



## SAFETY DATA SHEET

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

Version: 2.0

Revision Date: 29.03.2023

Print Date: 14/06/2023

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

#### 1.1 Product identifier

Trade name : Valvoline™ INDUSTRY CALSUL MOLY PT 2  
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Product code : 891694

#### 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 : SDS@valvoline.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 112

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### 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 SULFONIC ACIDS, PETROLEUM, CALCIUM SALTS-TOTAL BASE NUMBER (TBN) <300, Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts. 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  specific concentration limit Skin Sens. 1B; H317 10 - 100 %	>= 5 - < 10
CALCIUM DODECYLBENZENE SULFONATE	26264-06-2 247-557-8 01-2120122335-68-xxxx	Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Dam. 1; H318 Aquatic Chronic 3;	>= 2.5 - < 3



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		H412	
Substances with a workplace exposure limit :			
MOLYBDENUM DISULFIDE	1317-33-5 215-263-9 05-2114678942-33-0000 05-2114644836-38-0000 05-2114700532-63-0000 05-2114683333-47-0000 05-2114690535-40-0000 05-2114646176-46-0000 05-2114662415-48-0000 05-2114726400-62-0000 05-2114781039-42-0000 05-2114692569-27-0000 05-2114693303-48-0000 05-2114670914-40-0000 05-2114672118-46-0000 05-2114693116-45-0000 05-2114685148-38-0000 05-2114677248-36-0000 05-2114746905-38-0000 05-2114685130-55-0000 05-2114695705-34-0000 05-2114785902-37-0000 05-2114718794-39-0000 05-2114781593-38-0000		>= 2.5 - < 5



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	05-2114721495-48-0000 05-2114767684-33-0000 05-2114716490-55-0000 05-2114690510-52-0000 05-2114694136-42-0000 05-2114696600-45-0000 05-2114671376-41-0000		
GRAPHITE	7782-42-5 231-955-3	Flam. Sol. 1; H228	>= 1 - < 2.5

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 skin contact : If skin irritation persists, call a physician.  
If on skin, rinse well with water.  
If on clothes, remove clothes.
- 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.
- 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.



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**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.

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**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**

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.

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**SECTION 6: Accidental release measures**

**6.1 Personal precautions, protective equipment and emergency procedures**

Personal precautions : Use personal protective equipment.



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### 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 : 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.

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling : Avoid contact with skin and eyes.  
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 : When using do not eat or drink. When using do not smoke.  
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. 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.

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



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### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

##### Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
MOLYBDENUM DISULFIDE	1317-33-5	TWA	10 mg/m3 (Molybdenum)	GB EH40
		STEL	20 mg/m3 (Molybdenum)	GB EH40
GRAPHITE	7782-42-5	TWA (inhalable dust)	10 mg/m3	GB EH40
		TWA (Respirable dust)	4 mg/m3	GB EH40

##### Predicted No Effect Concentration (PNEC):

Substance name	Environmental Compartment	Value
SULFONIC ACIDS, PETROLEUM, CALCIUM SALTS-TOTAL BASE NUMBER (TBN) <300	Sewage treatment plant	1000 mg/l
	Marine sediment	226000000 mg/kg
	Fresh water sediment	226000000 mg/kg
	Soil	271000000 mg/kg
GRAPHITE	Sewage treatment plant	50 mg/l

#### 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 : >= 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



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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.

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### 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
- Upper explosion limit / Upper flammability limit : No data available
- Lower explosion limit / Lower





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flammability limit

Vapour pressure : No data available

Relative vapour density : No data available

Relative density : No data available

Density : ca. 0.9 g/cm<sup>3</sup> (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 mm<sup>2</sup>/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 : No decomposition if stored and applied as directed.

### 10.4 Conditions to avoid

Conditions to avoid : excessive heat



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### 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.
Acute inhalation toxicity	: LC50 (Rat): > 1.9 mg/l Exposure time: 4 h Test atmosphere: dust/mist



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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.

### MOLYBDENUM DISULFIDE:

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

Acute inhalation toxicity : LC50 (Rat): > 2.82 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Assessment: The substance or mixture has no acute inhalation toxicity

### GRAPHITE:

Acute oral toxicity : LD50 (Rat): > 2,000 mg/kg

Acute inhalation toxicity : Assessment: The substance or mixture has no acute inhalation toxicity

### Skin corrosion/irritation

Not classified based on available information.

### Product:

Remarks : May cause skin irritation and/or dermatitis.

### 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:



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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.

### MOLYBDENUM DISULFIDE:

Result	:	No skin irritation
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### GRAPHITE:

Result	:	No skin irritation
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### Serious eye damage/eye irritation

Not classified based on available information.

#### Product:

Result	:	No eye irritation
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Remarks	:	Vapours may cause irritation to the eyes, respiratory system and the skin.
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#### Components:

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

Species	:	Rabbit
Result	:	Slight, transient irritation

Result	:	No eye irritation
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### Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts:

Species	:	Rabbit
Result	:	No eye irritation

### CALCIUM DODECYLBENZENE SULFONATE:

Result	:	Risk of serious damage to eyes.
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### MOLYBDENUM DISULFIDE:

Result	:	No eye irritation
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### GRAPHITE:

Result : No eye irritation

### Respiratory or skin sensitisation

#### Skin sensitisation

Not classified based on available information.

#### Respiratory sensitisation

Not classified based on available information.

#### Product:

Assessment : Does not cause skin sensitisation.  
Remarks : Based on a similar product formulation.

### 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.

### GRAPHITE:

Species : Mouse  
Method : Local lymph node assay  
Result : Did not cause sensitisation on laboratory animals.

### 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



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Metabolic activation: with and without metabolic activation  
Result: negative  
Remarks: The toxicological data has been taken from  
products of similar composition.

### GRAPHITE:

Genotoxicity in vitro : Remarks: In vitro tests did not show mutagenic effects

### Carcinogenicity

Not classified based on available information.

### Reproductive toxicity

Not classified based on available information.

### Components:

#### GRAPHITE:

Effects on fertility : Species: Rat  
Application Route: Oral  
Symptoms: No effects on reproduction parameters

Effects on foetal development : Species: Rat  
Application Route: Oral  
Symptoms: No specific developmental abnormalities  
Method: OECD Test Guideline 422

### 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



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### SECTION 12: Ecological information

#### 12.1 Toxicity

##### Product:

##### Ecotoxicology Assessment

Acute aquatic toxicity : Harmful to aquatic life.

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
Toxicity to daphnia and other aquatic invertebrates	: 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:

Toxicity to fish	: LL50 (Pimephales promelas (fathead minnow)): > 1,000 mg/l Exposure time: 96 h Test Type: static test
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	Test substance: <b>WAF</b> Remarks: <b>The toxicological data has been taken from products of similar composition.</b>
Toxicity to daphnia and other aquatic invertebrates	: <b>EC50 (Daphnia magna (Water flea)): &gt; 1,000 mg/l</b> Exposure time: <b>48 h</b> Test Type: <b>static test</b> Test substance: <b>WAF</b> Remarks: <b>The toxicological data has been taken from products of similar composition.</b>
Toxicity to algae/aquatic plants	: <b>EC50 (Pseudokirchneriella subcapitata (green algae)): &gt; 1,000 mg/l</b> End point: <b>Growth inhibition</b> Exposure time: <b>72 h</b> Test Type: <b>static test</b> Test substance: <b>WAF</b> Remarks: <b>The toxicological data has been taken from products of similar composition.</b>

### Ecotoxicology Assessment

Acute aquatic toxicity	: <b>Not classified based on available information.</b>
Chronic aquatic toxicity	: <b>Not classified based on available information.</b>

### CALCIUM DODECYLBENZENE SULFONATE:

Toxicity to fish	: <b>LC50 (Fish): estimated 2.6 mg/l</b> Exposure time: <b>96 h</b>
Toxicity to daphnia and other aquatic invertebrates	: <b>LC50 (Daphnia (water flea)): estimated 2.6 mg/l</b> Exposure time: <b>48 h</b>
Toxicity to algae/aquatic plants	: <b>NOEC (Algae, algal mat (Algae)): 1 - &lt; 10 mg/l</b> End point: <b>Growth inhibition</b> Exposure time: <b>72 h</b> Remarks: <b>The toxicological data has been taken from products of similar composition.</b>

### Ecotoxicology Assessment

Acute aquatic toxicity	: <b>Acute aquatic toxicity Category 2; Toxic to aquatic life.</b>
Chronic aquatic toxicity	: <b>Chronic aquatic toxicity Category 3; Harmful to aquatic life with long lasting effects.</b>





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### MOLYBDENUM DISULFIDE:

#### Ecotoxicology Assessment

Acute aquatic toxicity	:	Not classified based on available information.
Chronic aquatic toxicity	:	Not classified based on available information.

### GRAPHITE:

Toxicity to fish	:	LC50 (Danio rerio (zebra fish)): > 100 mg/l Exposure time: 96 h Test Type: semi-static test Method: OECD Test Guideline 203
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia (water flea)): > 100 mg/l Exposure time: 48 h Test Type: static test Method: OECD Test Guideline 202
Toxicity to algae/aquatic plants	:	NOEC (Pseudokirchneriella subcapitata (green algae)): > 100 mg/l Exposure time: 72 h Test Type: static test

#### Ecotoxicology Assessment

Acute aquatic toxicity	:	Not classified based on available information.
Chronic aquatic toxicity	:	Not classified based on available information.

## 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.
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#### CALCIUM DODECYLBENZENE SULFONATE:



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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-octanol/water : log Pow: **> 6.65**  
Method: **OECD Test Guideline 107**

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

Partition coefficient: n-octanol/water : log Pow: **estimated > 4**

### 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 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 : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.  
Harmful to aquatic life.



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### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods

- Product : The product should not be allowed to enter drains, water courses or the soil.  
Do not contaminate ponds, waterways or ditches with chemical or used container.  
Send to a licensed waste management company.
- Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.  
Do not re-use empty containers.
- Waste Code : The Waste code should be assigned in discussion between the user 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  
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



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### 14.4 Packing group

<b>ADR</b>	:	Not regulated as a dangerous good
<b>RID</b>	:	Not regulated as a dangerous good
<b>IMDG</b>	:	Not regulated as a dangerous good
<b>IATA (Cargo)</b>	:	Not regulated as a dangerous good
<b>IATA_P (Passenger)</b>	:	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 mixture

Relevant EU provisions transposed through retained EU law

UK REACH Candidate list of substances of very high concern (SVHC) for Authorisation : Not applicable

The Persistent Organic Pollutants Regulations (retained Regulation (EU) 2019/1021 as amended for Great Britain) : Not applicable

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

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

Control of Major Accident Hazards Regulations 2015 (COMAH) : 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.



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AIIC	: Not in compliance with the inventory
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	: 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

H228	: Flammable solid.
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
Flam. Sol.	: Flammable solids
Skin Irrit.	: Skin irritation
Skin Sens.	: Skin sensitisation
GB EH40	: UK. EH40 WEL - Workplace Exposure Limits
GB EH40 / TWA	: Long-term exposure limit (8-hour TWA reference period)
GB EH40 / STEL	: Short-term exposure limit (15-minute reference period)

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



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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; 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 : 000000276743

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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