



**SAFETY DATA SHEET**  
according to Regulation (EC) No. 1907/2006  
Valvoline™ INDUSTRY BT 2 GREASE

Version: 4.0

Revision Date: 14.02.2023

Print Date: 04/07/2023

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

**1.1 Product identifier**

Trade name : Valvoline™ INDUSTRY BT 2  
GREASE

Product code : 891705

**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.



## SAFETY DATA SHEET

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

Version: 4.0

Revision Date: 14.02.2023

Print Date: 04/07/2023

### 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 Tolytriazole derivative.  
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)
PROPYLENE CARBONATE	108-32-7 203-572-1 607-194-00-1	Eye Irrit. 2; H319	>= 1 - < 2.5
QUARTZ / SAND	14808-60-7 238-878-4	STOT RE 1; H372 (Respiratory system, Kidney)	>= 0.1 - < 0.5
Tolytriazole derivative	94270-86-7 939-700-4 01-2119982395-25- xxxx	Skin Irrit. 2; H315 Skin Sens. 1B; H317 Aquatic Acute 1; H400 Aquatic Chronic 2; H411  M-Factor (Acute aquatic toxicity): 1	>= 0.25 - < 0.5

For explanation of abbreviations see section 16.



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Valvoline™ INDUSTRY BT 2 GREASE

Version: 4.0

Revision Date: 14.02.2023

Print Date: 04/07/2023

---

## 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.

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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.



## SAFETY DATA SHEET

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

Version: 4.0

Revision Date: 14.02.2023

Print Date: 04/07/2023

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 : 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 : 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.

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## 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.



## SAFETY DATA SHEET

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

Version: 4.0

Revision Date: 14.02.2023

Print Date: 04/07/2023

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.

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

#### Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
QUARTZ / SAND	14808-60-7	TWA (Respirable fraction)	0.1 mg/m3 (Silica)	GB EH40
	Further information: Capable of causing cancer and/or heritable genetic damage.			
		TWA (Respirable dust)	0.1 mg/m3	2004/37/EC
	Further information: Carcinogens or mutagens			

### 8.2 Exposure controls

#### Personal protective equipment

Eye/face protection : Safety glasses

#### Hand protection

Material : neoprene, nitrile rubber  
Break through time :  $\geq 240$  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



## SAFETY DATA SHEET

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

Version: 4.0

Revision Date: 14.02.2023

Print Date: 04/07/2023

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.

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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 flammability limit : No data available



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Version: 4.0

Revision Date: 14.02.2023

Print Date: 04/07/2023

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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. 480 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	: Stable under recommended storage conditions. No hazards to be specially mentioned.
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**10.4 Conditions to avoid**

Conditions to avoid	: Exposure to moisture
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**10.5 Incompatible materials**



## SAFETY DATA SHEET

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

Version: 4.0

Revision Date: 14.02.2023

Print Date: 04/07/2023

Materials to avoid : Acids  
Strong bases  
Strong oxidizing agents  
strong reducing agents  
water  
Humid air

### 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:

##### PROPYLENE CARBONATE:

Acute oral toxicity	: LD50 (Rat): 29.1 g/kg
Acute dermal toxicity	: LD50 (Rabbit): > 24 g/kg

##### Tolytriazole derivative:

Acute oral toxicity	: LD50 (Rat): > 3,313 mg/kg
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.	

#### Skin corrosion/irritation

Not classified based on available information.

#### Components:

##### PROPYLENE CARBONATE:

Species	: Rabbit
Method	: OECD Test Guideline 404
Result	: No skin irritation

##### QUARTZ / SAND:

Result	: Slight, transient irritation
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## SAFETY DATA SHEET

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

Version: 4.0

Revision Date: 14.02.2023

Print Date: 04/07/2023

### Tolytriazole derivative:

Species	:	Rabbit
Assessment	:	Irritating to skin.

### Serious eye damage/eye irritation

Not classified based on available information.

### Components:

#### PROPYLENE CARBONATE:

Species	:	Rabbit
Method	:	OECD Test Guideline 405
Result	:	Irritating to eyes.

#### QUARTZ / SAND:

Result	:	Slight, transient irritation
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### Tolytriazole derivative:

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.

### Components:

#### Tolytriazole derivative:

Test Type	:	Maximisation Test
Species	:	Guinea pig
Assessment	:	The product is a skin sensitiser, sub-category 1B.
Method	:	OECD Test Guideline 406

### Germ cell mutagenicity

Not classified based on available information.

### Components:

#### PROPYLENE CARBONATE:

Genotoxicity in vitro	:	Test Type: Ames test
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## SAFETY DATA SHEET

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

Version: 4.0

Revision Date: 14.02.2023

Print Date: 04/07/2023

Genotoxicity in vivo	:	Test system: <b>Salmonella typhimurium</b> Metabolic activation: <b>with and without metabolic activation</b> Method: <b>OECD Test Guideline 471</b> Result: <b>negative</b>
	:	Test Type: <b>Micronucleus test</b> Species: <b>Mouse</b> Cell type: <b>Bone marrow</b> Method: <b>OECD Test Guideline 474</b> Result: <b>negative</b>

### **Tolytriazole derivative:**

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

### **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.

### **Components:**

#### **QUARTZ / SAND:**

Exposure routes	:	<b>inhalation (dust/mist/fume)</b>
Target Organs	:	<b>Respiratory system, Kidney</b>
Assessment	:	<b>Causes damage to organs through prolonged or repeated exposure.</b>

### **Aspiration toxicity**

Not classified based on available information.

### **Further information**

#### **Product:**

Remarks : No data available



## SAFETY DATA SHEET

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

Version: 4.0

Revision Date: 14.02.2023

Print Date: 04/07/2023

### Components:

#### QUARTZ / SAND:

Remarks : Lung

## 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:

#### PROPYLENE CARBONATE:

Toxicity to fish	: LC50 (Cyprinus carpio (Carp)): > 1,000 mg/l Exposure time: 96 h Test Type: semi-static test Method: Directive 67/548/EEC, Annex V, C.1.
Toxicity to daphnia and other aquatic invertebrates	: EC50 (Daphnia magna (Water flea)): > 1,000 mg/l Exposure time: 48 h Test Type: static test Method: OECD Test Guideline 202
Toxicity to algae/aquatic plants	: EC50 (Desmodesmus subspicatus (green algae)): > 900 mg/l End point: Growth inhibition Exposure time: 72 h Test Type: static test Method: OECD Test Guideline 201  NOEC (Desmodesmus subspicatus (green algae)): 900 mg/l End point: Growth inhibition Exposure time: 72 h Test Type: static test Method: OECD Test Guideline 201

#### Ecotoxicology Assessment

Acute aquatic toxicity : Not classified based on available information.

Chronic aquatic toxicity : Not classified based on available information.



## SAFETY DATA SHEET

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

Version: 4.0

Revision Date: 14.02.2023

Print Date: 04/07/2023

### QUARTZ / SAND:

#### Ecotoxicology Assessment

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

#### Tolytriazole derivative:

Toxicity to fish	:	LC50 (Danio rerio (zebra fish)): 1.3 mg/l Exposure time: 96 h Test Type: static test Method: OECD Test Guideline 203
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): 2.05 mg/l Exposure time: 48 h Test Type: static test Method: OECD Test Guideline 202
Toxicity to algae/aquatic plants	:	EC50 (Desmodesmus subspicatus (green algae)): 0.976 mg/l End point: Growth inhibition Exposure time: 72 h Test Type: static test Method: OECD Test Guideline 201
M-Factor (Acute aquatic toxicity)	:	1

#### Ecotoxicology Assessment

Acute aquatic toxicity :

Acute aquatic toxicity Category 1; Very toxic to aquatic life.

Chronic aquatic toxicity : Toxic to aquatic life with long lasting effects.

Chronic aquatic toxicity Category 2; Toxic to aquatic life with long lasting effects.

### 12.2 Persistence and degradability

#### Components:

#### PROPYLENE CARBONATE:

Biodegradability	:	Result: Readily biodegradable. Biodegradation: 87.1 %
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## SAFETY DATA SHEET

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

Version: 4.0

Revision Date: 14.02.2023

Print Date: 04/07/2023

Exposure time: 29 d  
Method: OECD Test Guideline 301B

### Tolytriazole derivative:

Biodegradability : Result: Not readily biodegradable.  
Biodegradation: 7 - 10 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301B

### 12.3 Bioaccumulative potential

#### Components:

#### PROPYLENE CARBONATE:

Partition coefficient: n-octanol/water : log Pow: -0.41

### 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.



**SAFETY DATA SHEET**  
according to Regulation (EC) No. 1907/2006  
Valvoline™ INDUSTRY BT 2 GREASE

Version: 4.0

Revision Date: 14.02.2023

Print Date: 04/07/2023

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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.

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## **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  
IATA\_P (Passenger) : Not regulated as a dangerous good

### **14.5 Environmental hazards**

Not regulated as a dangerous good



**SAFETY DATA SHEET**  
according to Regulation (EC) No. 1907/2006  
Valvoline™ INDUSTRY BT 2 GREASE

Version: 4.0

Revision Date: 14.02.2023

Print Date: 04/07/2023

**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.

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**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 List of restrictions (Annex 17) : Conditions of restriction for the following entries should be considered:  
Number on list 3

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

**Other regulations:**

**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 NDLS.



## SAFETY DATA SHEET

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

Version: 4.0

Revision Date: 14.02.2023

Print Date: 04/07/2023

Baragel 20  
Calcinate C300R

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

H315	:	Causes skin irritation.
H317	:	May cause an allergic skin reaction.
H319	:	Causes serious eye irritation.
H372	:	Causes damage to organs through prolonged or repeated exposure if inhaled.
H400	:	Very toxic to aquatic life.
H411	:	Toxic to aquatic life with long lasting effects.

### Full text of other abbreviations

Aquatic Acute	:	Short-term (acute) aquatic hazard
Aquatic Chronic	:	Long-term (chronic) aquatic hazard
Eye Irrit.	:	Eye irritation
Skin Irrit.	:	Skin irritation
Skin Sens.	:	Skin sensitisation
STOT RE	:	Specific target organ toxicity - repeated exposure
2004/37/EC	:	Europe. Directive 2004/37/EC on the protection of workers from the risks related to exposure to carcinogens or mutagens at work
GB EH40	:	UK. EH40 WEL - Workplace Exposure Limits
2004/37/EC / TWA	:	Long term exposure limit
GB EH40 / TWA	:	Long-term exposure limit (8-hour TWA reference period)





## SAFETY DATA SHEET

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

Version: 4.0

Revision Date: 14.02.2023

Print Date: 04/07/2023

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIIC - 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; 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 : 000000276709

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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Valvoline™ INDUSTRY BT 2 GREASE

Version: 4.0

Revision Date: 14.02.2023

Print Date: 04/07/2023

---