

FLANGE SEALANT - ANAEROBIC LP



SAFETY DATA SHEET

Compiled in accordance with REACH Regulation (EC) No 1907/2006, as retained and amended in UK law

ISSUE DATE: 29.09.2021
REVISION DATE: 13.01.2026
SUPERSEDES: 06.01.2023
VERSION: 2.1

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

1.1. Product identifier

Product form : Mixture
Trade name : Flange Sealant - Anaerobic LP
Product code : Ford Internal Ref.: 502529
SDS Number : 8873
Unique Formula Identifier (UFI) : CCRV-AEVG-E10Y-VTSD
Product use : Professional use

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

1.2.1. Relevant identified uses

Function or use category : Adhesives, sealants

1.2.2. Uses advised against

Restrictions on use : None known

1.3. Details of the supplier of the safety data sheet

Supplier

Ford-Werke GmbH
Edsel-Ford-Str. 2-14
50769 Cologne
Germany
+49 221 90-33333
sdseu@ford.com

Distributor

Ford Motor Company Ltd.
Parts Distribution Centre
Royal Oak Way South
NN11 8NT Daventry, Northants
United Kingdom
+44 1327 305 198

1.4. Emergency telephone number

+49 (0) 6132-84463 (GBK GmbH – 24/7)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations

Health hazards	Serious eye damage/eye irritation, Category 2	H319	Causes serious eye irritation.
	Skin sensitisation, Category 1	H317	May cause an allergic skin reaction.
	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation	H335	May cause respiratory irritation.
Environmental hazards	Hazardous to the aquatic environment – Chronic Hazard, Category 1	H410	Very toxic to aquatic life with long lasting effects.

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 The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations

Hazard pictograms



Signal word

Warning

Contains

1,1'-(methylenedi-p-phenylene)bismaleimide; α,α -dimethylbenzyl hydroperoxide ; 2-Phenylacetohydrazide

Hazard statements

H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H410	Very toxic to aquatic life with long lasting effects.

Precautionary statements

Prevention

P261	Avoid breathing vapours.
P273	Avoid release to the environment.
P280	Wear eye protection, protective gloves.

Response

P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.

2.3. Other hazards

Other hazards which do not result in classification : This product contains a substance that is classified as Acute Toxicity Category 3, Inhalation, in powder form. Experimental data show that this substance, as an ingredient in this mixture, is not biologically available according to CLP Art. 12 b.

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII.

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII.

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

Chemical name	CAS- No EC- No Index No RRN	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Notes
1,1'-(methylenedi-p-phenylene)bismaleimide	13676-54-5 237-163-4 - 01-2119969947-11-XXXX	1 - < 10	Acute Tox. 3 (Inhalation), H331 (ATE=0.5 mg/l/4h) Skin Sens. 1A, H317 Aquatic Chronic 1, H410 (M=10)	
α,α -dimethylbenzyl hydroperoxide	80-15-9 201-254-7 617-002-00-8 01-2119475796-19-XXXX	1 - < 2	Self-react. E, H242 Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight) Acute Tox. 4 (Dermal), H312 (ATE=1100 mg/kg bodyweight) Acute Tox. 2 (Inhalation:vapour), H330	(1 \leq C < 3) Eye Irrit. 2; H319 (1 \leq C < 10) STOT SE 3; H335 (3 \leq C < 10) Eye Dam. 1; H318 (3 \leq C < 10) Skin Irrit. 2; H315 (10 \leq C < 100) Skin Corr. 1B; H314

			(ATE=0.5 mg/l/4h) Skin Corr. 1B, H314 STOT RE 2, H373 Aquatic Chronic 2, H411
2-Phenylacetohydrazide	114-83-0 204-055-3 - 01-2120951382-56-XXXX	0,1 - < 1	Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg) Skin Sens. 1, H317 Carc. 2, H351 Aquatic Acute 1, H400 (M=1.0) Aquatic Chronic 1, H410 (M=1.0)
3,6-bis(ethylamino)-9-[2-(methoxycarbonyl)phenyl]-2,7-dimethylxanthylium chloride	3068-39-1 221-326-1 - 01-2120107344-68-XXXX	0,01 - < 0,1	Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg) Acute Tox. 2 (Inhalation:dust,mist), H330 (ATE=0.05 mg/l/4h) Eye Dam. 1, H318 Skin Sens. 1B, H317 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=1.0)

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

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: Call a poison center or a doctor if you feel unwell. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Never give anything by mouth to an unconscious person.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Call a poison center or a doctor if you feel unwell.
First-aid measures after skin contact	: Wash skin with soap and water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse immediately and thoroughly, pulling the eyelids well away from the eye (15 minutes minimum). Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.
First-aid measures after ingestion	: Call a physician immediately. Rinse mouth out with water. Drink 1 or 2 glasses of water. Do not induce vomiting.

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

Symptoms/effects after inhalation	: May cause respiratory irritation. May cause shortness of breath, tightness of the chest, a sore throat and cough.
Symptoms/effects after skin contact	: May cause an allergic skin reaction. Skin rash/inflammation.
Symptoms/effects after eye contact	: Eye irritation. Conjunctivitis.

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

Provide general supportive measures and treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media	: Do not use a water jet since it may cause the fire to spread.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire	: During fire, gases hazardous to health may be formed. Carbon oxides (CO, CO ₂). Nitrogen oxides.
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5.3. Advice for firefighters

- Firefighting instructions : Move containers from fire area if it can be done without personal risk. Use standard firefighting procedures and consider the hazards of other involved materials.
- Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
- Other information : Cool containers exposed to heat with water spray and remove container, if no risk is involved.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Protective equipment : Wear appropriate protective equipment and clothing during clean-up. Use personal protection recommended in Section 8 of the MSDS.
- Emergency procedures : Ventilate spillage area. Evacuate unnecessary personnel. Avoid contact with skin, eyes and clothing. Local authorities should be advised if significant spillages cannot be contained. Wear appropriate protective equipment and clothing during clean-up.

6.1.2. For emergency responders

- Protective equipment : Wear recommended personal protective equipment. For personal protection, see section 8 of the SDS.
- Emergency procedures : Keep unnecessary personnel away. Ventilate area.

6.2. Environmental precautions

Avoid release to the environment. Avoid discharge into drains, water courses or onto the ground. Prevent further leakage or spillage if safe to do so. Inform appropriate managerial or supervisory personnel of all environmental releases.

6.3. Methods and material for containment and cleaning up

- For containment : Waste disposal recommendations.
- Methods for cleaning up : Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water. Small spills: Take up liquid spill into absorbent material. Clean surface thoroughly to remove residual contamination. Never return spills in original containers for re-use.
- Other information : Dispose of materials or solid residues at an authorized site. Never return spills in original containers for re-use.

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For disposal of residues refer to section 13 : "Disposal considerations".

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Use only outdoors or in a well-ventilated area. Avoid breathing vapours. Avoid contact with skin and eyes. Wear personal protective equipment.
- Hygiene measures : Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Ensure adequate ventilation, especially in confined areas.
- Storage conditions : Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool.
- Incompatible products : Strong acids. Strong oxidizing agent. Keep away from open flames, hot surfaces and sources of ignition.
- Special rules on packaging : Keep only in original container.

7.3. Specific end use(s)

Adhesives, sealants.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. National occupational exposure and biological limit values

Exposure limit values for the other components

Silica, amorphous, fumed, cryst.-free (112945-52-5)

United Kingdom - Occupational Exposure Limits

WEL TWA (OEL TWA)	6 mg/m ³ Inhalable aerosol
	2.4 mg/m ³ respirable aerosol

Propane-1,2-diol (57-55-6)

United Kingdom - Occupational Exposure Limits

Local name	Propane-1,2-diol
WEL TWA (OEL TWA)	10 mg/m ³ particulates 474 mg/m ³ total vapour and particulates 150 ppm total vapour and particulates
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

1,1'-(methylenedi-p-phenylene)bismaleimide (13676-54-5)

PNEC (Water)

PNEC aqua (freshwater)	0.4 µg/L
PNEC aqua (marine water)	0.4 µg/L
PNEC aqua (intermittent, freshwater)	0.994 µg/L
PNEC aqua (intermittent, marine water)	0.994 µg/L

PNEC (Sediment)

PNEC sediment (freshwater)	0.041 mg/kg dwt
PNEC sediment (marine water)	0.004 mg/kg dwt

PNEC (Soil)

PNEC soil	8.05 mg/kg dwt
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PNEC (STP)

PNEC sewage treatment plant	3 mg/l
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α,α-dimethylbenzyl hydroperoxide (80-15-9)

DNEL/DMEL (Workers)

Long-term - systemic effects, inhalation	6 mg/m ³
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PNEC (Water)

PNEC aqua (freshwater)	0.1 mg/l
PNEC aqua (marine water)	0.01 mg/l
PNEC aqua (intermittent, freshwater)	0.031 mg/l

PNEC (Sediment)

PNEC sediment (freshwater)	0.758 mg/kg dwt
PNEC sediment (marine water)	0.076 mg/kg dwt

PNEC (Soil)

PNEC soil 0.093 mg/kg dwt

PNEC (STP)

PNEC sewage treatment plant 50 mg/l

3,6-bis(ethylamino)-9-[2-(methoxycarbonyl)phenyl]-2,7-dimethylxanthylum chloride (3068-39-1)

DNEL/DMEL (Workers)

Acute - systemic effects, dermal 0.06 mg/kg bw/day

Acute - systemic effects, inhalation 0.2 mg/m³

Acute - local effects, dermal 0.25 mg/cm²

Long-term - systemic effects, dermal 0.02 mg/kg bw/day

Long-term - local effects, dermal 0.125 mg/cm²

Long-term - systemic effects, inhalation 0.06 mg/m³

PNEC (Water)

PNEC aqua (freshwater) 0 mg/l

PNEC aqua (marine water) 0 mg/l

PNEC aqua (intermittent, freshwater) 0 mg/l

PNEC aqua (intermittent, marine water) 0 mg/l

PNEC (Sediment)

PNEC sediment (freshwater) 0.989 mg/kg dwt

PNEC sediment (marine water) 0.099 mg/kg dwt

PNEC (Soil)

PNEC soil 0.198 mg/kg dwt

PNEC (Oral)

PNEC oral (secondary poisoning) 0.1 mg/kg food

PNEC (STP)

PNEC sewage treatment plant 0.33 mg/l

8.1.5. Control banding

No additional information available

8.2. Exposure controls**8.2.1. Appropriate engineering controls****Appropriate engineering controls:**

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

8.2.2. Personal protection equipment**Personal protective equipment:**

Personal protective equipment should be chosen according to the CEN standards and in discussion with the supplier of the protective equipment.

8.2.2.1. Eye and face protection**Eye protection:**

EN 166. Safety glasses with side shields

8.2.2.2. Skin protection**Skin and body protection:**

Wear suitable protective clothing. Long sleeved protective clothing. EN 14605. EN ISO 13982

Hand protection:

protective gloves. DIN ISO 374. The recommendation is only valid for the supplied product and the stated application. Special working conditions, like heat or mechanical strain, which deviate from the test conditions, can reduce the protective effect provided by the recommended glove

Material	Permeation	Thickness (mm)	Comments
In case of splash contact: Nitrile rubber (NBR)	6 (> 480 minutes)	0,4	Glove recommendation: Camatril Velours® 730 (Kächele-Cama GmbH, source of supply see www.kcl.de) or comparable product.
Nitrile rubber (NBR)	6 (> 480 minutes)	0,4	Glove recommendation: Camatril Velours® 730 (Kächele-Cama GmbH, source of supply see www.kcl.de) or comparable product.

Other skin protection**Materials for protective clothing:**

Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment

8.2.2.3. Respiratory protection**Respiratory protection:**

In case of insufficient ventilation, wear suitable respiratory equipment. Type A - High-boiling (>65 °C) organic compounds. EN 14387

8.2.2.4. Thermal hazards**Thermal hazard protection:**

Wear appropriate thermal protective clothing, when necessary.

8.2.3. Environmental exposure controls**Environmental exposure controls:**

Avoid release to the environment.

Consumer exposure controls:

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: pink.
Appearance	: Liquid.
Odour	: acrylic.
Odour threshold	: Not available
Melting point	: Not applicable
Freezing point	: Not available
Boiling point	: > 150 °C
Flammability	: Not applicable
Explosive limits	: Not available
Lower explosive limit (LEL)	: Not available
Upper explosive limit (UEL)	: Not available
Flash point	: > 93 °C
Auto-ignition temperature	: Not applicable
Decomposition temperature	: Not applicable
pH	: Not available
Viscosity, kinematic	: > 20.5 mm ² /s @ 40°C
Viscosity, dynamic	: 40000 – 140000 mPa·s @ 25°C
Solubility	: insoluble in water.
Log Kow	: Not available
Vapour pressure	: < 5 mm Hg @ 27°C
Vapour pressure at 50°C	: < 300 mbar
Density	: 1.178 g/cm ³ @ 20°C
Relative density	: Not available
Relative vapour density at 20°C	: > 1
Particle size	: Not applicable
Particle size distribution	: Not applicable
Particle shape	: Not applicable

Particle aspect ratio	: Not applicable
Particle aggregation state	: Not applicable
Particle agglomeration state	: Not applicable
Particle specific surface area	: Not applicable
Particle dustiness	: Not applicable

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

VOC content : < 3 %

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

Strong oxidizing agents. Strong acids. Reducing agents. Strong bases.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. During fire, gases hazardous to health may be formed. Carbon oxides (CO, CO₂). Nitrogen oxides.

SECTION 11: Toxicological information

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

Acute toxicity (oral)	: Based on available data, the classification criteria are not met
Acute toxicity (dermal)	: Based on available data, the classification criteria are not met
Acute toxicity (inhalation)	: Based on available data, the classification criteria are not met

Flange Sealant - Anaerobic LP	
ATE CLP (oral)	> 2000 mg/kg
ATE CLP (dermal)	> 2000 mg/kg
ATE CLP (vapours)	> 20 mg/l
1,1'-(methylenedi-p-phenylene)bismaleimide (13676-54-5)	
LD50 oral rat	> 2000 mg/kg bodyweight
LC50 Inhalation - Rat (Dust/Mist)	0.515 – 1 mg/l/4h
α,α-dimethylbenzyl hydroperoxide (80-15-9)	
LD50 oral	382 mg/kg
LC50 Inhalation - Rat	1.37 mg/l
LC50 Inhalation - Rat [ppm]	220 ppm
2-Phenylacetohydrazide (114-83-0)	
LD50 oral rat	310.2 mg/kg (OECD 425 method); Up and down procedure

3,6-bis(ethylamino)-9-[2-(methoxycarbonyl)phenyl]-2,7-dimethylxanthylum chloride (3068-39-1)	
LD50 oral rat	449 mg/kg (OECD 401 method)
LC50 Inhalation - Rat (Dust/Mist)	0.05 – 0.5 mg/l/4h (OECD 403 method)
Skin corrosion/irritation	: Based on available data, the classification criteria are not met
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Based on available data, the classification criteria are not met
Carcinogenicity	: Based on available data, the classification criteria are not met
Reproductive toxicity	: Based on available data, the classification criteria are not met
STOT-single exposure	: May cause respiratory irritation.
STOT-repeated exposure	: Based on available data, the classification criteria are not met
α,α-dimethylbenzyl hydroperoxide (80-15-9)	
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	: Based on available data, the classification criteria are not met
Flange Sealant - Anaerobic LP	
Viscosity, kinematic	> 20.5 mm ² /s @ 40°C

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Adverse health effects caused by endocrine disrupting properties : 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 %

11.2.2. Other information

Potential adverse human health effects and symptoms : Occupational exposure to the substance or mixture may cause adverse effects
Other information : Likely routes of exposure: inhalation, skin and eye, Information on Effects: refer to section 4

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Very toxic to aquatic life with long lasting effects.
Hazardous to the aquatic environment, short-term (acute) : Based on available data, the classification criteria are not met
Hazardous to the aquatic environment, long-term (chronic) : Very toxic to aquatic life with long lasting effects.

1,1'-(methylenedi-p-phenylene)bismaleimide (13676-54-5)

LC50 - Fish [1] > 145 µg/l , 96h, Oncorhynchus mykiss (Rainbow trout), (OECD 203 method)
EC50 - Crustacea [1] > 99.4 µg/l , 48h, Daphnia magna (Water flea), (OECD 202 method)
EC50 72h - Algae [1] > 0.135 mg/l , 72h, Pseudokirchnerella subcapitata, (OECD 201 method)

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

LC50 - Fish [1] 3.9 mg/l 96 h; Oncorhynchus mykiss (Rainbow trout)(OECD 203 method)
EC50 - Crustacea [1] 18.84 mg/l 48 h; Daphnia magna (Water flea)(OECD 202 method)
EC50 72h - Algae [1] 3.1 mg/l 72 h; Desmodesmus subspicatus(OECD 201 method)

2-Phenylacetohydrazide (114-83-0)

EC50 - Crustacea [1] 1.1 mg/l 48 h; Daphnia magna (Water flea)(OECD 202 method)
NOEC chronic algae 0.012 mg/l 72h; Pseudokirchneriella subcapitata (OECD 201 method)

3,6-bis(ethylamino)-9-[2-(methoxycarbonyl)phenyl]-2,7-dimethylxanthylum chloride (3068-39-1)

LC50 - Fish [1] 6.85 mg/l , 96h, Leuciscus idus (golden orfe), DIN 38412-15

EC50 - Crustacea [1]	1 mg/l , 48 h, Daphnia magna (Water flea)(OECD 202 method)
NOEC chronic algae	0.014 mg/l , 72h, Pseudokirchneriella subcapitata(OECD 201 method)

12.2. Persistence and degradability

1,1'-(methylenedi-p-phenylene)bismaleimide (13676-54-5)

ThOD	0.05 g O2/l @ 28 d
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α,α-dimethylbenzyl hydroperoxide (80-15-9)

Persistence and degradability	Not readily biodegradable. (OECD 301B method).
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Biodegradation	2 – 7 % 28 days
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2-Phenylacetohydrazide (114-83-0)

Persistence and degradability	Not readily biodegradable. (OECD 301D method).
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Biodegradation	39 % 28 day
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12.3. Bioaccumulative potential

1,1'-(methylenedi-p-phenylene)bismaleimide (13676-54-5)

Log Kow	≤ 3
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α,α-dimethylbenzyl hydroperoxide (80-15-9)

Bioconcentration factor (BCF REACH)	9.1 (OECD 305 method)
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Log Pow	1.6 (OECD 117 method)
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2-Phenylacetohydrazide (114-83-0)

Log Pow	0.74 Quantitative structure-activity relationship (QSAR)
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12.4. Mobility in soil

1,1'-(methylenedi-p-phenylene)bismaleimide (13676-54-5)

Organic Carbon Normalized Adsorption Coefficient (Log Koc)	3
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12.5. Results of PBT and vPvB assessment

Flange Sealant - Anaerobic LP

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII.

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII.

12.6. Endocrine disrupting properties

Adverse effects on the environment caused by endocrine disrupting properties	: 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 %
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12.7. Other adverse effects

Other adverse effects	: No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this product
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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional waste regulation	: Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions). Dispose of in accordance with local regulations.
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Waste treatment methods	: Collect and reclaim or dispose in closed containers at licensed waste disposal site. Do not contaminate ponds, waterways or ditches with chemical or used container. Do not allow to enter drains or water courses. Dispose of contents/container in accordance with licensed collector's sorting instructions.
European List of Waste (LoW, EC 2000/532)	: 08 04 09* - waste adhesives and sealants containing organic solvents or other dangerous substances 15 01 10* - packaging containing residues of or contaminated by dangerous substances

SECTION 14: Transport information

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

14.1. UN number or ID number

UN-No. (ADR)	: UN 3082
UN-No. (IMDG)	: UN 3082
UN-No. (IATA)	: UN 3082
UN-No. (ADN)	: UN 3082
UN-No. (RID)	: UN 3082

14.2. UN proper shipping name

Proper Shipping Name (ADR)	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1,1'-(methylenedi-p-phenylene)bismaleimide ; 2-Phenylacetohydrazide)
Proper Shipping Name (IMDG)	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1,1'-(methylenedi-p-phenylene)bismaleimide ; 2-Phenylacetohydrazide)
Proper Shipping Name (IATA)	: Environmentally hazardous substance, liquid, n.o.s. (1,1'-(methylenedi-p-phenylene)bismaleimide ; 2-Phenylacetohydrazide)
Proper Shipping Name (ADN)	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1,1'-(methylenedi-p-phenylene)bismaleimide ; 2-Phenylacetohydrazide)
Proper Shipping Name (RID)	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1,1'-(methylenedi-p-phenylene)bismaleimide ; 2-Phenylacetohydrazide)

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR)	: 9
Danger labels (ADR)	: 9

IMDG

Transport hazard class(es) (IMDG)	: 9
Danger labels (IMDG)	: 9

IATA

Transport hazard class(es) (IATA)	: 9
Hazard labels (IATA)	: 9

ADN

Transport hazard class(es) (ADN)	: 9
Danger labels (ADN)	: 9

RID

Transport hazard class(es) (RID)	: 9
Danger labels (RID)	: 9

14.4. Packing group

Packing group (ADR)	: III
Packing group (IMDG)	: III
Packing group (IATA)	: III
Packing group (ADN)	: III
Packing group (RID)	: III

14.5. Environmental hazards

Dangerous for the environment	: Yes
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Marine pollutant : Yes
Other information : No supplementary information available.

14.6. Special precautions for user

Overland transport

Classification code (ADR) : M6
Special provisions (ADR) : 274, 335, 375, 601, 650
Limited quantities (ADR) : 5l
Packing instructions (ADR) : P001, IBC03, LP01, R001
Hazard identification number (Kemler No.) : 90
Tunnel restriction code (ADR) : -
EAC code : •3Z

Transport by sea

Special provisions (IMDG) : 274, 335, 375, 969
Limited quantities (IMDG) : 5 L
Packing instructions (IMDG) : LP01, P001
EmS-No. (Fire) : F-A
EmS-No. (Spillage) : S-F
Stowage category (IMDG) : A

Air transport

PCA Excepted quantities (IATA) : E1
PCA Limited quantities (IATA) : Y964
PCA limited quantity max net quantity (IATA) : 30kgG
PCA packing instructions (IATA) : 964
PCA max net quantity (IATA) : 450L
CAO packing instructions (IATA) : 964
CAO max net quantity (IATA) : 450L
Special provisions (IATA) : A97, A158, A197, A215
ERG code (IATA) : 9L

Inland waterway transport

Classification code (ADN) : M6
Special provisions (ADN) : 274, 335, 375, 601, 650
Limited quantities (ADN) : 5 L
Carriage permitted (ADN) : T

Rail transport

Classification code (RID) : M6
Special provisions (RID) : 274, 335, 375, 601, 650
Limited quantities (RID) : 5L
Packing instructions (RID) : P001, IBC03, LP01, R001
Hazard identification number (RID) : 90

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

15.1.1. EU-Regulations

EU restriction list (REACH Annex XVII)

Reference code	Applicable on
3(b)	Flange Sealant - Anaerobic LP ; α,α -dimethylbenzyl hydroperoxide ; 2-Phenylacetohydrazide
3(c)	Flange Sealant - Anaerobic LP ; α,α -dimethylbenzyl hydroperoxide ; 2-Phenylacetohydrazide

Contains no substance(s) listed on the REACH Candidate List

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

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

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

VOC content : < 3 %
 Other information, restriction and prohibition regulations : Directive 92/85/EEC on the safety and health of pregnant workers and workers who have recently given birth or are breastfeeding as amended. Directive 94/33/EC on the protection of young people at work, as amended. Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work, as amended. For details, refer to section 3 and 8.

Directive 2012/18/EU (SEVESO III)

Seveso Additional information : Not applicable

Seveso III Part I (Categories of dangerous substances)

	Qualifying quantity (tonnes)	
	Lower-tier	Upper-tier
E1 Hazardous to the Aquatic Environment in Category Acute 1 or Chronic 1	100	200

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes:

Section 3. Composition/information on ingredients. SECTION 4. SECTION 5. SECTION 6. SECTION 7. SECTION 8. Section 9. Physical and chemical properties. SECTION 10. SECTION 11. SECTION 12. SECTION 13. Transport information. SECTION 15. Regulatory information. Water hazard class (WGK).

Abbreviations and acronyms

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
EN	European Standard
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstracts Service number
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative
ED	Endocrine disruptor

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Training advice : Normal use of this product shall imply use in accordance with the instructions on the packaging.

Full text of H- and EUH-statements

Acute Tox. 2 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 2
Acute Tox. 2 (Inhalation:vapour)	Acute toxicity (inhalation:vapour) Category 2
Acute Tox. 3 (Inhalation)	Acute toxicity (inhal.), Category 3
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), 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
Carc. 2	Carcinogenicity, Category 2
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Self-react. E	Self-Reactive Substances and Mixtures, 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
Skin Sens. 1A	Skin sensitisation, category 1A
Skin Sens. 1B	Skin sensitisation, category 1B
STOT RE 2	Specific target organ toxicity – Repeated exposure, Category 2
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation
H242	Heating may cause a fire.
H302	Harmful if swallowed.
H312	Harmful 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.
H330	Fatal if inhaled.
H331	Toxic if inhaled.
H335	May cause respiratory irritation.
H351	Suspected of causing cancer.
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.

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]

Eye Irrit. 2	H319	Calculation method
Skin Sens. 1	H317	Calculation method
STOT SE 3	H335	Calculation method
Aquatic Chronic 1	H410	Calculation method

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

Attachment to the Safety Data Sheet



Productname: Flange Sealant - Anaerobic LP

Ford Internal Ref.: 502529

Revision Date: 13.01.2026

Involved Products:

	Finiscode	Part Number	Packaging
1	2 550 017	5U7J M2G348 CA	50 ml