
Test Type: static test
Test substance: WAF
Method: OECD Test Guideline 202

Toxicity to algae/aquatic plants : 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 daphnia and other aquatic invertebrates (Chronic toxicity) : NOEL: 10 mg/l
Exposure time: 21 d
Species: Daphnia magna (Water flea)
Test Type: semi-static test



SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006
SynPower™ MST FE C6 0W-20 Synthetic Motor
Oil

Version: 3.0

Revision Date: 05.07.2023

Print Date: 18/05/2025

Test substance: WAF
Method: OECD Test Guideline 211

Ecotoxicology Assessment

Acute aquatic toxicity : Not classified based on available information.

Chronic aquatic toxicity : Not classified based on available information.

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

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 100 mg/l
Exposure time: 48 h
Test Type: static test
Method: OECD Test Guideline 202

Toxicity to algae/aquatic plants : EC50 (Pseudokirchneriella subcapitata (algae)): > 100 mg/l
End point: Growth inhibition
Exposure time: 72 h
Test Type: static test
Test substance: WAF

Ecotoxicology Assessment

Acute aquatic toxicity : Not classified based on available information.

Chronic aquatic toxicity : Not classified based on available information.

Magnesium carbonate fumarate hydroxide, monoalkyl(C10-13) benzene sulfonate, monopolybutenylbenzene sulfonate complexes:

Toxicity to fish : LL50 (Oncorhynchus mykiss (rainbow trout)): > 94,8 mg/l
Exposure time: 96 h
Test Type: semi-static test
Test substance: WAF
Method: OECD Test Guideline 203
Remarks: No toxicity at the limit of solubility
The toxicological data has been taken from products of similar composition.

Toxicity to daphnia and other aquatic invertebrates : EL50 (Daphnia magna (Water flea)): 50 mg/l
Exposure time: 48 h



SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006
SynPower™ MST FE C6 0W-20 Synthetic Motor
Oil

Version: 3.0

Revision Date: 05.07.2023

Print Date: 18/05/2025

Test Type: static test
Test substance: WAF
Method: OECD Test Guideline 202

Toxicity to algae/aquatic plants : EL50 (Pseudokirchneriella subcapitata (green algae)): 14 mg/l
End point: Growth inhibition
Exposure time: 72 h
Test Type: static test
Test substance: WAF
Method: OECD Test Guideline 201
Remarks: The toxicological data has been taken from products of similar composition.

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOELR: 100 mg/l
Exposure time: 21 d
Species: Daphnia magna (Water flea)
Test Type: semi-static test
Test substance: WAF
Method: OECD Test Guideline 211

Ecotoxicology Assessment

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

Chronic aquatic toxicity : Chronic aquatic toxicity Category 3; Harmful to aquatic life with long lasting effects.

12.2 Persistence and degradability

Components:

LUBRICATING OILS, PETROLEUM, C20-50, HYDROTREATED:

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

Distillates (petroleum), solvent-dewaxed light paraffinic:

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

C14-16-18 Alkyl phenol:

Biodegradability : Result: Readily biodegradable.



SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006
SynPower™ MST FE C6 0W-20 Synthetic Motor
Oil

Version: 3.0

Revision Date: 05.07.2023

Print Date: 18/05/2025

Remarks: Expert judgement

Magnesium carbonate fumarate hydroxide, monoalkyl(C10-13) benzene sulfonate, monopolybutenylbenzene sulfonate complexes:

Biodegradability : Result: Not readily biodegradable.
Biodegradation: 23 %
Exposure time: 28 d
Method: OECD Test Guideline 301B
Remarks: The toxicological data has been taken from products of similar composition.

12.3 Bioaccumulative potential

Components:

C14-16-18 Alkyl phenol:

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

Magnesium carbonate fumarate hydroxide, monoalkyl(C10-13) benzene sulfonate, monopolybutenylbenzene sulfonate complexes:

Partition coefficient: n-octanol/water : log Pow: > 5,1 (20 °C)
Method: OECD Test Guideline 107

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 Endocrine disrupting properties

Product:

Assessment : 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.



SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006
SynPower™ MST FE C6 0W-20 Synthetic Motor
Oil

Version: 3.0

Revision Date: 05.07.2023

Print Date: 18/05/2025

12.7 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.
Do not re-use empty containers.

SECTION 14: Transport information

14.1 UN number or ID number

ADN : Not regulated as a dangerous good
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

ADN : Not regulated as a dangerous good
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)

ADN : Not regulated as a dangerous good



SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006
SynPower™ MST FE C6 0W-20 Synthetic Motor
Oil

Version: 3.0

Revision Date: 05.07.2023

Print Date: 18/05/2025

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

ADN : Not regulated as a dangerous good
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 Maritime transport in bulk according to IMO instruments

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

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII) : Conditions of restriction for the following entries should be considered:
Number on list 75
If you intend to use this product as tattoo ink, please contact your vendor.

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). : Not applicable
Regulation (EC) No 1005/2009 on substances that : Not applicable



SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006
SynPower™ MST FE C6 0W-20 Synthetic Motor
Oil

Version: 3.0

Revision Date: 05.07.2023

Print Date: 18/05/2025

deplete the ozone layer
Regulation (EU) 2019/1021 on persistent organic pollutants (recast) : Not applicable
REACH - List of substances subject to authorisation (Annex XIV) : 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. Not applicable

Water hazard class (Germany) : WGK 3 highly hazardous to water
TA Luft List (Germany) : 5.2.1: Total dust: Not applicable
5.2.2: Inorganic substances in powdered form: Not applicable
5.2.4: Inorganic substances in gaseous form: Not applicable
5.2.5: Organic Substances:
Class 1: 6,75 % LUBRICATING OILS, PETROLEUM, C20-50, HYDROTREATED, DISTILLATES (PETROLEUM), SOLVENT-DEWAXED HEAVY PARAFFINIC, Distillates (petroleum), solvent-dewaxed light paraffinic
5.2.7.1.1: Carcinogenic substance: Not applicable
5.2.7.1.1: Quartz fine dust PM4: Not applicable
5.2.7.1.1: Formaldehyde: Not applicable
5.2.7.1.1: fibres: Not applicable
5.2.7.1.2: Germ cell mutagens: Not applicable
5.2.7.1.3: Substances toxic to reproduction: Not applicable
5.2.7.2: Poorly degradable, easily enrichable and highly toxic organic substances: Not applicable

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.



SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006
SynPower™ MST FE C6 0W-20 Synthetic Motor
Oil

Version: 3.0

Revision Date: 05.07.2023

Print Date: 18/05/2025

AIIC	:	Not in compliance with the inventory
DSL	:	All components of this product are on the Canadian DSL
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	:	All components are listed on the inventory, regulatory obligations/restrictions apply
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

H304	:	May be fatal if swallowed and enters airways.
H315	:	Causes skin irritation.
H317	:	May cause an allergic skin reaction.
H373	:	May cause damage to organs through prolonged or repeated exposure.
H412	:	Harmful to aquatic life with long lasting effects.
H413	:	May cause long lasting harmful effects to aquatic life.

Full text of other abbreviations

Aquatic Chronic	:	Long-term (chronic) aquatic hazard
Asp. Tox.	:	Aspiration hazard
Skin Irrit.	:	Skin irritation
Skin Sens.	:	Skin sensitisation
STOT RE	:	Specific target organ toxicity - repeated exposure
DE TRGS 900	:	Germany. TRGS 900 - Occupational exposure limit values.
DE TRGS 900 / AGW	:	Time Weighted Average



SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006
SynPower™ MST FE C6 0W-20 Synthetic Motor
Oil

Version: 3.0

Revision Date: 05.07.2023

Print Date: 18/05/2025

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; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Further information

Internal information : 000000279169

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006
SynPower™ MST FE C6 0W-20 Synthetic Motor
Oil

Version: 3.0

Revision Date: 05.07.2023

Print Date: 18/05/2025
