SAFETY DATA SHEET
ARBOKOL AG2 POURING GRADE BASE

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758

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

1.1. Product identifier

Product name ARBOKOL AG2 POURING GRADE BASE

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

Identified uses Base component of: A two-part sealant

Uses advised against Restricted to professional users. This product is not intended to be used by the general public.

1.3. Details of the supplier of the safety data sheet

Supplier

Adshead Ratcliffe & Co. Ltd.
Derby Road, Belper
Derbyshire.
DE56 1WJ
T: (+44) 01773 826661
F: (+44) 01773 821215
E: sds.carlisle@ccm-europe.com

1.4. Emergency telephone number

Emergency telephone NPIS (National Poisons Information Service): 0344 892 0111 (for medical professionals only). For medical advice, members of the public should contact NHS 111 in England: 111; NHS 24 in Scotland: 111; NHS Direct in Wales: 111 or 0845 4647. In Northern Ireland: contact your local GP or pharmacist.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Not Classified

Health hazards Not Classified

Environmental hazards Aquatic Chronic 3 - H412

2.2. Label elements

Hazard statements H412 Harmful to aquatic life with long lasting effects.

Precautionary statements P273 Avoid release to the environment.
P501 Dispose of contents/ container in accordance with national regulations.

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

ARBOKOL AG2 POURING GRADE BASE

Liquid polysulfide polymer. Mercaptan terminated liquid polymer of diethyleneoxymethane with Sx linkages. **25 - < 50%**

CAS number: 68611-50-7

Classification
Aquatic Chronic 3 - H412

1,2-Benzenedicarboxylic acid, benzyl isononyl alkyl esters **10 - 30%**

CAS number: 68515-40-2 EC number: 271-082-5 REACH registration number: 01-2119519234-46-XXXX

Classification
Not Classified

Titanium dioxide **3 - 7%**

CAS number: 13463-67-7 EC number: 236-675-5 REACH registration number: 01-2119489379-17-XXXX

Classification
Carc. 2 - H351

Xylene **< 1%**

CAS number: 1330-20-7 EC number: 215-535-7 REACH registration number: 01-2119488216-32-XXXX

Classification
Flam. Liq. 3 - H226
Acute Tox. 4 - H312
Acute Tox. 4 - H332
Skin Irrit. 2 - H315
Eye Irrit. 2 - H319
STOT SE 3 - H335
STOT RE 2 - H373
Asp. Tox. 1 - H304
Aquatic Chronic 3 - H412

Formaldehyde **< 0.1%**

CAS number: 50-00-0 EC number: 200-001-8

Classification
Acute Tox. 4 - H302
Acute Tox. 3 - H311
Acute Tox. 3 - H331
Skin Corr. 1B - H314
Eye Dam. 1 - H318
Skin Sens. 1 - H317
Muta. 2 - H341
Carc. 1B - H350
STOT SE 3 - H335

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Phenol		**< 0.1%**
CAS number: 108-95-2	EC number: 203-632-7	

Classification
Acute Tox. 3 - H301
Acute Tox. 3 - H311
Acute Tox. 3 - H331
Skin Corr. 1B - H314
Eye Dam. 1 - H318
Muta. 2 - H341
STOT RE 2 - H373
Aquatic Chronic 2 - H411

2,6-di-tert-butyl-p-cresol		**< 0.1%**
CAS number: 128-37-0	EC number: 204-881-4	REACH registration number: 01-2119565113-46-XXXX
M factor (Acute) = 1	M factor (Chronic) = 1	

Classification
Aquatic Acute 1 - H400
Aquatic Chronic 1 - H410

The full text for all hazard statements is displayed in Section 16.

Composition comments Polysulphide polymer with fillers, plasticiser and auxiliaries. This product contains > 1% of titanium dioxide but less than 1% of all particles have a diameter ≤ 10 µm therefore the classification Carc. 2; H351 does not apply.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information In all cases of doubt, or if symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

Inhalation Unlikely route of exposure. If inhalation causes adverse effects, remove to fresh air.

Ingestion Rinse mouth thoroughly with water. Give plenty of water to drink. Give milk instead of water if readily available. Get medical attention if any discomfort continues.

Skin contact Wipe off excess material with cloth or paper. Wash skin thoroughly with soap and water. If skin irritation or rash occurs: Get medical advice/attention.

Eye contact Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

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

Inhalation No specific symptoms known.

Ingestion May cause discomfort if swallowed.

Skin contact May cause irritation.

Eye contact May cause temporary eye irritation.

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

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Notes for the doctor Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Water spray, foam, dry powder or carbon dioxide.

Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards No unusual fire or explosion hazards noted.

Hazardous combustion products Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

5.3. Advice for firefighters

Protective actions during firefighting Avoid breathing fire gases or vapours. Keep up-wind to avoid fumes.

Special protective equipment for firefighters Wear self contained breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Provide adequate ventilation. Avoid contact with skin and eyes. Follow precautions for safe handling described in this safety data sheet. Wear protective clothing as described in Section 8 of this safety data sheet. Keep unnecessary and unprotected personnel away from the spillage.

6.2. Environmental precautions

Environmental precautions Avoid discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Collect and place in suitable waste disposal containers and seal securely.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8. See Section 11 for additional information on health hazards. For waste disposal, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Avoid contact with skin and eyes. Avoid spilling. Good personal hygiene procedures should be implemented. Avoid release to the environment. Contaminated work clothing should not be allowed out of the workplace. For personal protection, see Section 8.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a dry, cool and well-ventilated place.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

Usage description Gunnable sealant.

SECTION 8: Exposure controls/Personal protection

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8.1. Control parameters

Occupational exposure limits

1,2-Benzenedicarboxylic acid, benzyl isononyl alkyl esters

Similar phthalates (di-isooctyl phthalate, di-isononyl phthalate, di-isodecyl phthalate: Long-term exposure limit (8-hour TWA): WEL 5 mg/m3

Titanium dioxide

Long-term exposure limit (8-hour TWA): WEL 4 mg/m³ respirable dust
Long-term exposure limit (8-hour TWA): WEL 10 mg/m³ inhalable dust

Xylene

Long-term exposure limit (8-hour TWA): WEL 50 ppm 220 mg/m³
Short-term exposure limit (15-minute): WEL 100 ppm 441 mg/m³
Sk, BMGV

Formaldehyde

Long-term exposure limit (8-hour TWA): WEL 2 ppm 2.5 mg/m³
Short-term exposure limit (15-minute): WEL 2 ppm 2.5 mg/m³
Carc

Phenol

Long-term exposure limit (8-hour TWA): WEL 2 ppm 7.8 mg/m³
Short-term exposure limit (15-minute): WEL 4 ppm 16 mg/m³
Sk

2,6-di-tert-butyl-p-cresol

Long-term exposure limit (8-hour TWA): WEL 10 mg/m³

WEL = Workplace Exposure Limit.
Sk = Can be absorbed through the skin.
Carc = Capable of causing cancer and/or heritable genetic damage.
BMGV = Biological monitoring guidance value.

1,2-Benzenedicarboxylic acid, benzyl isononyl alkyl esters (CAS: 68515-40-2)

DNEL	Workers - Inhalation; Long term systemic effects: 1.32 mg/m³ Workers - Dermal; Long term systemic effects: 2.8 mg/kg/day

Xylene (CAS: 1330-20-7)

Biological limit values	Xylene, o-, m-, p- or mixed isomers: 650 mmol methyl hippuric acid/mol creatinine in urine. Post shift.
DNEL	Workers - Inhalation; Long term systemic effects: 221 mg/m³ Workers - Inhalation; Short term systemic effects: 442 mg/m³ Workers - Dermal; Long term systemic effects: 212 mg/kg/day
PNEC	- Fresh water; 0.327 mg/l - marine water; 0.327 mg/l - Intermittent release; 0.327 mg/l - STP; 6.58 mg/l - Sediment (Freshwater); 12.46 mg/kg - Sediment (Marinewater); 12.46 mg/kg - Soil; 2.31 mg/kg

Formaldehyde (CAS: 50-00-0)

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DNEL	Workers - Inhalation; Long term systemic effects: 9 mg/m³ Workers - Inhalation; Long term local effects: 0.375 mg/m³ Workers - Inhalation; Short term local effects: 0.75 mg/m³ Workers - Dermal; Long term systemic effects: 240 mg/kg/day Workers - Dermal; Long term local effects: 37 µg/cm²

Phenol (CAS: 108-95-2)

DNEL	Workers - Inhalation; Long term systemic effects: 8 mg/m³ Workers - Inhalation; Short term local effects: 16 mg/m³ Workers - Dermal; Long term systemic effects: 1.23 mg/kg/day
PNEC	Fresh water; 0.008 mg/l Fresh water, Intermittent release; 0.031 mg/l marine water; 0.001 mg/l STP; 2.1 mg/l Sediment (Freshwater); 0.091 mg/kg Sediment (Marinewater); 0.009 mg/kg Soil; 0.136 mg/kg

2,6-di-tert-butyl-p-cresol (CAS: 128-37-0)

DNEL	Workers - Inhalation; Long term systemic effects: 1.76 mg/m³ Workers - Dermal; Long term systemic effects: 0.5 mg/kg/day
PNEC	Fresh water; 0.199 µg/l Fresh water, Intermittent release; 1.99 µg/l marine water; 0.02 µg/l STP; 0.017 mg/l Sediment (Freshwater); 0.458 mg/kg/day Sediment (Marinewater); 0.046 mg/kg/day Soil; 0.054 mg/kg

8.2. Exposure controls

Protective equipment

Appropriate engineering controls	Provide adequate ventilation.
Eye/face protection	Chemical splash goggles. Personal protective equipment for eye and face protection should comply with European Standard EN166.
Hand protection	Wear protective gloves. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. To protect hands from chemicals, gloves should comply with European Standard EN374.
Hygiene measures	Do not smoke in work area. Wash at the end of each work shift and before eating, smoking and using the toilet.
Respiratory protection	Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit.

SECTION 9: Physical and chemical properties

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9.1. Information on basic physical and chemical properties

Appearance	Viscous liquid.
Colour	Off-white.
Odour	Mercaptan
Odour threshold	No information available.
pH	No information available.
Melting point	No information available.
Initial boiling point and range	No information available.
Flash point	No information available.
Evaporation rate	No information available.
Evaporation factor	No information available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	No information available.
Vapour pressure	No information available.
Vapour density	No information available.
Relative density	1.57 - 1.65 @ 20°C
Partition coefficient	No information available.
Auto-ignition temperature	No information available.
Decomposition Temperature	Liquid polysulphide polymer decomposes at temperatures above 150 C.
Viscosity	350 - 550 P @ 20°C
Explosive properties	Not considered to be explosive.

9.2. Other information

Other information None.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity See the other subsections of this section for further details.

10.2. Chemical stability

Stability Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Not applicable. Will not polymerise.

10.4. Conditions to avoid

Conditions to avoid Avoid excessive heat for prolonged periods of time.

10.5. Incompatible materials

Materials to avoid Strong acids. Strong alkalis. Strong oxidising agents.

10.6. Hazardous decomposition products

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Hazardous decomposition products	Fire creates: Toxic gases/vapours/fumes of: Carbon dioxide (CO2). Carbon monoxide (CO). Sulphurous gases (SOx). Hydrogen sulphide (H2S).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects	For this endpoint no toxicological data is available for the whole product.

Acute toxicity - oral

Notes (oral LD_{50})	Based on available data the classification criteria are not met.

Acute toxicity - dermal

Notes (dermal LD_{50})	Based on available data the classification criteria are not met.

Acute toxicity - inhalation

Notes (inhalation LC_{50})	Based on available data the classification criteria are not met.

Skin corrosion/irritation

Animal data	Based on available data the classification criteria are not met.

Serious eye damage/irritation

Serious eye damage/irritation	Based on available data the classification criteria are not met.

Respiratory sensitisation

Respiratory sensitisation	Based on available data the classification criteria are not met.

Skin sensitisation

Skin sensitisation	Based on available data the classification criteria are not met.

Germ cell mutagenicity

Summary	Based on available data the classification criteria are not met.
Genotoxicity - in vitro	Does not contain any substances known to be mutagenic.

Carcinogenicity

Carcinogenicity	Based on available data the classification criteria are not met.

Reproductive toxicity

Summary	Based on available data the classification criteria are not met.
Reproductive toxicity - fertility	Does not contain any substances known to be toxic to reproduction.

Specific target organ toxicity - single exposure

STOT - single exposure	Not classified as a specific target organ toxicant after a single exposure.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure	Not classified as a specific target organ toxicant after repeated exposure.

Aspiration hazard

Aspiration hazard	Not relevant, due to the form of the product.

Inhalation	No specific health hazards known.
Ingestion	May cause discomfort.
Skin contact	May cause irritation.
Eye contact	May cause temporary eye irritation.

Toxicological information on ingredients.

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Liquid polysulfide polymer. Mercaptan terminated liquid polymer of diethyleneoxymethane with Sx linkages.

Acute toxicity - oral

Notes (oral LD_{50}) LD_{50} >2000 mg/kg, Oral, Rat

Acute toxicity - dermal

Notes (dermal LD_{50}) LD_{50} >2000 mg/kg, Dermal, Rabbit

Xylene

Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg) 3,523.0

Species Rat

Acute toxicity - dermal

Acute toxicity dermal (LD_{50} mg/kg) 12,126.0

Species Rabbit

ATE dermal (mg/kg) 1,100.0

Acute toxicity - inhalation

Acute toxicity inhalation (LC_{50} vapours mg/l) 27.124

Species Rat

ATE inhalation (vapours mg/l) 11.0

Skin corrosion/irritation

Animal data Primary dermal irritation index: 3.0 Moderately irritating.

Serious eye damage/irritation

Serious eye damage/irritation Moderately irritating.

Respiratory sensitisation

Respiratory sensitisation No specific test data are available.

Specific target organ toxicity - single exposure

STOT - single exposure Respiratory irritation.

Specific target organ toxicity - repeated exposure

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

Aspiration hazard

Aspiration hazard May be fatal if swallowed and enters airways.

Formaldehyde

Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg) 460.0

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Species	Rat
Notes (oral LD_{50})	Toxic if swallowed.
ATE oral (mg/kg)	460.0

Acute toxicity - dermal

Notes (dermal LD_{50})	Toxic in contact with skin.
ATE dermal (mg/kg)	300.0

Acute toxicity - inhalation

Notes (inhalation LC_{50})	Toxic if inhaled.

Skin corrosion/irritation

Animal data	Causes severe burns. Rabbit

Serious eye damage/irritation

Serious eye damage/irritation	Causes serious eye damage. Rabbit

Skin sensitisation

Skin sensitisation	Local Lymph Node Assay (LLNA) - Mouse: Sensitising.

Germ cell mutagenicity

Summary	Suspected of causing genetic defects.

Carcinogenicity

Carcinogenicity	May cause cancer.
IARC carcinogenicity	IARC Group 1 Carcinogenic to humans.

Phenol

Acute toxicity - oral

Notes (oral LD_{50})	Toxic if swallowed.
ATE oral (mg/kg)	100.0

Acute toxicity - dermal

Notes (dermal LD_{50})	Toxic in contact with skin.
ATE dermal (mg/kg)	300.0

Acute toxicity - inhalation

Acute toxicity inhalation (LC_{50} dust/mist mg/l)	0.9
Species	Rat
Notes (inhalation LC_{50})	Toxic if inhaled.
ATE inhalation (dusts/mists mg/l)	0.9

Skin corrosion/irritation

Animal data	Causes severe burns. Rabbit

Serious eye damage/irritation

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Serious eye damage/irritation Causes serious eye damage. Rabbit

Germ cell mutagenicity

Summary Suspected of causing genetic defects.

Specific target organ toxicity - single exposure

STOT - single exposure May cause damage to organs (Kidneys, Liver, Nervous system, Skin) through prolonged or repeated exposure.

2,6-di-tert-butyl-p-cresol

Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg) 6,000.0

Species Rat

ATE oral (mg/kg) 6,000.0

Acute toxicity - dermal

Notes (dermal LD_{50}) LD_{50} >2000 mg/kg, Dermal, Rat

SECTION 12: Ecological information

Ecotoxicity The product contains a substance which is harmful to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

12.1. Toxicity

Toxicity There are no data for the product.

Acute aquatic toxicity

Summary Based on available data the classification criteria are not met.

Chronic aquatic toxicity

Summary Aquatic Chronic 3 Harmful to aquatic life with long lasting effects.

Ecological information on ingredients.

Liquid polysulfide polymer. Mercaptan terminated liquid polymer of diethyleneoxymethane with Sx linkages.

Acute aquatic toxicity

Acute toxicity - fish LC_{50}, 96 hours: 320 mg/l, Pimephales promelas (Fat-head Minnow)
LC_{50}, 96 hours: >1000 mg/l, Cyprinodon variegatus (Sheepshead minnow)

Acute toxicity - aquatic invertebrates EC_{50}, 48 hours: 32 mg/l, Daphnia magna
LC_{50}, 96 hours: 59 mg/l, Mysidopsis bahia (saltwater mysid)

Acute toxicity - aquatic plants EC_{50}, 72 hours: 17 mg/l, Selenastrum capricornutum

Xylene

Acute aquatic toxicity

Acute toxicity - fish LC_{50}, 96 hours: 2.6 - 11.23 mg/l, Fish

Acute toxicity - aquatic invertebrates IC_{50}, 24 hours: 1 mg/l, Daphnia magna
EC_{50}, 48 hours: 3.82 mg/l, Daphnia magna

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Acute toxicity - aquatic plants	EC_{80}, 72 hours: 2.2 mg/l, Selenastrum capricornutum

Chronic aquatic toxicity

Chronic toxicity - fish early life stage	NOEC, 56 days: > 1.3 mg/l, Oncorhynchus mykiss (Rainbow trout)
Chronic toxicity - aquatic invertebrates	NOEC, 7 days: 0.96 mg/l, Ceriodaphnia sp.

Formaldehyde

Acute aquatic toxicity

Acute toxicity - fish	LC_{50}, 96 hours: 6.18 mg/l, Striped bass (Morone saxatilis)
Acute toxicity - aquatic invertebrates	EC_{50}, 48 hours: 5.8 mg/l, Daphnia pulex
Acute toxicity - aquatic plants	EC_{50}, 72 hours: 5.67 mg/l, Desmodesmus subspicatus

Phenol

Acute aquatic toxicity

Acute toxicity - fish	LC_{50}, 96 hours: 8.9 mg/l, Oncorhynchus mykiss (Rainbow trout)
Acute toxicity - aquatic invertebrates	EC_{50}, 48 hours: 3.1 mg/l, Ceriodaphnia sp.

Chronic aquatic toxicity

Summary	Toxic to aquatic life with long lasting effects.
Chronic toxicity - aquatic invertebrates	NOEC, 60 days: 0.077 mg/l, Cirrhina mrigala

2,6-di-tert-butyl-p-cresol

Acute aquatic toxicity

$LE(C)_{50}$	0.1 < L(E)C50 ≤ 1
M factor (Acute)	1
Acute toxicity - fish	LC_{50}, 96 hours: 0.199 mg/l, QSAR
Acute toxicity - aquatic invertebrates	EC_{50}, 48 hours: 0.48 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC_{50}, 96 hours: 0.758 mg/l, QSAR

Chronic aquatic toxicity

M factor (Chronic)	1

12.2. Persistence and degradability

Persistence and degradability There are no data on the degradability of this product. Polysulphide polymer is poorly biodegradable.

Ecological information on ingredients.

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Liquid polysulfide polymer. Mercaptan terminated liquid polymer of diethyleneoxymethane with Sx linkages.

Persistence and degradability Not readily biodegradable.

Xylene

Biodegradation The substance is readily biodegradable.

Formaldehyde

Persistence and degradability Readily biodegradable

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

Partition coefficient No information available.

Ecological information on ingredients.

Liquid polysulfide polymer. Mercaptan terminated liquid polymer of diethyleneoxymethane with Sx linkages.

Bioaccumulative potential Bioaccumulation is unlikely.

Xylene

Bioaccumulative potential BCF: 25.9, Oncorhynchus mykiss (Rainbow trout)

Partition coefficient log Pow: 3.2

12.4. Mobility in soil

Mobility The product is insoluble in water.

Ecological information on ingredients.

Liquid polysulfide polymer. Mercaptan terminated liquid polymer of diethyleneoxymethane with Sx linkages.

Mobility Not considered mobile.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

Other adverse effects None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information When handling waste, the safety precautions applying to handling of the product should be considered. Confirm disposal procedures with environmental engineer and local regulations.

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. May be mixed with curing agent component to give an inert polymeric material.

Waste class HP14 Ecotoxic Recommended EWC Code 08 04 09*

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SECTION 14: Transport information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant
No.

14.6. Special precautions for user

Not applicable.

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

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

SECTION 15: Regulatory information

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

National regulations The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2019, UK SI 2019/720. The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2020, UK SI 2020/1567.
The REACH etc. (Amendment etc.) (EU Exit) Regulations 2019, UK SI 2019/758, UK SI 2019/858 and UK SI 2019/1144. The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020, UK SI 2020/1577.
The Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No. 2677) (as amended).
Health and Safety at Work etc. Act 1974 (as amended).
EH40/2005 Workplace exposure limits.

EU legislation 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 (as amended).
Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).

Guidance Workplace Exposure Limits EH40.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

ARBOKOL AG2 POURING GRADE BASE

SECTION 16: Other information

Abbreviations and acronyms used in the safety data sheet

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.
CAS: Chemical Abstracts Service.
cATpE: Converted Acute Toxicity Point Estimate.
DNEL: Derived No Effect Level.
EC_{50}: 50% of maximal Effective Concentration.
GHS: Globally Harmonized System.
IATA: International Air Transport Association.
IBC: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk (International Bulk Chemical Code).
ICAO: Technical Instructions for the Safe Transport of Dangerous Goods by Air.
IMDG: International Maritime Dangerous Goods.
Kow: Octanol-water partition coefficient.
LC_{50}: Lethal Concentration to 50 % of a test population.
LD_{50}: Lethal Dose to 50% of a test population (Median Lethal Dose).
LOAEC: Lowest Observed Adverse Effect Concentration.
LOAEL: Lowest Observed Adverse Effect Level.
MARPOL 73/78: International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978.
NOAEC: No Observed Adverse Effect Concentration.
NOAEL: No Observed Adverse Effect Level.
NOEC: No Observed Effect Concentration.
PBT: Persistent, Bioaccumulative and Toxic substance.
PNEC: Predicted No Effect Concentration.
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.
RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.
SVHC: Substances of Very High Concern.
vPvB: Very Persistent and Very Bioaccumulative.

Classification abbreviations and acronyms

Acute Tox. = Acute toxicity
Aquatic Acute = Hazardous to the aquatic environment (acute)
Aquatic Chronic = Hazardous to the aquatic environment (chronic)
Carc. = Carcinogenicity
Eye Dam. = Serious eye damage
Eye Irrit. = Eye irritation
Flam. Liq. = Flammable liquid
Muta. = Germ cell mutagenicity
Skin Corr. = Skin corrosion
Skin Irrit. = Skin irritation
Skin Sens. = Skin sensitisation
STOT RE = Specific target organ toxicity-repeated exposure
STOT SE = Specific target organ toxicity-single exposure

Key literature references and sources for data

SDS from supplier. Source: European Chemicals Agency, http://echa.europa.eu/

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Classification procedures according to Regulation (EC) 1272/2008	Aquatic Chronic 3 - H412: Calculation method.
Revision comments	Revised sections: 1, 2, 3, 4, 6, 7, 8. 9, 10, 11, 12, 13, 15, 16.
Revision date	07/03/2022
Revision	2
Supersedes date	15/05/2017
SDS number	10227
SDS status	Approved.
Hazard statements in full	H226 Flammable liquid and vapour. H301 Toxic if swallowed. H302 Harmful if swallowed. H304 May be fatal if swallowed and enters airways. H311 Toxic in contact with skin. 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. H331 Toxic if inhaled. H332 Harmful if inhaled. H335 May cause respiratory irritation. H341 Suspected of causing genetic defects. H350 May cause cancer. H351 Suspected of causing cancer by inhalation. 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.