

according to Regulation (EC) No. 1907/2006 Valvoline™ ALL CLIMATE C2/C3 5W30 Synthetic Blend Motor Oil

Version: 9.0 Revision Date: 05.07.2023 Print Date: 28/05/2025

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

1.1 Product identifier

Trade name : Valvoline™ ALL CLIMATE C2/C3 5W30

Synthetic Blend Motor Oil

Product code : 881923

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

responsible for the SDS

SDS@valvolineglobal.com

1.4 Emergency telephone number

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

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

Not a hazardous substance or mixture.



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2.2 Label elements

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

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

Additional Labelling

EUH210 Safety data sheet available on request.

2.3 Other hazards

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

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
HYDROTREATED LIGHT PARAFFINIC DISTILLATE	64742-55-8 265-158-7 649-468-00-3 01-2119487077-29- xxxx	Asp. Tox. 1; H304	>= 25 - < 40
LUBRICATING OILS, PETROLEUM, C20-50, HYDROTREATED	72623-87-1 276-738-4 649-483-00-5 01-2119474889-13- xxxx	Asp. Tox. 1; H304	>= 10 - < 15
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
Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased	68784-26-9 272-234-3 01-2119524004-56- xxxx	Aquatic Chronic 4; H413	>= 1 - < 2.5

For explanation of abbreviations see section 16.



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SECTION 4: First aid measures

4.1 Description of first aid measures

General advice : Do not leave the victim unattended.

If inhaled : If unconscious, place in recovery position and seek medical

advice

If symptoms persist, call a physician.

In case of eye contact : Remove contact lenses.

Protect unharmed eye.

If eye irritation persists, consult a specialist.

If swallowed : Keep respiratory tract clear.

Do not give milk or alcoholic beverages.

Never give anything by mouth to an unconscious person.

If symptoms persist, call a physician.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms : No symptoms known or expected.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment : No hazards which require special first aid measures.

Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or

carbon dioxide.

Unsuitable extinguishing

media

: High volume water jet

5.2 Special hazards arising from the substance or mixture

Hazardous combustion : carbon dioxide and carbon monoxide

products sulfur oxides



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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

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 : 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 : Wipe up with absorbent material (e.g. cloth, fleece).

Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

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

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : For personal protection see section 8.

Smoking, eating and drinking should be prohibited in the

application area.

Advice on protection against

fire and explosion

Normal measures for preventive fire protection.

Hygiene measures : General industrial hygiene practice.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage : Electrical installations / working materials must comply with



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areas and containers the technological safety standards.

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

Further information on

storage stability

No decomposition if stored and applied as directed.

7.3 Specific end use(s)

Specific use(s) : No data available

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Contains no substances with occupational exposure limit values.

Derived No Effect Level (DNEL):

Substance name	End Use	Exposure routes	Potential health effects	Value
Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased	Workers	Inhalation	Long-term systemic effects	7.05 mg/m3
	Workers	Inhalation	Acute systemic effects	167 mg/m3
	Workers	Dermal	Long-term systemic effects	2.08 mg/kg
	Workers	Dermal	Acute systemic effects	80 mg/kg
	Consumer use	Inhalation	Long-term systemic effects	1.74 mg/m3
	Consumer use	Inhalation	Acute systemic effects	0.167 mg/m3
	Consumer use	Dermal	Long-term systemic effects	1.04 mg/kg
	Consumer use	Dermal	Acute systemic effects	40 mg/kg
	Consumer use	Oral	Long-term systemic effects	0.5 mg/kg

Predicted No Effect Concentration (PNEC):

Substance name	Environmental Compartment	Value
Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased	Sewage treatment plant	100 mg/l



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Marine sediment	3480 mg/kg
Fresh water sediment	43500 mg/kg
Soil	8850 mg/kg

8.2 Exposure controls

Personal protective equipment

Eye/face protection :

Hand protection

Material : neoprene, nitrile rubber

Break through time : >= 240 minGlove thickness : >= 0.35 mm

Directive : Equipment should conform to EN 374

Remarks : The selected protective gloves have to satisfy the

Safety glasses

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.

Skin and body protection

Protective suit

Respiratory protection

No personal respiratory protective equipment normally

required.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : liquid
Colour : amber
Odour : oily

Odour Threshold : No data available

pH : Not applicable

Pour point : < -36 °C

Boiling point/boiling range : No data available



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Flash point : 222 °C

Method: Cleveland open cup

Evaporation rate : No data available

Flammability (solid, gas) : No data available

Upper explosion limit / Upper

flammability limit

No data available

Lower explosion limit / Lower

flammability limit

No data available

Vapour pressure : No data available

Relative vapour density : No data available

Relative density : No data available

Density : ca. 0.854 g/cm3 (15.6 °C)

Bulk density : Not applicable

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. 72 mm2/s (40 °C)

Oxidizing properties : No data available

9.2 Other information

Self-ignition : No data available



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SECTION 10: Stability and reactivity

10.1 Reactivity

No decomposition if stored and applied as directed.

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Hazardous reactions : Stable under recommended storage conditions.

No hazards to be specially mentioned.

10.4 Conditions to avoid

Conditions to avoid : excessive heat

10.5 Incompatible materials

Materials to avoid : Strong oxidizing agents

10.6 Hazardous decomposition products

No hazardous decomposition products are known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Not classified based on available information.

Components:

LUBRICATING OILS, PETROLEUM, C20-50, HYDROTREATED:

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: 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.



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DISTILLATES (PETROLEUM), SOLVENT-DEWAXED HEAVY PARAFFINIC:

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

Acute dermal toxicity : LD50 (Rabbit): > 5,000 mg/kg

Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased:

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

Acute dermal toxicity : LD50 (Rabbit): > 5,000 mg/kg

Skin corrosion/irritation

Not classified based on available information.

Components:

HYDROTREATED LIGHT PARAFFINIC DISTILLATE:

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

Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased:

Species : Rabbit

Result : No skin irritation

Serious eye damage/eye irritation

Not classified based on available information.

Product:

Result : No eye irritation

Components:

HYDROTREATED LIGHT PARAFFINIC DISTILLATE:

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



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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

Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased:

Species : Rabbit

Result : No eye irritation

Respiratory or skin sensitisation

Skin sensitisation

Not classified based on available information.

Respiratory sensitisation

Not classified based on available information.

Components:

LUBRICATING OILS, PETROLEUM, C20-50, HYDROTREATED:

Test Type : Buehler Test Species : Guinea pig

Assessment : Does not cause skin sensitisation.

Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased:

Test Type : Maximisation Test

Species : Guinea pig

Assessment : Does not cause skin sensitisation.

Test Type : Human Repeat Insult Patch Testing (HRIPT)

Assessment : Does not cause skin sensitisation.

Germ cell mutagenicity

Not classified based on available information.



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Components:

Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased:

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:

HYDROTREATED LIGHT PARAFFINIC DISTILLATE:

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

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

LUBRICATING OILS, PETROLEUM, C20-50, HYDROTREATED:

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

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

DISTILLATES (PETROLEUM), SOLVENT-DEWAXED HEAVY PARAFFINIC:

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.

Aspiration toxicity

Not classified based on available information.

Components:

HYDROTREATED LIGHT PARAFFINIC DISTILLATE:

May be fatal if swallowed and enters airways.

LUBRICATING OILS, PETROLEUM, C20-50, HYDROTREATED:

May be fatal if swallowed and enters airways.



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DISTILLATES (PETROLEUM), SOLVENT-DEWAXED HEAVY PARAFFINIC:

May be fatal if swallowed and enters airways.

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:

HYDROTREATED LIGHT PARAFFINIC DISTILLATE:

Ecotoxicology Assessment

Acute aquatic toxicity : Not classified based on available information.

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 : EL50 (Daphnia magna (Water flea)): > 10,000 mg/l

aquatic invertebrates Exposure time: 48 h

Test Type: static test



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Test substance: WAF

Method: OECD Test Guideline 202

Toxicity to algae/aquatic NOEL (Pseudokirchneriella subcapitata (green algae)): >=

plants

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

Species: Oncorhynchus mykiss (rainbow trout)

Toxicity to daphnia and other : NOEL: 10 mg/l

aquatic invertebrates Exposure time: 21 d

(Chronic toxicity) 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

Not classified based on available information. Acute aquatic toxicity

Chronic aquatic toxicity Not classified based on available information.

Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased:

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): > 1.0 mg/l

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

Remarks: No toxicity at the limit of solubility

Toxicity to daphnia and other : EL50 (Daphnia magna (Water flea)): > 1.0 mg/l aquatic invertebrates Exposure time: 48 h

Test Type: static test Test substance: WAF



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Remarks: No toxicity at the limit of solubility

Toxicity to algae/aquatic : NOELR (Pseudokirchneriella subcapitata (green algae)): End

plants point: Growth inhibition
Exposure time: 96 h
Test Type: static test

Test substance: WAF

Remarks: No toxicity at the limit of solubility

Ecotoxicology Assessment

Acute aquatic toxicity : Not classified based on available information.

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

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

Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased:

Biodegradability : Result: Not readily biodegradable.

Biodegradation: < 10 % Exposure time: 28 d

Method: Modified Sturm Test

Remarks: The toxicological data has been taken from

products of similar composition.

12.3 Bioaccumulative potential

Components:

Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased:

Partition coefficient: n- : log Pow: 9.5

octanol/water

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:

Endocrine disrupting

potential

: The substance/mixture does not contain components

considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at

levels of 0.1% or higher.

Additional ecological

information

: No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Contaminated packaging : Empty containers should be taken to an approved waste

handling site for recycling or disposal.

Waste Code : The Waste code should be assigned in discussion between

the user, the producer and the waste disposal company.

The following Waste Codes are only suggestions: 13 02 05, mineral-based non-chlorinated engine, gear and

lubricating oils

SECTION 14: Transport information

14.1 UN number

ADR : Not regulated as a dangerous good

RID : Not regulated as a dangerous good

IMDG : Not regulated as a dangerous good

Not regulated as a dangerous good

IATA_P : Not regulated as a dangerous good

14.2 UN proper shipping name



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ADR : Not regulated as a dangerous good

RID : Not regulated as a dangerous good

IMDG : Not regulated as a dangerous good

IATA P : Not regulated as a dangerous good

14.3 Transport hazard class(es)

ADR : Not regulated as a dangerous good

RID : Not regulated as a dangerous good

IMDG : Not regulated as a dangerous good

IATA_P : Not regulated as a dangerous good

14.4 Packing group

ADR : Not regulated as a dangerous good

RID : Not regulated as a dangerous good

IMDG : Not regulated as a dangerous good

IATA (Cargo) : Not regulated as a dangerous good

IATA_P (Passenger) : Not regulated as a dangerous good

14.5 Environmental hazards

Not regulated as a dangerous good

14.6 Special precautions for user

Not applicable

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

Not applicable for product as supplied.

Dangerous goods descriptions (if indicated above) may not reflect quantity, end-use or region-specific exceptions that can be applied. Consult shipping documents for descriptions that are specific to the shipment.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixtureRelevant EU provisions transposed through retained EU law

UK REACH Candidate list of substances of very high : Not applicable

concern (SVHC) for Authorisation

The Persistent Organic Pollutants Regulations (retained : Not applicable

Regulation (EU) 2019/1021 as amended for Great



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Britain)

Regulation (EC) No 1005/2009 on substances that : Not applicable

deplete the ozone layer

UK REACH List of substances subject to authorisation : Not applicable

(Annex XIV)

Control of Major Accident Hazards Regulations Not applicable

2015 (COMAH)

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

TSCA : All substances listed as active on the TSCA inventory

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 : On the inventory, or in compliance with the inventory

NZIoC : On the inventory, or 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.

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

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road;



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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 Cooperation and Development: OPPTS - Office of Chemical Safety and Pollution Prevention: PBT -Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration. Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of very high concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Further information

Internal information: 000000272309

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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