

SAFETY DATA SHEET

According to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Product Name: D518 Flexible Gasket

Issue Date: 24/09/2025 Version: 2

SECTION 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1. Product identifier

Product Name: D518 Flexible Gasket
UFI code: KPW9-A0F8-M007-UKRX
Applications: For: D518 Flexible Gasket (31909)

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

Relevant identified uses

Main use category: Professional use

1.3. Details of the supplier of the safety data sheet

Draper Tools Ltd
Hursley Road, Chandlers Ford, Eastleigh
Hampshire SO53 1YF
United Kingdom
www.drapertools.com

1.4. Emergency telephone number

Draper Helpline +44 (0) 2380 494344
Opening hours 8:30-17:00 Monday – Friday.

SECTION 2: Hazards Identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Serious eye damage/eye irritation, Category 2 H319

Skin sensitisation, Category 1 H317

Hazardous to the aquatic environment – Chronic Hazard, H412

Category 3

Full text of H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP):



GHS07

Warning

Signal word (CLP):

Contains:

methacrylic acid, monoester with propane-1,2-diol

Hazard statements (CLP):

H317 - May cause an allergic skin reaction.

H319 - Causes serious eye irritation.

H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements (CLP):

P261 - Avoid breathing vapours.

P264 - Wash hands, forearms and face thoroughly after handling.

P272 - Contaminated work clothing should not be allowed out of the workplace.

P273 - Avoid release to the environment.

P280 - Wear protective clothing, eye protection, face protection.

P302+P352 - IF ON SKIN: Wash with plenty of water.

2.3. Other hazards

Contains no PBT and/or vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

Component	
Substance(s) not meeting the PBT criteria of REACH regulation, in accordance with Annex XIII	ethoxylated bisphenol A dimethacrylate (41637-38-1), methacrylic acid, monoester with propane-1,2-diol (27813-02-1), α , α -dimethylbenzyl hydroperoxide (80-15-9)

Substance(s) not meeting the vPvB criteria of REACH regulation, in accordance with Annex XIII	ethoxylated bisphenol A dimethacrylate (41637-38-1), methacrylic acid, monoester with propane-1,2-diol (27813-02-1), α , α -dimethylbenzyl hydroperoxide (80-15-9)
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The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

SECTION 3: Composition/Information on Ingredients

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
ethoxylated bisphenol A dimethacrylate	CAS-No.: 41637-38-1	10 – 30	Aquatic Chronic 4, H413
methacrylic acid, monoester with propane-1,2-diol	CAS-No.: 27813-02-1 EC-No.: 248-666-3	10 – 30	Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Chronic 3, H412
α , α -dimethylbenzyl hydroperoxide	CAS-No.: 80-15-9 EC-No.: 201-254-7 EC Index-No.: 617-002-00-8	< 1	Org. Perox. E, H242 Acute Tox. 4 (Oral), H302 Acute Tox. 2 (Dermal), H310 Acute Tox. 3 (Inhalation), H331 Acute Tox. 3 (Inhalation:gas), H331 Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Corr. 1B, H314 Eye Dam. 1, H318 STOT SE 2, H371 STOT RE 2, H373 Aquatic Chronic 2, H411
Acetic acid 2-phenylhydrazide	CAS-No.: 114-83-0 EC-No.: 204-055-3	< 1	Acute Tox. 3 (Oral), H301 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

Specific concentration limits:		
Name	Product identifier	Specific concentration limits (%)
α , α -dimethylbenzyl hydroperoxide	CAS-No.: 80-15-9 EC-No.: 201-254-7 EC Index-No.: 617-002-00-8	(0 ≤ C < 10) STOT SE 3; H335 (1 ≤ C < 3) Eye Irrit. 2; H319 (3 ≤ C < 10) Skin Irrit. 2; H315 (3 ≤ C < 10) Eye Dam. 1; H318 (10 ≤ C < 100) Skin Corr. 1B; H314

Full text of H- and EUH-statements: see section 16

SECTION 4: First Aid Measures

4.1. Description of first aid measures

No additional information available

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

No additional information available

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

No additional information available

SECTION 5: Firefighting Measures

5.1. Extinguishing media

No additional information available

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

No additional information available

SECTION 6: Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

No additional information available

6.2. Environmental precautions

No additional information available

6.3. Methods and material for containment and cleaning up

No additional information available

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and Storage

7.1. Precautions for safe handling

No additional information available

7.2. Conditions for safe storage, including any incompatibilities

No additional information available

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure Controls/Personal Protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

No additional information available

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	red.
Odour:	Mild odour
Odour threshold:	Not available
Melting point:	Not available
Freezing point:	Not available
Boiling point:	Not determined.
Flammability:	Not available
Lower explosion limit:	Not available
Upper explosion limit:	Not available
Flash point:	> 93 °C
Auto-ignition temperature:	Not determined.
Decomposition temperature:	Not available
pH:	Not available
Viscosity, kinematic:	Not available
Viscosity, dynamic:	200000 – 800000 cP
Solubility:	Not available
Partition coefficient n-octanol/water (Log Kow):	Not available
Vapour pressure:	Not available
Vapour pressure at 50°C:	Not available
Density:	Not available
Relative density:	1.1 g/cm ³
Relative vapour density at 20°C:	Not available
Particle characteristics:	Not applicable

9.2. Other information

No additional information available

SECTION 10: Stability and Reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

No additional information available

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

No additional information available

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

No additional information available

SECTION 11: Toxicological Information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral): Not classified

Acute toxicity (dermal): Not classified

Acute toxicity (inhalation): Not classified

ethoxylated bisphenol A dimethacrylate (41637-38-1)	
LD50 oral rat	> 2000 mg/kg bodyweight (OECD 423: Acute Oral Toxicity – Acute Toxic Class Method, Rat, Female, Read-across, Oral, 14 day(s))
LD50 dermal rat	> 2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Read-across, Dermal, 15 day(s))

methacrylic acid, monoester with propane-1,2-diol (27813-02-1)	
LD50 oral rat	> 2000 mg/kg bodyweight (OECD 401: Acute Oral Toxicity, 24 h, Rat, Male / female, Experimental value, Oral)
LD50 dermal rabbit	> 5000 mg/kg bodyweight (24 h, Rabbit, Male, Experimental value, Dermal, 14 day(s))

Acetic acid 2-phenylhydrazide (114-83-0)	
LD50 oral rat	270 mg/kg Source: THOMSON
LD50 oral	270 mg/kg bodyweight (Mouse, Literature study, Oral)

α , α -dimethylbenzyl hydroperoxide (80-15-9)	
oral rat	382 mg/kg (Rat, Male, Experimental value, Oral)
LD50 oral	382 mg/kg
LD50 dermal rat	530 mg/kg Source: HSDB
LD50 dermal rabbit	134 mg/kg bodyweight (24 h, Rabbit, Male, Weight of evidence, Dermal)
LD50 dermal	530 mg/kg
LC50 Inhalation - Rat	1.37 mg/l (4 h, Rat, Male, Experimental value, Converted value, Inhalation (vapours))
LC50 Inhalation - Rat [ppm]	220 ppm Animal: rat, Animal sex: male
LC50 Inhalation - Rat (Dust/Mist)	1.24 mg/l/4h
LC50 Inhalation - Rat (Vapours)	1 mg/l/4h

Skin corrosion/irritation: Not classified

ethoxylated bisphenol A dimethacrylate (41637-38-1)	
pH	4.7 (< 0.01 %, 20 °C, OECD 105: Water Solubility)

methacrylic acid, monoester with propane-1,2-diol (27813-02-1)	
pH	No data available in the literature

α , α -dimethylbenzyl hydroperoxide (80-15-9)	
pH	No data available in the literature

Serious eye damage/irritation: Causes serious eye irritation.

ethoxylated bisphenol A dimethacrylate (41637-38-1)	
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pH	4.7 (< 0.01 %, 20 °C, OECD 105: Water Solubility)
methacrylic acid, monoester with propane-1,2-diol (27813-02-1)	
pH	No data available in the literature
α, α-dimethylbenzyl hydroperoxide (80-15-9)	
pH	No data available in the literature
Respiratory or skin sensitisation:	May cause an allergic skin reaction.
Germ cell mutagenicity:	Not classified
Carcinogenicity:	Not classified
Reproductive toxicity:	Not classified
STOT-single exposure:	Not classified
α, α-dimethylbenzyl hydroperoxide (80-15-9)	
STOT-single exposure	May cause damage to organs.
STOT-repeated exposure:	Not classified
α, α-dimethylbenzyl hydroperoxide (80-15-9)	
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard:	Not classified
ethoxylated bisphenol A dimethacrylate (41637-38-1)	
Viscosity, kinematic	No data available in the literature
methacrylic acid, monoester with propane-1,2-diol (27813-02-1)	
Viscosity, kinematic	8.88 mm ² /s (20 °C, OECD 114: Viscosity of Liquids)
α, α-dimethylbenzyl hydroperoxide (80-15-9)	
Viscosity, kinematic	No data available in the literature

11.2. Information on other hazards

No additional information available

SECTION 12: Ecological Information

12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute): Not classified
Hazardous to the aquatic environment, long-term (chronic): Harmful to aquatic life with long lasting effects.

ethoxylated bisphenol A dimethacrylate (41637-38-1)	
LC50 - Fish [1]	> 100 mg/l Source: ECAH
EC50 72h - Algae [1]	> 100 mg/l Source: ECAH
methacrylic acid, monoester with propane-1,2-diol (27813-02-1)	
LC50 - Fish [1]	493 mg/l (DIN 38412-15, 48 h, Leuciscus idus, Static system, Fresh water, Experimental value, GLP)
EC50 - Crustacea [1]	> 143 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Semi-static system, Fresh water, Experimental value, Locomotor effect)
ErC50 algae	> 97.2 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP)
Acetic acid 2-phenylhydrazide (114-83-0)	
LC50 - Fish [1]	2.101 mg/l Source: ECOSAR
EC50 96h - Algae [1]	0.852 mg/l Source: ECOSAR
α, α-dimethylbenzyl hydroperoxide (80-15-9)	
LC50 - Fish [1]	3.9 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Oncorhynchus mykiss, Semi-static system, Fresh water, Experimental value, GLP)
EC50 - Crustacea [1]	19 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP)
ErC50 algae	3.1 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Desmodesmus subspicatus, Static system, Fresh water, Experimental value, GLP)

NOEC chronic algae	1 mg/l
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12.2. Persistence and degradability
D518

Persistence and degradability	Not rapidly degradable
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ethoxylated bisphenol A dimethacrylate (41637-38-1)

Persistence and degradability	Not readily biodegradable in water.
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methacrylic acid, monoester with propane-1,2-diol (27813-02-1)

Persistence and degradability	Readily biodegradable in water.
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Acetic acid 2-phenylhydrazide (114-83-0)

Persistence and degradability	Biodegradability in water: no data available.
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α , α -dimethylbenzyl hydroperoxide (80-15-9)

Persistence and degradability	Not readily biodegradable in water.
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12.3. Bioaccumulative potential

ethoxylated bisphenol A dimethacrylate (41637-38-1)

Partition coefficient n-octanol/water (Log Pow)	5.62 (Practical experience/observation, OECD 117: Partition Coefficient (n-octanol/water), HPLC method)
Bioaccumulative potential	High potential for bioaccumulation (Log Kow > 5).

methacrylic acid, monoester with propane-1,2-diol (27813-02-1)

Partition coefficient n-octanol/water (Log Pow)	0.97 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 20 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

Acetic acid 2-phenylhydrazide (114-83-0)

Partition coefficient n-octanol/water (Log Pow)	0.7
Bioaccumulative potential	No bioaccumulation data available.

α , α -dimethylbenzyl hydroperoxide (80-15-9)

Partition coefficient n-octanol/water (Log Pow)	1.6 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 25 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

12.4. Mobility in soil

ethoxylated bisphenol A dimethacrylate (41637-38-1)

Surface tension	No data available in the literature
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ethoxylated bisphenol A dimethacrylate (41637-38-1)

Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.56 – 3.88 (log Koc, Calculated value)
Ecology - soil	Low potential for mobility in soil.

methacrylic acid, monoester with propane-1,2-diol (27813-02-1)

Surface tension	No data available in the literature
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	1.9 (log Koc, Calculated value)
Ecology - soil	Highly mobile in soil.

Acetic acid 2-phenylhydrazide (114-83-0)

Ecology - soil	No (test)data on mobility of the substance available
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α , α -dimethylbenzyl hydroperoxide (80-15-9)

Surface tension	28 mN/m (-9 °C)
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Organic Carbon Normalized Adsorption Coefficient (Log Koc)	1.6 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Experimental value, GLP)
Ecology - soil	Highly mobile in soil.

12.5. Results of PBT and vPvB assessment

Component	
Substance(s) not meeting the PBT criteria of REACH regulation, in accordance with Annex XIII	ethoxylated bisphenol A dimethacrylate (41637-38-1), methacrylic acid, monoester with propane-1,2-diol (27813-02-1), α , α -dimethylbenzyl hydroperoxide (80-15-9)
Substance(s) not meeting the vPvB criteria of REACH regulation, in accordance with Annex XIII	ethoxylated bisphenol A dimethacrylate (41637-38-1), methacrylic acid, monoester with propane-1,2-diol (27813-02-1), α , α -dimethylbenzyl hydroperoxide (80-15-9)

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

No additional information available

SECTION 13: Disposal Considerations

13.1. Waste treatment methods

No additional information available

SECTION 14: Transport Information

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
14.1. UN number or ID number				
Not regulated for transport				
14.2. UN proper shipping name				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.4. Packing group				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.5. Environmental hazards				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information available				

14.6. Special precautions for user

Overland transport

Not regulated

Transport by sea

Not regulated

Air transport

Not regulated

Inland waterway transport

Not regulated

Rail transport

Not regulated

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory Information

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

EU-Regulations

REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains substance(s) listed on the REACH Candidate List < 0.1% or SCL.

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (2024/590)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 2024/590 on substances that deplete the ozone layer)

Council Regulation (EC) for the control of dual-use items

Contains no substance subject to the COUNCIL REGULATION (EC) for the control of dual-use items

Explosives Precursors Regulation (EU 2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (EC 273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other Information

Full text of H- and EUH-statements:

Acute Tox. 2 (Dermal)	Acute toxicity (dermal), Category 2
Acute Tox. 3 (Inhalation)	Acute toxicity (inhal.), Category 3
Acute Tox. 3 (Inhalation:gas)	Acute toxicity (inhalation:gas) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3
Aquatic Chronic 4	Hazardous to the aquatic environment – Chronic Hazard, Category 4
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Org. Perox. E	Organic Peroxides, Type E
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
STOT RE 2	Specific target organ toxicity – Repeated exposure, Category 2
STOT SE 2	Specific target organ toxicity – Single exposure, Category 2
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation
H242	Heating may cause a fire.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H310	Fatal in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.

H331	Toxic if inhaled.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H371	May cause damage to organs.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.

The classification complies with:

ATP 12

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

*** End of SDS ***