Bijlard RS 80 Hars

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
Issue date: 5/4/2026 Version: 1.0

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

1.1. Product identifier

Product form : Mixture
Product name : Bijlard RS 80 Hars
UFI : J4G0-U0QG-F00C-3YY4
Product group : Trade product

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

Relevant identified uses

Industrial/Professional use spec : For professional use only
Use of the substance/mixture : Adhesive

Title	Life cycle stage	Use descriptors
Bijlard RS 80 Hars	Professional	SU0, PC1

Full text of use descriptors: see section 16

1.3. Details of the supplier of the safety data sheet

Bijlard International
Platinastraat 141
2718 SR Zoetermeer
The Netherlands
T +31 (0) 79 343 75 38
info@bijlard.com, www.bijlard.com

1.4. Emergency telephone number

Country/Area	Organisation	Emergency number
United Kingdom	National Poisons Information Service (Birmingham Centre). City Hospital. Dudley Road B18 7QH Birmingham.	0344 892 0111 Only for healthcare professionals

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Corrosive to metals Not classified

Acute toxicity (oral), Category 4	H302
Acute toxicity (inhalation:dust,mist) Category 4	H332
Skin corrosion/irritation, Category 1, Sub-Category 1B	H314
Skin sensitisation, Category 1	H317
Germ cell mutagenicity, Category 2	H341
Specific target organ toxicity – Single exposure, Category 2	H371
Specific target organ toxicity – Repeated exposure, Category 2	H373
Hazardous to the aquatic environment – Chronic Hazard, Category 3	H412

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

Adverse physicochemical, human health and environmental effects

Suspected of causing genetic defects. May cause damage to organs through prolonged or repeated exposure. May cause damage to organs. Harmful if inhaled. Harmful if swallowed. Causes severe skin burns and eye damage. May cause an allergic skin reaction. Harmful to aquatic life with long lasting effects.

2.2. Label elements

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

Hazard pictograms (CLP) :

GHS05 GHS07 GHS08

Signal word (CLP) : Danger

Contains : Formaldehyde, polymer with 1,3-benzenediol and phenol ; phenol; Resorcinol; methanol

Hazard statements (CLP) : H302+H332 - Harmful if swallowed or if inhaled.
H314 - Causes severe skin burns and eye damage.
H317 - May cause an allergic skin reaction.
H341 - Suspected of causing genetic defects.
H371 - May cause damage to organs.
H373 - May cause damage to organs through prolonged or repeated exposure.
H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements (CLP) : P201 - Obtain special instructions before use.
P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353+P310 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a POISON CENTER or doctor.
P305+P351+P338+P310 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.
P321 - Specific treatment (see supplemental first aid instruction on this label).

2.3. Other hazards

Contains no PBT and/or vPvB substances ≥ 0.1% assessed in accordance with REACH 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 %

Component	
Substance(s) not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is 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	Resorcinol (108-46-3)

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Product name	Product identifier	% w/w (% w/w)	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Formaldehyde, polymer with 1,3-benzenediol and phenol	CAS-No.: 25986-71-4 EC-No.: 607-841-8	30 – 50	Skin Sens. 1, H317

Product name	Product identifier	% w/w (% w/w)	Classification according to Regulation (EC) No. 1272/2008 [CLP]
phenol substance with national workplace exposure limit(s) (GB); substance with a Community workplace exposure limit	CAS-No.: 108-95-2 EC-No.: 203-632-7 EC Index-No.: 604-001-00-2 REACH-no: 01-2119471329-32	20 – 30	Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation:dust,mist), H331 Skin Corr. 1B, H314 Muta. 2, H341 STOT RE 2, H373 Aquatic Chronic 2, H411
Ethanol substance with national workplace exposure limit(s) (GB)	CAS-No.: 64-17-5 EC-No.: 200-578-6 EC Index-No.: 603-002-00-5 REACH-no: 01-2119457610-43	5 – 10	Flam. Liq. 2, H225 Eye Irrit. 2, H319
Resorcinol substance with national workplace exposure limit(s) (GB); substance with a Community workplace exposure limit	CAS-No.: 108-46-3 EC-No.: 203-585-2 EC Index-No.: 604-010-00-1 REACH-no: 01-2119480136-40	1 – 5	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1B, H317 STOT SE 1, H370 STOT SE 2, H371 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 3, H412
methanol substance with national workplace exposure limit(s) (GB); substance with a Community workplace exposure limit	CAS-No.: 67-56-1 EC-No.: 200-659-6 EC Index-No.: 603-001-00-X REACH-no: 01-2119433307-44	1 – 5	Flam. Liq. 2, H225 Acute Tox. 3 (Inhalation), H331 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Oral), H301 STOT SE 1, H370

Specific concentration limits:		
Product name	**Product identifier**	**Specific concentration limits (% w/w (% w/w))**
phenol	CAS-No.: 108-95-2 EC-No.: 203-632-7 EC Index-No.: 604-001-00-2 REACH-no: 01-2119471329-32	(1 ≤ C < 3) Eye Irrit. 2; H319 (1 ≤ C < 3) Skin Irrit. 2; H315 (3 ≤ C ≤ 100) Skin Corr. 1B; H314
methanol	CAS-No.: 67-56-1 EC-No.: 200-659-6 EC Index-No.: 603-001-00-X REACH-no: 01-2119433307-44	(3 ≤ C < 10) STOT SE 2; H371 (10 ≤ C ≤ 100) STOT SE 1; H370

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 physician immediately. IF exposed or concerned: Get medical advice/attention. If medical advice is needed, have product container or label at hand.

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. If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Respiratory arrest: artificial respiration or oxygen. In case of unconsciousness place in unconscious position and seek medical advice. Get immediate medical advice/attention.

First-aid measures after skin contact : Rinse skin with water/shower. Take off immediately all contaminated clothing. Call a physician immediately. Wash skin with mild soap and water. Get medical advice/attention.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately. Rinse immediately with plenty of water, also under the eyelids. Get medical advice/attention.

First-aid measures after ingestion : Rinse mouth. Do not induce vomiting. Call a physician immediately. IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical advice/attention.

Self protection of the first-aider : First-aiders should pay attention to their own protection and use the recommended personal protective equipment (see section 8).

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

Symptoms/effects after inhalation : Harmful if inhaled.

Symptoms/effects after skin contact : Burns. May cause an allergic skin reaction.

Symptoms/effects after eye contact : Serious damage to eyes.

Symptoms/effects after ingestion : Harmful if swallowed. Burns.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide. Alcohol-resistant foam. Making extinguishing agents environment-friendly.

Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard : No fire hazard.

Explosion hazard : Carbon dioxide (CO2). Carbon monoxide.

Reactivity in case of fire : Combustion produces irritating gases.

Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Advice for firefighters

Firefighting instructions : Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material damage. Wear personal protective equipment. Avoid breathing dust, mist or spray. Ensure adequate air ventilation. Keep away from sources of ignition. Keep public away from danger area.

For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment.

Emergency procedures : Ventilate spillage area. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes. Evacuate unnecessary personnel.

For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

Emergency procedures : Evacuate unnecessary personnel. Stop leak if safe to do so.

6.2. Environmental precautions

Do not allow to enter drains or water courses. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

For containment : Absorb spilled material with sand or earth. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak without risks if possible.

Methods for cleaning up : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters. Place in a suitable container for disposal in accordance with the waste regulations (see Section 13). Store away from other materials.

Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

Concerning personal protective equipment to use, see section 8. Concerning disposal elimination after cleaning, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Not expected to present a significant hazard under anticipated conditions of normal use.

Precautions for safe handling : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well-ventilated area. Avoid contact with skin and eyes. Wear personal protective equipment. Provide sufficient air exchange and/or exhaust. Avoid contact with skin, eyes and clothing.

Hygiene measures : Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Keep in a cool, well-ventilated place away from heat.

Storage conditions : Store locked up. Keep only in the original container in a cool, well-ventilated place. Containers which are opened should be properly resealed and kept upright to prevent leakage.

Packaging materials : Always store product in container of same material as original container.

7.3. Specific end use(s)

No supplementary information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

National occupational exposure and biological limit values

phenol (108-95-2)	
EU - Indicative Occupational Exposure Limit (IOEL)	
Local name	Phenol
IOEL TWA	8 mg/m³
	2 ppm
IOEL STEL	16 mg/m³
	4 ppm
Remark	Skin
Regulatory reference	COMMISSION DIRECTIVE 2009/161/EU

phenol (108-95-2)	
EU - Biological Limit Value (BLV)	
Local name	Phenol
BLV	120 mg/g creatinine Parameter: phenol - Medium: urine
Regulatory reference	SCOEL List of recommended health-based BLVs and BGVs
United Kingdom - Occupational Exposure Limits	
Local name	Phenol
WEL TWA (OEL TWA)	7.8 mg/m³
	2 ppm
WEL STEL (OEL STEL)	16 mg/m³
	4 ppm
Remark	Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity)
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

Ethanol (64-17-5)	
United Kingdom - Occupational Exposure Limits	
Local name	Ethanol
WEL TWA (OEL TWA)	1920 mg/m³
	1000 ppm
WEL STEL (OEL STEL)	5760 mg/m³ (calculated)
	3000 ppm (calculated)
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

Resorcinol (108-46-3)	
EU - Indicative Occupational Exposure Limit (IOEL)	
Local name	Resorcinol
IOEL TWA	45 mg/m³
	10 ppm
Remark	Skin
Regulatory reference	COMMISSION DIRECTIVE 2006/15/EC
United Kingdom - Occupational Exposure Limits	
Local name	Resorcinol
WEL TWA (OEL TWA)	46 mg/m³
	10 ppm
WEL STEL (OEL STEL)	92 mg/m³
	20 ppm
Remark	Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity)
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

methanol (67-56-1)	
EU - Indicative Occupational Exposure Limit (IOEL)	
Local name	Methanol
IOEL TWA	260 mg/m³
	200 ppm
Remark	Skin
Regulatory reference	COMMISSION DIRECTIVE 2006/15/EC
United Kingdom - Occupational Exposure Limits	
Local name	Methanol
WEL TWA (OEL TWA)	266 mg/m³
	200 ppm
WEL STEL (OEL STEL)	333 mg/m³
	250 ppm
Remark	Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity)
Regulatory reference	EH40. HSE

DNEL and PNEC

phenol (108-95-2)	
DNEL/DMEL (Workers)	
Acute - local effects, inhalation	16 mg/m³
Long-term - systemic effects, dermal	1.23 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	8 mg/m³
DNEL/DMEL (General population)	
Long-term - systemic effects,oral	0.5 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	0.452 mg/m³
Long-term - systemic effects, dermal	0.5 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	7.7 µg/l
PNEC aqua (marine water)	770 ng/l
PNEC aqua (intermittent, freshwater)	31 µg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	91.5 µg/kg
PNEC sediment (marine water)	9.15 µg/kg
PNEC (Soil)	
PNEC soil	136 µg/kg
PNEC (STP)	
PNEC sewage treatment plant	2.1 mg/l

Ethanol (64-17-5)	
DNEL/DMEL (Workers)	
Acute - local effects, inhalation	1900 mg/m³

Ethanol (64-17-5)	
Long-term - systemic effects, dermal	343 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	950 mg/m³
DNEL/DMEL (General population)	
Acute - local effects, inhalation	950 mg/m³
Long-term - systemic effects,oral	87 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	114 mg/m³
Long-term - systemic effects, dermal	206 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	960 µg/l
PNEC aqua (marine water)	790 µg/l
PNEC aqua (intermittent, freshwater)	2.75 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	3.6 mg/kg dwt
PNEC sediment (marine water)	2.9 mg/kg dwt
PNEC (Soil)	
PNEC soil	630 µg/kg
PNEC (Oral)	
PNEC oral (secondary poisoning)	380 – 720 mg/kg food
PNEC (STP)	
PNEC sewage treatment plant	580 mg/l

Resorcinol (108-46-3)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	40 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	5.6 mg/m³
DNEL/DMEL (General population)	
Long-term - systemic effects,oral	400 µg/kg dw
Long-term - systemic effects, inhalation	1.4 mg/m³
Long-term - systemic effects, dermal	20 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	17.2 µg/l
PNEC aqua (marine water)	1.72 µg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	79.7 µg/kg
PNEC sediment (marine water)	7.97 µg/kg
PNEC (Soil)	
PNEC soil	10 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	79.7 µg/kg dw

methanol (67-56-1)	
DNEL/DMEL (Workers)	
Acute - systemic effects, dermal	20 mg/kg bodyweight/day
Acute - systemic effects, inhalation	130 mg/m³
Acute - local effects, inhalation	130 mg/m³
Long-term - systemic effects, dermal	20 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	130 mg/m³
Long-term - local effects, inhalation	130 mg/m³
DNEL/DMEL (General population)	
Acute - systemic effects, dermal	4 mg/kg bodyweight
Acute - systemic effects, inhalation	26 mg/m³
Acute - systemic effects, oral	4 mg/kg bodyweight
Acute - local effects, inhalation	26 mg/m³
Long-term - systemic effects,oral	4 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	26 mg/m³
Long-term - systemic effects, dermal	4 mg/kg bodyweight/day
Long-term - local effects, inhalation	26 mg/m³
PNEC (Water)	
PNEC aqua (freshwater)	20.8 mg/l
PNEC aqua (marine water)	2.08 mg/l
PNEC aqua (intermittent, freshwater)	1540 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	77 mg/kg dwt
PNEC sediment (marine water)	7.7 mg/kg dwt
PNEC (Soil)	
PNEC soil	100 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	100 mg/l

Sodium hydroxide (1310-73-2)	
DNEL/DMEL (Workers)	
Long-term - local effects, inhalation	1 mg/m³
DNEL/DMEL (General population)	
Long-term - local effects, inhalation	1 mg/m³

8.2. Exposure controls

Appropriate engineering controls

Appropriate engineering controls:
Ensure good ventilation of the work station. Local exhaust or breathing protection.

Personal protection equipment

Personal protective equipment:
Wear recommended personal protective equipment. Safety glasses. Gloves. Protective clothing. EN 1149-2.

Personal protective equipment symbol(s):

Eye and face protection

Eye protection:
Wear safety glasses with side shields (EN 166)

Skin protection

Skin and body protection:
Wear suitable protective clothing. Choose protective clothing according to the type, quantity and concentration of hazardous substances, and the specific workplace. EN 1149-1. Chemical resistant safety shoes

Hand protection:
Protective gloves. Suitable chemical resistant safety gloves (EN 374) also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374): e.g. nitrile rubber (>=0.4 mm), butyl rubber (>=0.7 mm) and others. Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed. Gloves must be replaced after each use and whenever signs of wear or perforation appear

Respiratory protection

Respiratory protection:
Wear respiratory protection when in the presence of vapour, dust, and aerosols. Wear a full face respirator conforming to EN136. Mist formation: aerosol mask with filter type P3. No respiratory protection needed under normal use conditions. In the event of exposure to high concentrations of dust or vapour: Use mask type P1 (EN 143 EU) against interfering environmental influences. For higher levels of protection, use mask filter type ABEK-P2 (EU EN 143). Breathing equipment and components have to be tested and approved under appropriate government standards such as CEN (EU).

Environmental exposure controls

Environmental exposure controls:
Avoid release to the environment.
Other information:
If on skin, take off contaminated clothing. Keep away from food, drink and animal feedingstuffs. Avoid contact with skin and eyes. Wash hands before breaks and after work.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Liquid
Colour	:	brown.
Odour	:	Sweet.
Odour threshold	:	Not available
Melting point	:	Not applicable
Freezing point	:	Not available
Boiling point	:	Not available
Flammability	:	Non flammable
Lower explosion limit	:	Not available
Upper explosion limit	:	Not available
Flash point	:	> 61 °C Closed cup
Auto-ignition temperature	:	Not available
Decomposition temperature	:	Not available
pH	:	> 7 – < 9
Viscosity, kinematic	:	Not available
Solubility	:	Water: Miscible
Partition coefficient n-octanol/water (Log Kow)	:	Not available
Partition coefficient n-octanol/water (Log Pow)	:	1.8
Vapour pressure	:	Not available
Vapour pressure at 50°C	:	Not available
Density	:	1.1 g/cm³

Relative density : Not available
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

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

10.2. Chemical stability

Stable under normal conditions. Stable in use and storage conditions as recommended in item 7.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use. No dangerous reactions known.

10.4. Conditions to avoid

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

10.5. Incompatible materials

No additional information available.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Formaldehyde and phenol may be released during processing.

SECTION 11: Toxicological information

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

Acute toxicity (oral) : Harmful if swallowed.
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Inhalation:dust,mist: Harmful if inhaled.

Bijlard RS 80 Hars	
ATE oral	358.94 mg/kg bodyweight
ATE dust/mist	1.853 mg/l/4h

phenol (108-95-2)	
LD50 oral rat	340 – 650 mg/kg bodyweight
LD50 dermal rat	0.625 ml/kg
ATE oral	340 mg/kg bodyweight
ATE dermal	668.75 mg/kg bodyweight
ATE dust/mist	0.5 mg/l/4h

Ethanol (64-17-5)	
LD50 oral rat	1187 – 15010 mg/kg bodyweight
LC50 Inhalation - Rat	82.1 – 92.6 mg/l/4h
ATE oral	10470 mg/kg bodyweight
ATE vapours	124.7 mg/l/4h

Ethanol (64-17-5)	
ATE dust/mist	124.7 mg/l/4h

Resorcinol (108-46-3)	
LD50 oral rat	510 mg/kg bodyweight
LD50 dermal rabbit	2830 mg/kg
LC50 Inhalation - Rat	7.8 mg/l
ATE oral	500 mg/kg bodyweight

methanol (67-56-1)	
LD50 oral rat	1187 mg/kg bodyweight
LD50 oral	6000 mg/kg bodyweight monkey
LD50 dermal	17100 mg/kg
LC50 Inhalation - Rat	43.7 mg/l/4h
LC50 Inhalation - Rat (Vapours)	87.5 mg/l air 6 h. BASF-test.
ATE oral	100 mg/kg bodyweight
ATE dermal	300 mg/kg bodyweight
ATE gases	700 ppmv/4h
ATE vapours	3 mg/l/4h
ATE dust/mist	0.5 mg/l/4h

Skin corrosion/irritation : Causes severe skin burns.
pH: > 7 – < 9

Serious eye damage/irritation : Assumed to cause serious eye damage
pH: > 7 – < 9

Respiratory or skin sensitisation : May cause an allergic skin reaction.

Germ cell mutagenicity : Suspected of causing genetic defects.

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

methanol (67-56-1)	
NOAEL (animal/male, F0/P)	< 1000 mg/kg bodyweight Animal: mouse, Animal sex: male

STOT-single exposure : May cause damage to organs.

Resorcinol (108-46-3)	
STOT-single exposure	Causes damage to organs. May cause damage to organs.

methanol (67-56-1)	
STOT-single exposure	Causes damage to organs.

STOT-repeated exposure : May cause damage to organs through prolonged or repeated exposure.

phenol (108-95-2)	
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.

Ethanol (64-17-5)	
LOAEL (oral, rat, 90 days)	3200 mg/kg bodyweight/day
NOAEL (oral, rat, 90 days)	1730 mg/kg bodyweight/day
NOAEC (inhalation, rat, vapour, 90 days)	6.66 mg/l

methanol (67-56-1)	
NOAEC (inhalation, rat, vapour, 90 days)	13.3 mg/l
NOAEC (inhalation, rat, dust/mist/fume, 90 days)	260 – 6660 mg/m³

Aspiration hazard : Not classified

phenol (108-95-2)	
Viscosity, kinematic	1.579 – 3.212 mm²/s

Ethanol (64-17-5)	
Viscosity, kinematic	1.082 – 2.247 mm²/s

methanol (67-56-1)	
Viscosity, kinematic	0.68 – 0.747 mm²/s

11.2. Information on other hazards

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Harmful to aquatic life with long lasting effects.
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.

phenol (108-95-2)	
LC50 - Fish	8.9 – 21.93 mg/l
LC50 - Other aquatic organisms [1]	0.001 mg/l Rana pipiens (Leopard frog);4 d
EC50 - Crustacea	3.1 mg/l
EC50 - Other aquatic organisms [1]	61.82 mg/l Lemna minor;7 d
EC50 - Other aquatic organisms [2]	21 mg/l Microorganisms;24 h
EC50 72h - Algae	61.1 mg/l
EC50 96h - Algae [1]	61.1 mg/l Raphidocelis subcapitata
NOEC chronic fish	0.077 mg/l Cirrhina mrigala;60 d
NOEC chronic crustacea	0.46 mg/l Daphnia magna;16 d

Ethanol (64-17-5)	
LC50 - Fish	14.2 g/l
LC50 - Fish [2]	13000 mg/l (Oncorhynchus mykiss (Rainbow trout))
EC50 - Crustacea	12340 mg/l
EC50 72h - Algae	275 mg/l Chlorella vulgaris
NOEC (chronic)	> 1 mg/l 24d

Resorcinol (108-46-3)	
LC50 - Fish	26.8 – 29.5 mg/l
EC50 - Crustacea	4.7 mg/l
EC50 72h - Algae	97 mg/l

methanol (67-56-1)	
LC50 - Fish	15400 mg/l Test organisms (species): Lepomis macrochirus
LC50 - Fish [2]	29400 mg/l 96 h. Pimephales promelas. EPA-660/3-75-009, 1975.
EC50 - Crustacea	18260 mg/l 96 h. Daphnia magna. OECD 202.
EC50 - Crustacea [2]	> 10000 mg/l 24 h. 48 h. Daphnia magna. DIN 38412 Teil 11.
EC50 - Other aquatic organisms [1]	20000 mg/l 15 h. activated sludge.
EC50 96h - Algae [1]	22 g/l
NOEC (chronic)	208 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC chronic fish	446.7 mg/l (28 d)
NOEC chronic crustacea	208 mg/l (21 d)
Threshold limit - Other aquatic organisms [1]	6600 mg/l (16 h; Pseudomonas putida)
Threshold limit - Algae [1]	530 mg/l (192 h; Microcystis aeruginosa)
Threshold limit - Algae [2]	8000 mg/l (168 h; Scenedesmus quadricauda)
Additional information	:

12.2. Persistence and degradability

Bijlard RS 80 Hars	
Persistence and degradability	Rapidly degradable

Formaldehyde, polymer with 1,3-benzenediol and phenol (25986-71-4)	
Persistence and degradability	Rapidly degradable

phenol (108-95-2)	
Persistence and degradability	Rapidly degradable
Biodegradation	80.1 % 50 d

Ethanol (64-17-5)	
Persistence and degradability	Readily biodegradable.

Resorcinol (108-46-3)	
Persistence and degradability	Rapidly degradable

methanol (67-56-1)	
Persistence and degradability	Readily biodegradable in water, Biodegradable in the soil, Highly mobile in soil.
Biochemical oxygen demand (BOD)	0.6 – 1.12 g O_2/g substance
Chemical oxygen demand (COD)	1.42 g O_2/g substance
ThOD	1.5 g O_2/g substance
BOD (% of ThOD)	0.8 % ThOD
Biodegradation	1.067 – 1.236 g O_2/g substance

12.3. Bioaccumulative potential

Bijlard RS 80 Hars	
Partition coefficient n-octanol/water (Log Pow)	1.8

phenol (108-95-2)	
Bioconcentration factor (BCF REACH)	17.5
Partition coefficient n-octanol/water (Log Pow)	1.47 30 °C
Partition coefficient n-octanol/water (Log Kow)	1.47 @30°C

Ethanol (64-17-5)	
Partition coefficient n-octanol/water (Log Pow)	-0.32
Bioaccumulative potential	No bioaccumulation.

Resorcinol (108-46-3)	
Partition coefficient n-octanol/water (Log Pow)	0.8 @ 20 °C

methanol (67-56-1)	
BCF - Fish [1]	< 10 (72 h; Leuciscus idus)
BCF - Fish [2]	1 (72 h; Cyprinus carpio; Blood)
Bioconcentration factor (BCF REACH)	< 10
Partition coefficient n-octanol/water (Log Pow)	≈ -0.77 @ 20 °C
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).

12.4. Mobility in soil

methanol (67-56-1)	
Surface tension	0.023 N/m (20 °C)

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

Bijlard RS 80 Hars	
Other information	Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional waste regulation : Disposal must be done according to official regulations.
Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations : Disposal must be done according to official regulations.
Product/Packaging disposal recommendations : Disposal must be done according to official regulations. Dispose in a safe manner in accordance with local/national regulations.
Additional information : Do not re-use empty containers.
Ecological waste information : The waste of the product should be considered as hazardous as the product itself, with the likelihood of impacting the environment in the same way. Consider the handling and disposal of the waste as defined by the product itself. Avoid release to the environment.
European List of Waste (LoW, EC 2000/532) : 08 04 09* - waste adhesives and sealants containing organic solvents or other dangerous substances

HP Code : HP5 - “Specific Target Organ Toxicity (STOT)/Aspiration Toxicity:” waste which can cause specific target organ toxicity either from a single or repeated exposure, or which cause acute toxic effects following aspiration.
HP6 - “Acute Toxicity:” waste which can cause acute toxic effects following oral or dermal administration, or inhalation exposure.
HP8 - “Corrosive:” waste which on application can cause skin corrosion.
HP11 - “Mutagenic:” waste which may cause a mutation, that is a permanent change in the amount or structure of the genetic material in a cell.
HP13 - “Sensitising:” waste which contains one or more substances known to cause sensitising effects to the skin or the respiratory organs.
HP14 - “Ecotoxic:” waste which presents or may present immediate or delayed risks for one or more sectors of the environment

SECTION 14: Transport information

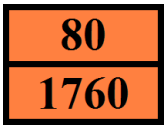
In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
14.1. UN number or ID number				
UN 1760	UN 1760	UN 1760	UN 1760	UN 1760
14.2. UN proper shipping name				
CORROSIVE LIQUID, N.O.S. (Phenol components in phenolic resion)	CORROSIVE LIQUID, N.O.S. (Phenol components in phenolic resion)	Corrosive liquid, n.o.s. (Phenol components in phenolic resion)	CORROSIVE LIQUID, N.O.S. (Phenol components in phenolic resion)	CORROSIVE LIQUID, N.O.S. (Phenol components in phenolic resion)
Transport document description				
UN 1760 CORROSIVE LIQUID, N.O.S. (Phenol components in phenolic resion), 8, III, (E)	UN 1760 CORROSIVE LIQUID, N.O.S. (Phenol components in phenolic resion), 8, III	UN 1760 Corrosive liquid, n.o.s. (Phenol components in phenolic resion), 8, III	UN 1760 CORROSIVE LIQUID, N.O.S. (Phenol components in phenolic resion), 8, III	UN 1760 CORROSIVE LIQUID, N.O.S. (Phenol components in phenolic resion), 8, III
14.3. Transport hazard class(es)				
8	8	8	8	8
				
14.4. Packing group				
III	III	III	III	III
14.5. Environmental hazards				
Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No EmS-No. (Fire): F-A EmS-No. (Spillage): S-B	Dangerous for the environment: No	Dangerous for the environment: No	Dangerous for the environment: No
No supplementary information available.				

14.6. Special precautions for user

Overland transport

Classification code (ADR) : C9
Special provisions (ADR) : 274
Limited quantities (ADR) : 5l
Excepted quantities (ADR) : E1
Packing instructions (ADR) : P001, IBC03, LP01, R001

Mixed packing provisions (ADR)	:	MP19
Portable tank and bulk container instructions (ADR)	:	T7
Portable tank and bulk container special provisions (ADR)	:	TP1, TP28
Tank code (ADR)	:	L4BN
Vehicle for tank carriage	:	AT
Transport category (ADR)	:	3
Special provisions for carriage - Packages (ADR)	:	V12
Hazard identification number (Kemler No.)	:	80
Orange plates	:	
Tunnel restriction code (ADR)	:	E
EAC code	:	2X

Transport by sea

Special provisions (IMDG)	:	223, 274
Limited quantities (IMDG)	:	5 L
Excepted quantities (IMDG)	:	E1
Packing instructions (IMDG)	:	P001, LP01
IBC packing instructions (IMDG)	:	IBC03
Tank instructions (IMDG)	:	T7
Tank special provisions (IMDG)	:	TP1, TP28
Stowage category (IMDG)	:	A
Stowage and handling (IMDG)	:	SW2
Properties and observations (IMDG)	:	Causes burns to skin, eyes and mucous membranes.

Air transport

PCA Excepted quantities (IATA)	:	E1
PCA Limited quantities (IATA)	:	Y841
PCA limited quantity max net quantity (IATA)	:	1L
PCA packing instructions (IATA)	:	852
PCA max net quantity (IATA)	:	5L
CAO packing instructions (IATA)	:	856
CAO max net quantity (IATA)	:	60L
Special provisions (IATA)	:	A3, A803
ERG code (IATA)	:	8L

Inland waterway transport

Classification code (ADN)	:	C9
Special provisions (ADN)	:	274
Limited quantities (ADN)	:	5 L
Excepted quantities (ADN)	:	E1
Carriage permitted (ADN)	:	T
Equipment required (ADN)	:	PP, EP
Number of blue cones/lights (ADN)	:	0

Rail transport

Classification code (RID)	:	C9
Special provisions (RID)	:	274
Limited quantities (RID)	:	5L
Excepted quantities (RID)	:	E1
Packing instructions (RID)	:	P001, IBC03, LP01, R001
Mixed packing provisions (RID)	:	MP19
Portable tank and bulk container instructions (RID)	:	T7
Portable tank and bulk container special provisions (RID)	:	TP1, TP28
Tank codes for RID tanks (RID)	:	L4BN
Transport category (RID)	:	3
Special provisions for carriage – Packages (RID)	:	W12
Colis express (express parcels) (RID)	:	CE8

Hazard identification number (RID) : 80

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)

EU restriction list (REACH Annex XVII)		
Reference code	**Applicable on**	**Entry title or description**
3(b)	Bijlard RS 80 Hars ; Ethanol ; methanol	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10
3(c)	Bijlard RS 80 Hars	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1
3(a)	Ethanol ; methanol	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F
69.	methanol	Methanol

REACH Annex XIV (Authorisation List)

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

REACH Candidate List (SVHC)

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

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)

Not listed on the Ozone Depletion list (Regulation EU 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

VOC Directive (2004/42)

Organic solvent : Yes

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 chemical safety assessment has been carried out for the substance or the mixture by the supplier

SECTION 16: Other information

Abbreviations and acronyms:	
ACGIH	American Conference of Governmental Industrial Hygienists
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)
CAS-No.	Chemical Abstracts Service number
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
COD	Chemical oxygen demand (COD)
CSA	Chemical safety assessment
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
ED	Endocrine disruptor
EN	European Standard
EWC	European waste catalogue
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
Log Kow	Partition coefficient n-octanol/water (Log Kow)
Log Pow	Partition coefficient n-octanol/water (Log Pow)
MAK	maximum workplace concentration
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
N.O.S.	Not Otherwise Specified
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
OSHA	Occupational Safety Health Administration
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
PPE	Personal protection equipment

Abbreviations and acronyms:	
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
TF	Technical function
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
TWA	Time Weighted Average
VOC	Volatile Organic Compounds
vPvB	Very Persistent and Very Bioaccumulative
UFI	Unique Formula Identifier
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006

Other information : DISCLAIMER OF LIABILITY The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

Full text of H- and EUH-statements:	
Acute Tox. 3 (Dermal)	Acute toxicity (dermal), Category 3
Acute Tox. 3 (Inhalation)	Acute toxicity (inhal.), Category 3
Acute Tox. 3 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment – Acute 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
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
Muta. 2	Germ cell mutagenicity, Category 2
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. 1B	Skin sensitisation, category 1B
STOT RE 2	Specific target organ toxicity – Repeated exposure, Category 2
STOT SE 1	Specific target organ toxicity – single exposure, Category 1
STOT SE 2	Specific target organ toxicity – Single exposure, Category 2

Full text of H- and EUH-statements:	
H225	Highly flammable liquid and vapour.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H311	Toxic 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.
H341	Suspected of causing genetic defects.
H370	Causes damage to organs.
H371	May cause damage to organs.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Full text of use descriptors	
PC1	Adhesives, sealants
SU0	Other

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:		
Met. Corr. Not classified		Expert judgement
Acute Tox. 4 (Oral)	H302	Calculation method
Acute Tox. 4 (Inhalation:dust,mist)	H332	Calculation method
Skin Corr. 1B	H314	Calculation method
Skin Sens. 1	H317	Calculation method
Muta. 2	H341	Calculation method
STOT SE 2	H371	Calculation method
STOT RE 2	H373	Calculation method
Aquatic Chronic 3	H412	Calculation method

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.