SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 Valvoline™ FOOD CALSUL 2 GREASE

Version: 2.0 Revision Date: 14.02.2023 Print Date: 04/07/2023

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

1.1 Product identifier

Trade name : Valvoline™ FOOD CALSUL 2

GREASE

Product code : 891550

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

Use of the substance/mixture : Lubricant

1.3 Details of the supplier of the safety data sheet

Company : Ellis Enterprises B.V., an affiliate of Valvoline

Wieldrechtseweg 39 3316 BG Dordrecht

Netherlands

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

CSR contact person

E-mail address of person responsible for the SDS

SDS@valvoline.com

1.4 Emergency telephone number

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

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

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.

EUH208 Contains Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts, SULFONIC

ACIDS, PETROLEUM, CALCIUM SALTS-TOTAL BASE NUMBER (TBN) <300.

May produce an allergic reaction.

2.3 Other hazards

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

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
SULFONIC ACIDS, PETROLEUM, CALCIUM SALTS-TOTAL BASE NUMBER (TBN) <300	61789-86-4 263-093-9 01-2119488992-18- xxxx	Skin Sens. 1B; H317	>= 5 - < 10
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts	68584-23-6 271-529-4 01-2119492627-25- xxxx	Skin Sens. 1B; H317 ————————————————————————————————————	>= 5 - < 10
CALCIUM DODECYLBENZENE SULFONATE	26264-06-2 247-557-8 01-2120122335-68-	Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Dam. 1; H318	>= 2.5 - < 3



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xxxx Aquatic Chronic 3; H412

For explanation of abbreviations see section 16.

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



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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

carbon dioxide and carbon monoxide

Nitrogen oxides (NOx)

5.3 Advice for firefighters

Special protective equipment :

for firefighters

Wear self-contained breathing apparatus for firefighting if

necessary.

Further information : Collect contaminated fire extinguishing water separately. This

must not be discharged into drains.

Fire residues and contaminated fire extinguishing water must

be disposed of in accordance with local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

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

Use personal protective equipment.

6.2 Environmental precautions

Environmental precautions : Prevent product from entering drains.

If the product contaminates rivers and lakes or drains inform

respective authorities.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up : 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.

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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

areas and containers

Containers which are opened must be carefully resealed and kept upright to prevent leakage. Electrical installations / working materials must comply with the technological safety

standards.

No materials to be especially mentioned. Advice on common storage

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.

Predicted No Effect Concentration (PNEC):

Substance name	Environmental Compartment	Value
SULFONIC ACIDS,	Sewage treatment plant	1000 mg/l
PETROLEUM, CALCIUM		
SALTS-TOTAL BASE NUMBER		
(TBN) <300		
	Marine sediment	226000000
		mg/kg
	Fresh water sediment	226000000
		mg/kg
	Soil	271000000
		mg/kg

8.2 Exposure controls

Personal protective equipment

Eye/face protection Safety glasses

Hand protection

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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

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

Odour : No data available

Odour Threshold : No data available

pH : Not applicable

Melting point/freezing point : No data available

Boiling point/boiling range : No data available

Flash point : > 260 °C

Method: Cleveland open cup

Evaporation rate : No data available

Flammability (solid, gas) : No data available

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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. 0.9 g/cm3 (15.6 °C)

Solubility(ies)

Water solubility : immiscible

Solubility in other solvents : No data available

Partition coefficient: n-

octanol/water

No data available

Decomposition temperature : No data available

Viscosity

Viscosity, dynamic : No data available

Viscosity, kinematic : ca. 400 mm2/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

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

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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 : hydrofluoric acid

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.

Product:

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

Method: Calculation method

Components:

SULFONIC ACIDS, PETROLEUM, CALCIUM SALTS-TOTAL BASE NUMBER (TBN) <300:

Acute oral toxicity : LD50 (Rat): > 16,000 mg/kg

Acute inhalation toxicity : LC50 (Rat): > 1.9 mg/l

Exposure time: 4 h

Test atmosphere: dust/mist

Assessment: The component/mixture is minimally toxic after

short term inhalation.

Acute dermal toxicity : LD50 (Rabbit): > 4,000 mg/kg

Assessment: The substance or mixture has no acute dermal

toxicity

Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts:

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

Remarks: No mortality observed at this dose.

The toxicological data has been taken from products of similar

composition.

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Acute inhalation toxicity : LC50 (Rat): > 1.9 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.

The toxicological data has been taken from products of similar

composition.

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

Remarks: No mortality observed at this dose.

The toxicological data has been taken from products of similar

composition.

CALCIUM DODECYLBENZENE SULFONATE:

Acute oral toxicity : LD50 (Rat): 1,300 mg/kg

Remarks: The toxicological data has been taken from

products of similar composition.

Skin corrosion/irritation

Not classified based on available information.

Product:

Result : No skin irritation

Components:

SULFONIC ACIDS, PETROLEUM, CALCIUM SALTS-TOTAL BASE NUMBER (TBN) <300:

Species : Rabbit

Result : Slight, transient irritation

Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts:

Species : Rabbit

Result : No skin irritation

Remarks : The toxicological data has been taken from products of similar

composition.

CALCIUM DODECYLBENZENE SULFONATE:

Assessment : Irritating to skin.
Result : Irritating to skin.

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Serious eye damage/eye irritation

Not classified based on available information.

Product:

Result : No eye irritation

Components:

SULFONIC ACIDS, PETROLEUM, CALCIUM SALTS-TOTAL BASE NUMBER (TBN) <300:

Species : Rabbit

Result : Slight, transient irritation

Result : No eye irritation

Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts:

Species : Rabbit

Result : No eye irritation

CALCIUM DODECYLBENZENE SULFONATE:

Result : Risk of serious damage to eyes.

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:

SULFONIC ACIDS, PETROLEUM, CALCIUM SALTS-TOTAL BASE NUMBER (TBN) <300:

Species : Guinea pig

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

Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts:

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

Remarks : The toxicological data has been taken from products of similar

composition.

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Germ cell mutagenicity

Not classified based on available information.

Components:

SULFONIC ACIDS, PETROLEUM, CALCIUM SALTS-TOTAL BASE NUMBER (TBN) <300:

Genotoxicity in vitro : Test Type: Ames test

Test system: Salmonella typhimurium

Metabolic activation: with and without metabolic activation

Result: negative

Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts:

Genotoxicity in vitro : Test Type: Ames test

Metabolic activation: with and without metabolic activation

Result: negative

Remarks: The toxicological data has been taken from

products of similar composition.

Carcinogenicity

Not classified based on available information.

Reproductive toxicity

Not classified based on available information.

STOT - single exposure

Not classified based on available information.

STOT - repeated exposure

Not classified based on available information.

Aspiration toxicity

Not classified based on available information.

Further information

Product:

Remarks : No data available

SECTION 12: Ecological information

12.1 Toxicity

Product:

Ecotoxicology Assessment

Acute aquatic toxicity : Harmful to aquatic life.



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Chronic aquatic toxicity : Not classified based on available information.

Components:

SULFONIC ACIDS, PETROLEUM, CALCIUM SALTS-TOTAL BASE NUMBER (TBN) <300:

Toxicity to fish : LL50 (Cyprinodon variegatus (sheepshead minnow)): >

10,000 mg/l

Exposure time: 96 h Test substance: WAF

Method: OECD Test Guideline 203

aquatic invertebrates

Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): > 1,000 mg/l

Exposure time: 48 h Test Type: static test Test substance: WAF

Remarks: The toxicological data has been taken from

products of similar composition.

Toxicity to algae/aquatic

plants

NOEC (Pseudokirchneriella subcapitata (green algae)): 1,000

mg/l

End point: Growth inhibition Exposure time: 72 h Test Type: static test

Test substance: WAF

Remarks: The toxicological data has been taken from

products of similar composition.

Ecotoxicology Assessment

Acute aquatic toxicity Not classified based on available information.

Chronic aquatic toxicity Not classified based on available information.

Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts:

: LL50 (Pimephales promelas (fathead minnow)): > 1,000 mg/l Toxicity to fish

> Exposure time: 96 h Test Type: static test Test substance: WAF

Remarks: The toxicological data has been taken from

products of similar composition.

aquatic invertebrates

Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): > 1,000 mg/l

Exposure time: 48 h Test Type: static test Test substance: WAF

Remarks: The toxicological data has been taken from

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products of similar composition.

Toxicity to algae/aguatic

plants

: EC50 (Pseudokirchneriella subcapitata (green algae)): >

1.000 ma/l

End point: Growth inhibition Exposure time: 72 h Test Type: static test Test substance: WAF

Remarks: The toxicological data has been taken from

products of similar composition.

Ecotoxicology Assessment

Acute aquatic toxicity Not classified based on available information.

Chronic aquatic toxicity Not classified based on available information.

CALCIUM DODECYLBENZENE SULFONATE:

Toxicity to fish : LC50 (Fish): estimated 2.6 mg/l

Exposure time: 96 h

aquatic invertebrates

Toxicity to daphnia and other : LC50 (Daphnia (water flea)): estimated 2.6 mg/l

Exposure time: 48 h

Toxicity to algae/aquatic

plants

: NOEC (Algae, algal mat (Algae)): 1 - < 10 mg/l

End point: Growth inhibition

Exposure time: 72 h

Remarks: The toxicological data has been taken from

products of similar composition.

Ecotoxicology Assessment

Acute aquatic toxicity Acute aquatic toxicity Category 2; Toxic 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:

SULFONIC ACIDS, PETROLEUM, CALCIUM SALTS-TOTAL BASE NUMBER (TBN) <300:

Biodegradability Result: Not readily biodegradable.

Biodegradation: 1.5 % Exposure time: 28 d

Method: OECD Test Guideline 301B

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Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts:

Biodegradability : Result: Not readily biodegradable.

Remarks: The toxicological data has been taken from

products of similar composition.

CALCIUM DODECYLBENZENE SULFONATE:

Biodegradability : Result: Readily biodegradable.

Biodegradation: 71 % Exposure time: 28 d

Remarks: The toxicological data has been taken from

products of similar composition.

12.3 Bioaccumulative potential

Components:

SULFONIC ACIDS, PETROLEUM, CALCIUM SALTS-TOTAL BASE NUMBER (TBN) <300:

Partition coefficient: n- : log Pow: > 6.65

octanol/water Method: OECD Test Guideline 107

Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts:

Partition coefficient: n- : log Pow: estimated > 4

octanol/water

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

Product:

Assessment : This substance/mixture contains no components considered

to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of

0.1% or higher.

12.6 Other adverse effects

Product:

Endocrine disrupting : The substance/mixture does not contain components

potential

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 : An environmental hazard cannot be excluded in the event of

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information unprofessional handling or disposal.

Harmful to aquatic life.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product : The product should not be allowed to enter drains, water

courses or the soil.

SECTION 14: Transport information

14.1 UN number

ADR : Not regulated as a dangerous good

RID : Not regulated as a dangerous good

IMDG : Not regulated as a dangerous good

IATA_P : Not regulated as a dangerous good

14.2 UN proper shipping name

ADR : Not regulated as a dangerous good

RID : Not regulated as a dangerous good

IMDG : Not regulated as a dangerous good

IATA_P : Not regulated as a dangerous good

14.3 Transport hazard class(es)

ADR : Not regulated as a dangerous good

RID : Not regulated as a dangerous good

IMDG : Not regulated as a dangerous good

IATA_P : Not regulated as a dangerous good

14.4 Packing group

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

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Not applicable

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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 List of restrictions (Annex 17) : Not applicable

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

concern (SVHC) for Authorisation

The Persistent Organic Pollutants Regulations (retained :

Regulation (EU) 2019/1021 as amended for Great

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:

TCSI : Not in compliance with the inventory

TSCA : Product contains substance(s) not listed on TSCA inventory.

AIIC : Not in compliance with the inventory

DSL : This product contains the following components that are not

on the Canadian DSL nor NDSL.

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Anderol FGCS-2HD

ENCS : Not in compliance with the inventory

KECI : Not in compliance with the inventory

PICCS : Not in compliance with the inventory

IECSC : Not in compliance with the inventory

NZIoC : 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

H302 : Harmful if swallowed. H315 : Causes skin irritation.

H317 : May cause an allergic skin reaction.

H318 : Causes serious eye damage.

H412 : Harmful to aquatic life with long lasting effects.

Full text of other abbreviations

Acute Tox. : Acute toxicity

Aquatic Chronic : Long-term (chronic) aquatic hazard

Eye Dam. : Serious eye damage

Skin Irrit. : Skin irritation
Skin Sens. : Skin sensitisation

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 -



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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: 000000276711

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.

GB / EN