

## GSIC oil

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

## 1.1. Product identifier

**Product name** : GSIC oil  
**Synonyms** : E7111-0002; E7111-0002/1; GSIC lubricant; Oil-Vestan A/360/B  
**Registration number REACH** :  
**Product type REACH** : Substance/UVCB  
**CAS number** : 8042-47-5  
**EC number** : 232-455-8

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

## 1.2.1 Relevant identified uses

Lubricant  
Professional use

## 1.2.2 Uses advised against

No uses advised against known

## 1.3. Details of the supplier of the safety data sheet

## Supplier of the safety data sheet

CommScope Connectivity Belgium bvba  
 Diestsesteenweg 692  
 B-3010  
 Kessel-Lo  
 ☎ +32 16 35 16 85  
 #ProductCompliance@commscope.com

## 1.4. Emergency telephone number

24h/24h (Telephone advice: English, French, German, Dutch):  
 +32 14 58 45 45 (BIG)

## SECTION 2: Hazards identification

## 2.1. Classification of the substance or mixture

Not classified as dangerous according to the criteria of Regulation (EC) No 1272/2008

## 2.2. Label elements

Not classified as dangerous according to the criteria of Regulation (EC) No 1272/2008

## 2.3. Other hazards

No other hazards known

## SECTION 3: Composition/information on ingredients

## 3.1. Substances

Not applicable

## 3.2. Mixtures

Name REACH Registration No	CAS No EC No	Conc. (C)	Classification according to CLP	Note	Remark
white mineral oil (petroleum)	8042-47-5 232-455-8	C>99 %		(2)	UVCB

(2) Substance with a Community workplace exposure limit

## SECTION 4: First aid measures

## 4.1. Description of first aid measures

## General:

If you feel unwell, seek medical advice.

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## After inhalation:

Remove the victim into fresh air. Respiratory problems: consult a doctor/medical service.

## After skin contact:

Rinse with water. Soap may be used. Take victim to a doctor if irritation persists.

## After eye contact:

Rinse with water. Do not apply neutralizing agents. Take victim to an ophthalmologist if irritation persists.

## After ingestion:

Rinse mouth with water. Immediately after ingestion: give lots of water to drink. Do not induce vomiting. Consult a doctor/medical service if you feel unwell.

## 4.2. Most important symptoms and effects, both acute and delayed

### 4.2.1 Acute symptoms

#### After inhalation:

EXPOSURE TO HIGH CONCENTRATIONS: Slight irritation.

#### After skin contact:

No effects known.

#### After eye contact:

No effects known.

#### After ingestion:

Gastrointestinal complaints. Vomiting. Diarrhoea.

### 4.2.2 Delayed symptoms

No effects known.

## 4.3. Indication of any immediate medical attention and special treatment needed

If applicable and available it will be listed below.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### 5.1.1 Suitable extinguishing media:

Water spray. Polyvalent foam. BC powder. Carbon dioxide.

#### 5.1.2 Unsuitable extinguishing media:

Solid water jet ineffective as extinguishing medium.

### 5.2. Special hazards arising from the substance or mixture

Upon combustion: CO and CO<sub>2</sub> are formed.

### 5.3. Advice for firefighters

#### 5.3.1 Instructions:

If exposed to fire cool the closed containers by spraying with water.

#### 5.3.2 Special protective equipment for fire-fighters:

Gloves. Protective clothing. Heat/fire exposure: compressed air/oxygen apparatus.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

No naked flames.

#### 6.1.1 Protective equipment for non-emergency personnel

See heading 8.2

#### 6.1.2 Protective equipment for emergency responders

Gloves. Protective clothing.

#### Suitable protective clothing

See heading 8.2

### 6.2. Environmental precautions

Contain released product. Dam up the liquid spill. Prevent soil and water pollution. Prevent spreading in sewers.

### 6.3. Methods and material for containment and cleaning up

Liquid spill: take up in noncombustible absorbent material. Scoop absorbed substance into closing containers. Carefully collect the spill/leftovers. Clean contaminated surfaces with a soap solution. Wash clothing and equipment after handling.

### 6.4. Reference to other sections

See heading 13.

## SECTION 7: Handling and storage

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The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

## 7.1. Precautions for safe handling

Keep away from naked flames/heat. Gas/vapour heavier than air at 20°C. Observe normal hygiene standards. Keep container tightly closed. Remove contaminated clothing immediately. Do not discharge the waste into the drain. Insufficient ventilation: take precautions against electrostatic charges.

## 7.2. Conditions for safe storage, including any incompatibilities

### 7.2.1 Safe storage requirements:

Store in a dry area. Protect against frost. Keep only in the original container. Meet the legal requirements.

### 7.2.2 Keep away from:

Heat sources, ignition sources, oxidizing agents, water/moisture.

### 7.2.3 Suitable packaging material:

No data available

### 7.2.4 Non suitable packaging material:

No data available

## 7.3. Specific end use(s)

If applicable and available, exposure scenarios are attached in annex. See information supplied by the manufacturer.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1 Occupational exposure

##### a) Occupational exposure limit values

If limit values are applicable and available these will be listed below.

##### Belgium

Huiles minérales (brouillards)	Time-weighted average exposure limit 8 h	5 mg/m <sup>3</sup>
	Short time value	10 mg/m <sup>3</sup>

##### The Netherlands

Olienevel (minerale olie)	Time-weighted average exposure limit 8 h (Public occupational exposure limit value)	5 mg/m <sup>3</sup>
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##### Germany

Weißes Mineralöl (Erdöl)	Time-weighted average exposure limit 8 h (TRGS 900)	5 mg/m <sup>3</sup>
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##### USA (TLV-ACGIH)

Mineral oil, pure, highly and severely refined (I): Inhalable fraction	Time-weighted average exposure limit 8 h (TLV - Adopted Value)	5 mg/m <sup>3</sup> (I)
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##### b) National biological limit values

If limit values are applicable and available these will be listed below.

#### 8.1.2 Sampling methods

If applicable and available it will be listed below.

#### 8.1.3 Applicable limit values when using the substance or mixture as intended

If limit values are applicable and available these will be listed below.

#### 8.1.4 DNEL/PNEC values

If applicable and available it will be listed below.

#### 8.1.5 Control banding

If applicable and available it will be listed below.

### 8.2. Exposure controls

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

#### 8.2.1 Appropriate engineering controls

Keep away from naked flames/heat. Measure the concentration in the air regularly. Carry operations in the open/under local exhaust/ventilation or with respiratory protection.

#### 8.2.2 Individual protection measures, such as personal protective equipment

Observe normal hygiene standards. Keep container tightly closed. Do not eat, drink or smoke during work.

##### a) Respiratory protection:

Insufficient ventilation: wear respiratory protection.

##### b) Hand protection:

Gloves.

- materials (good resistance)

Fluor rubber, nitrile rubber.

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## c) Eye protection:

Safety glasses.

## d) Skin protection:

Protective clothing.

## 8.2.3 Environmental exposure controls:

See headings 6.2, 6.3 and 13

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical form	Liquid
Odour	Mild odour Oil-like odour
Odour threshold	No data available
Colour	Yellow to amber
Particle size	Not applicable (liquid)
Explosion limits	No data available
Flammability	Not easily combustible
Log Kow	> 6 ; Literature study
Dynamic viscosity	68 mPa.s ; 40 °C
Kinematic viscosity	No data available
Melting point	-15 °C
Boiling point	No data available
Flash point	> 240 °C
Evaporation rate	No data available
Relative vapour density	No data available
Vapour pressure	≤ 0.1 hPa ; 20 °C
Solubility	water ; insoluble
Relative density	0.87 ; 15 °C
Decomposition temperature	No data available
Auto-ignition temperature	> 250 °C
Explosive properties	No chemical group associated with explosive properties
Oxidising properties	No chemical group associated with oxidising properties
pH	No data available

### 9.2. Other information

Absolute density	870 kg/m <sup>3</sup> ; 15 °C
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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Temperature above flashpoint: higher fire/explosion hazard.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No data available.

### 10.4. Conditions to avoid

Keep away from naked flames/heat.

### 10.5. Incompatible materials

Oxidizing agents, water/moisture.

### 10.6. Hazardous decomposition products

Upon combustion: CO and CO<sub>2</sub> are formed.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### 11.1.1 Test results

#### Acute toxicity

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Route of exposure	Parameter	Method	Value	Exposure time	Species	Value determination	Remark
Oral	LD50		> 5000 mg/kg		Rat		
Dermal	LD50		> 2000 mg/kg bw		Rabbit		
Inhalation (aerosol)	LC50		> 5 mg/l		Rat		

## white mineral oil (petroleum)

Route of exposure	Parameter	Method	Value	Exposure time	Species	Value determination	Remark
Oral	LD50	Equivalent to OECD 401	> 5000 mg/kg bw		Rat (male/female)	Experimental value	
Dermal	LD50	Equivalent to OECD 402	> 2000 mg/kg bw	24 h	Rabbit (male/female)	Experimental value	
Inhalation	LC50	Equivalent to OECD 403	> 5 mg/l air	4 h	Rat (male/female)	Experimental value	

Judgement is based on the relevant ingredients

### Conclusion

Not classified for acute toxicity

### Corrosion/irritation

#### GSIC oil

No (test)data on the mixture available

#### white mineral oil (petroleum)

Route of exposure	Result	Method	Exposure time	Time point	Species	Value determination	Remark
Eye	Not irritating	Equivalent to OECD 405		24; 48; 72 hours	Rabbit	Experimental value	
Skin	Not irritating	Equivalent to OECD 404	24 h	24; 72 hours	Rabbit	Experimental value	

Judgement is based on the relevant ingredients

### Conclusion

Not classified as irritating to the skin

Not classified as irritating to the eyes

Not classified as irritating to the respiratory system

### Respiratory or skin sensitisation

#### GSIC oil

No (test)data on the mixture available

#### white mineral oil (petroleum)

Route of exposure	Result	Method	Exposure time	Observation time point	Species	Value determination	Remark
Skin	Not sensitizing	Equivalent to OECD 406		48 hours	Guinea pig (male)	Experimental value	

Judgement is based on the relevant ingredients

### Conclusion

Not classified as sensitizing for skin

Not classified as sensitizing for inhalation

### Specific target organ toxicity

#### GSIC oil

No (test)data on the mixture available

#### white mineral oil (petroleum)

Route of exposure	Parameter	Method	Value	Organ	Effect	Exposure time	Species	Value determination
Oral	NOEL	Equivalent to OECD 408	> 20000 ppm			90 day(s)	Rat (male/female)	Experimental value
Skin	NOAEL	Equivalent to OECD 411	> 2000			13 weeks (daily)	Rat (male/female)	Experimental value
Inhalation (mist)	NOEL	Equivalent to OECD 412	50 mg/m <sup>3</sup> air			4 weeks (6h/day, 5 days/week)	Rat (male/female)	Experimental value

Judgement is based on the relevant ingredients

### Conclusion

Not classified for subchronic toxicity

### Mutagenicity (in vitro)

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No (test)data on the mixture available

### white mineral oil (petroleum)

Result	Method	Test substrate	Effect	Value determination
Negative	Equivalent to OECD 471	Bacteria (S.typhimurium)		Experimental value

## Mutagenicity (in vivo)

### GSIC oil

No (test)data on the mixture available

### white mineral oil (petroleum)

Result	Method	Exposure time	Test substrate	Organ	Value determination
Negative	Equivalent to OECD 474		Mouse (male/female)		Read-across

## Carcinogenicity

### GSIC oil

No (test)data on the mixture available

### white mineral oil (petroleum)

Route of exposure	Parameter	Method	Value	Exposure time	Species	Effect	Organ	Value determination
Oral	NOAEL	OECD 453	> 1200 mg/kg bw/day	24 month(s)	Rat (male/female)			Experimental value

## Reproductive toxicity

### GSIC oil

No (test)data on the mixture available

### white mineral oil (petroleum)

	Parameter	Method	Value	Exposure time	Species	Effect	Organ	Value determination
Developmental toxicity	NOAEL	Equivalent to OECD 414	> 5 ml/kg	20 day(s) - 40 day(s)	Rat	No effect		Experimental value

Judgement is based on the relevant ingredients

### Conclusion CMR

Not classified for carcinogenicity

Not classified for mutagenic or genotoxic toxicity

Not classified for reprotoxic or developmental toxicity

## Toxicity other effects

### GSIC oil

No (test)data on the mixture available

## Chronic effects from short and long-term exposure

### GSIC oil

No effects known.

## SECTION 12: Ecological information

### 12.1. Toxicity

#### GSIC oil

	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determination
Acute toxicity fishes	LL50	OECD 203	> 100 mg/l	96 h	Oncorhynchus mykiss			Experimental value
Acute toxicity invertebrates	EL50	OECD 202	> 100 mg/l	48 h	Daphnia magna			Experimental value
Toxicity algae and other aquatic plants	EL50	OECD 201	> 100 mg/l	48 h	Pseudokirchnerie lla subcapitata			Experimental value
Long-term toxicity fish	NOEL		> 1000 mg/l	14 day(s) - 21 day(s)	Oncorhynchus mykiss			QSAR
Long-term toxicity aquatic invertebrates	NOEL	OECD 211	10 mg/l	21 day(s)	Daphnia magna			Experimental value

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## white mineral oil (petroleum)

	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determination
Acute toxicity fishes	LC50	OECD 203	> 100 mg/l	96 h	Oncorhynchus mykiss	Static system	Fresh water	Experimental value; Nominal concentration
Acute toxicity invertebrates	LC50	OECD 202	> 100 mg/l	48 h	Daphnia magna	Static system	Fresh water	Experimental value; Locomotor effect
Toxicity algae and other aquatic plants	NOEL	OECD 201	≥ 100 mg/l	72 h	Pseudokirchneria lla subcapitata	Static system	Fresh water	Weight of evidence; Growth rate

### Conclusion

Slightly harmful to fishes

Slightly harmful to invertebrates (Daphnia)

Slightly harmful to algae

Not classified as dangerous for the environment according to the criteria of Regulation (EC) No 1272/2008

## 12.2. Persistence and degradability

### white mineral oil (petroleum)

#### Biodegradation water

Method	Value	Duration	Value determination
OECD 301F: Manometric Respirometry Test	31 %; GLP	28 day(s)	Read-across

### Conclusion

Inherently biodegradable

## 12.3. Bioaccumulative potential

### GSIC oil

#### Log Kow

Method	Remark	Value	Temperature	Value determination
		> 6		Literature study

### white mineral oil (petroleum)

#### Log Kow

Method	Remark	Value	Temperature	Value determination
	No data available			

### Conclusion

High potential for bioaccumulation (Log Kow > 5)

## 12.4. Mobility in soil

Low potential for mobility in soil

## 12.5. Results of PBT and vPvB assessment

Substance does not meet the criteria of PBT, nor the criteria of vPvB according to Annex XIII of Regulation (EC) No 1907/2006, so is neither PBT nor vPvB.

## 12.6. Other adverse effects

### GSIC oil

#### Fluorinated greenhouse gases (Regulation (EU) No 517/2014)

Not included in the list of fluorinated greenhouse gases (Regulation (EU) No 517/2014)

#### Ozone-depleting potential (ODP)

Not classified as dangerous for the ozone layer (Regulation (EC) No 1005/2009)

#### Ground water

Ground water pollutant

### white mineral oil (petroleum)

#### Ground water

Ground water pollutant

## SECTION 13: Disposal considerations

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

### 13.1. Waste treatment methods

#### 13.1.1 Provisions relating to waste

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Hazardous waste according to Directive 2008/98/EC.

Waste material code (Directive 2008/98/EC, Decision 2000/0532/EC).

13 02 05\* (waste engine, gear and lubricating oils: mineral-based non-chlorinated engine, gear and lubricating oils). waste oil.

## 13.1.2 Disposal methods

Recycle/reuse. Remove to an authorized waste collection point. Remove waste in accordance with local and/or national regulations. Hazardous waste shall not be mixed together with other waste. Different types of hazardous waste shall not be mixed together if this may entail a risk of pollution or create problems for the further management of the waste. Hazardous waste shall be managed responsibly. All entities that store, transport or handle hazardous waste shall take the necessary measures to prevent risks of pollution or damage to people or animals. Do not discharge into drains or the environment.

## 13.1.3 Packaging/Container

Waste material code packaging (Directive 2008/98/EC).

15 01 10\* (packaging containing residues of or contaminated by dangerous substances).

## SECTION 14: Transport information

### Road (ADR)

#### 14.1. UN number

Transport	Not subject
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#### 14.2. UN proper shipping name

#### 14.3. Transport hazard class(es)

Hazard identification number	
Class	
Classification code	

#### 14.4. Packing group

Packing group	
Labels	

#### 14.5. Environmental hazards

Environmentally hazardous substance mark	no
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#### 14.6. Special precautions for user

Special provisions	
Limited quantities	

### Rail (RID)

#### 14.1. UN number

Transport	Not subject
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#### 14.2. UN proper shipping name

#### 14.3. Transport hazard class(es)

Hazard identification number	
Class	
Classification code	

#### 14.4. Packing group

Packing group	
Labels	

#### 14.5. Environmental hazards

Environmentally hazardous substance mark	no
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#### 14.6. Special precautions for user

Special provisions	
Limited quantities	

### Inland waterways (ADN)

#### 14.1. UN number

Transport	Not subject
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#### 14.2. UN proper shipping name

#### 14.3. Transport hazard class(es)

Class	
Classification code	

#### 14.4. Packing group

Packing group	
Labels	

#### 14.5. Environmental hazards

Environmentally hazardous substance mark	no
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#### 14.6. Special precautions for user

Special provisions	
Limited quantities	

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## Sea (IMDG/IMSBC)

14.1. UN number

Transport	Not subject
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14.2. UN proper shipping name

14.3. Transport hazard class(es)

Class	
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14.4. Packing group

Packing group	
Labels	

14.5. Environmental hazards

Marine pollutant	-
Environmentally hazardous substance mark	no

14.6. Special precautions for user

Special provisions	
Limited quantities	

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

Annex II of MARPOL 73/78	
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## Air (ICAO-TI/IATA-DGR)

14.1. UN number

Transport	Not subject
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14.2. UN proper shipping name

14.3. Transport hazard class(es)

Class	
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14.4. Packing group

Packing group	
Labels	

14.5. Environmental hazards

Environmentally hazardous substance mark	no
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14.6. Special precautions for user

Special provisions	
Passenger and cargo transport: limited quantities: maximum net quantity per packaging	

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### European legislation:

VOC content Directive 2010/75/EU

VOC content	Remark
0 %	

Plant protection products

Included in implementing Regulation (EU) No 540/2011, annex part A

European drinking water standards (Directive 98/83/EC)

white mineral oil (petroleum)

Parameter	Parametric value	Note	Reference
Pesticides	0,1 µg/l		Listed in Annex I, Part B, of Directive 98/83/EC on the quality of water intended for human consumption.
Pesticides — Total	0,5 µg/l		Listed in Annex I, Part B, of Directive 98/83/EC on the quality of water intended for human consumption.

#### National legislation Belgium

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No data available

#### National legislation The Netherlands

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Waste identification (the Netherlands)	LWCA (the Netherlands): KGA category 03
Waterbezwaarlijkheid	11

#### National legislation France

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No data available

## National legislation Germany

### GSIC oil

WGK	1; Classification water polluting in compliance with Verwaltungsvorschrift wassergefährdender Stoffe (VwVwS) of 27 July 2005 (Anhang 2)
TA-Luft	5.2.5; I

### white mineral oil (petroleum)

TA-Luft	5.2.5
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## National legislation United Kingdom

### GSIC oil

No data available

## Other relevant data

### GSIC oil

No data available

### white mineral oil (petroleum)

TLV - Carcinogen	Mineral oil, pure, highly and severely refined; A4
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## 15.2. Chemical safety assessment

## SECTION 16: Other information

(\*) = INTERNAL CLASSIFICATION BY BIG

PBT-substances = persistent, bioaccumulative and toxic substances

CLP (EU-GHS) Classification, labelling and packaging (Globally Harmonised System in Europe)

The information in this safety data sheet is based on data and samples provided to BIG. The sheet was written to the best of our ability and according to the state of knowledge at that time. The safety data sheet only constitutes a guideline for the safe handling, use, consumption, storage, transport and disposal of the substances/preparations/mixtures mentioned under point 1. New safety data sheets are written from time to time. Only the most recent versions may be used. Old versions must be destroyed. Unless indicated otherwise word for word on the safety data sheet, the information does not apply to substances/preparations/mixtures in purer form, mixed with other substances or in processes. The safety data sheet offers no quality specification for the substances/preparations/mixtures in question. Compliance with the instructions in this safety data sheet does not release the user from the obligation to take all measures dictated by common sense, regulations and recommendations or which are necessary and/or useful based on the real applicable circumstances. BIG does not guarantee the accuracy or exhaustiveness of the information provided and cannot be held liable for any changes by third parties. This safety data sheet is only to be used within the European Union, Switzerland, Iceland, Norway and Liechtenstein. Any use outside of this area is at your own risk. Use of this safety data sheet is subject to the licence and liability limiting conditions as stated in your BIG licence agreement or when this is failing the general conditions of BIG. All intellectual property rights to this sheet are the property of BIG and its distribution and reproduction are limited. Consult the mentioned agreement/conditions for details.

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