

Aquaguard SPC



SECTION 1: IDENTIFICATION OF THE SUBSTANCE OR PREPARATION AND THE COMPANY

Product Name: **AQUAGUARD SPC**
 Company Name: Polycote UK
 Centre Point • Wolseley Road
 Woburn Road Industrial Estate
 Kempston • Beds MK42 7EF
 Telephone Number: 01234 846400

SECTION 2: HAZARDS IDENTIFICATION

Classification under CLP:
 Physical hazards: Flam. Liq. 3 – H226
 Health hazards: Acute Tox. 4 – H302; Acute Tox. 4 - H332; Skin Irrit. 2 – H315; Eye Irrit. 2 – H319; Lact. – H362; STOT SE 3 – H335; STOT RE 2 – H373
 Environmental hazards: Aquatic Chronic 3 – H412

Most important adverse effects: Vapours and spray/mists in high concentrations are narcotic. Symptoms following overexposure may include the following: Headache. Fatigue. Dizziness. Nausea, vomiting. Irritating to skin. Product has a defatting effect on skin. The product contains a substance which may cause long term adverse effects in the environment. Heating may generate flammable vapours. Vapours may form explosive mixtures with air.

Label elements:
 Signal words: Warning
 Hazard pictograms:

GHS02 Flame
 GHS07 Exclamation mark
 GHS08 Health hazard

Hazard statements: H373 May cause damage to organs through prolonged or repeated exposure.
 H315 Causes skin irritation.
 H362 May cause harm to breast-fed children.
 H319 Causes serious eye irritation.
 H226 Flammable liquid and vapour.
 H335 May cause respiratory irritation.
 H412 Harmful to aquatic life with long lasting effects.
 H302+H332 Harmful if swallowed or if inhaled.

Precautionary statements: P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P312 Call a POISON CENTER/doctor if you feel unwell.
 P501 Dispose of contents/container in accordance with national regulations.

Contains: XYLENE, CHLORINATED PARAFFIN

Supplementary precautionary statements: P201 Obtain special instructions before use.
 P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P240 Ground/bond container and receiving equipment.
 P241 Use explosion-proof electrical equipment.
 P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge.
 P260 Do not breathe vapour/spray.
 P261 Avoid breathing vapour/spray.
 P263 Avoid contact during pregnancy/while nursing.
 P264 Wash contaminated skin thoroughly after handling.
 P270 Do not eat, drink or smoke when using this product.
 P271 Use only outdoors or in a well-ventilated area.
 P273 Avoid release to the environment.
 P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
 P302+P352 IF ON SKIN: Wash with plenty of water.
 P308+P313 IF exposed or concerned: Get medical advice/attention.
 P314 Get medical advice/attention if you feel unwell.
 P321 Specific treatment (see medical advice on this label).
 P330 Rinse mouth.
 P332+P313 If skin irritation occurs: Get medical advice/attention.
 P337+P313 If eye irritation persists: Get medical advice/attention.
 P362+P364 Take off contaminated clothing and wash it before reuse.
 P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.
 P403+P235 Store in a well-ventilated place. Keep cool.
 P405 Store locked up.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients:

EC No.	CAS No.	CLP Classification	Percent
XYLENE			
215-535-7	1330-20-7	Flam. Liq. 3: H226; Acute Tox. 4: H302 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	10 - 30%
CHLORINATED PARAFFIN			
287-477-0	85535-85-9	M factor (Acute) = 1 Lact: H362; Aquatic Acute 1: H400; Aquatic Chronic 1: H410	1 - 5%
BUTYL ACETATE -norm			
204-658-1	123-86-4	Flam. Liq. 3: H226; STOT SE 3: H336; STOT SE 3: H336	1 - 5%
2-BUTOXYETHANOL			
203-905-0	111-76-2	Acute Tox. 4: H302; Acute Tox. 4: H312; Acute Tox. 4: H332; Skin Irrit. 2: H315; Eye Irrit. 2: H319	<1%

The Full Text for all Hazard Statements are Displayed in Section 16.

SECTION 4: FIRST AID MEASURES

General Information: Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.
 Inhalation: Remove affected person from source of contamination. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention if any discomfort continues.

SECTION 4: FIRST AID MEASURES – Cont.

Ingestion:	Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention. Show this Safety Data Sheet to the medical personnel.
Skin Contact:	Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention promptly if symptoms occur after washing.
Eye Contact:	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention.

SECTION 5: FIRE FIGHTING MEASURES

Extinguishing Media:	Fire can be extinguished using: Foam. Dry chemicals, sand, dolomite etc.
Specific hazards:	The product is flammable. Heating may generate flammable vapours. Thermal decomposition or combustion products may include the following substances: Toxic gases or vapours.
Protective actions:	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Cool containers exposed to flames with water until well after the fire is out.
Protective equipment:	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Wear protective clothing as described in Section 8 of this safety data sheet.
Environmental Precautions:	Avoid discharge into drains, water courses or onto the ground.
Spill Clean Up Methods:	Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Collect and place in suitable waste disposal containers and seal securely. For waste disposal, see Section 13. Absorb spillage with non-combustible, absorbent material. Avoid the spillage or runoff entering drains, sewers or watercourses.

SECTION 7: HANDLING AND STORAGE

Usage Precautions:	Keep away from heat, sparks and open flame. Avoid spilling. Avoid contact with skin and eyes. Provide adequate ventilation. Avoid inhalation of vapours. Use approved respirator if air contamination is above an acceptable level.
Storage Precautions:	Keep away from oxidising materials, heat and flames. Store in tightly closed original container in a dry, cool and well-ventilated place. Keep only in the original container.
Storage Class:	Flammable liquid storage.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION**Occupational exposure limits****XYLENE**

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

2-BUTOXYETHANOL

Long-term exposure limit (8-hour TWA): WEL 25 ppm(Sk)
Short-term exposure limit (15-minute): WEL 50 ppm(Sk)

WEL = Workplace Exposure Limit

Ingredient Comments: WEL = Workplace Exposure Limits

XYLENE (CAS: 1330-20-7)

DNEL Industry - Inhalation; Short term : 442 mg/m³
Industry - Inhalation; Long term local effects: 221 mg/kg/day
Industry - Dermal; Long term : 3182 mg/kg/day
Consumer - Inhalation; Short term : 260 mg/m³
Consumer - Inhalation; Long term : 65.3 mg/m³
Consumer - Dermal; : 1872 mg/kg/day
Consumer - Oral; Long term : 12.5 mg/kg/day

PNEC - Fresh water; 0.327 mg/l
- Marine water; 0.327 mg/l
- Sediment (Freshwater); 12.46 mg/kg
- Sediment (Marinewater); 12.46 mg/kg
- Soil; 2.31 mg/kg
- STP; 6.58 mg/l

CHLORINATED PARAFFIN (CAS: 85535-85-9)

DNEL Industry - Dermal; Long term systemic effects: 11.5 mg/kg/day
Industry - Inhalation; Long term systemic effects: 1.6 mg/m³
General population - Dermal; Long term systemic effects: 5.75 mg/kg/day
General population - Inhalation; Long term systemic effects: 0.4 mg/m³
General population - Oral; Long term systemic effects: 0.115 mg/kg/day

PNEC - Fresh water; 0.001 mg/l
- Marine water; 0.0002 mg/l
- STP; 80 mg/l
- Sediment (Freshwater); 13 mg/kg/day
- Sediment (Marinewater); 2.6 mg/kg/day
- Soil; 20 mg/kg/day

2-BUTOXYETHANOL (CAS: 111-76-2)

DNEL Workers - Dermal; Short term systemic effects: 89 mg/kg
Workers - Inhalation; Short term systemic effects: 135 ppm
Workers - Inhalation; Short term local effects: 50 ppm
Workers - Dermal; Long term systemic effects: 75 mg/kg
Workers - Inhalation; Long term systemic effects: 20 ppm
Consumer - Dermal; Short term systemic effects: 44.5 mg/kg
Consumer - Inhalation; Short term systemic effects: 426 mg/m³
Consumer - Oral; Short term systemic effects: 13.4 mg/kg
Consumer - Inhalation; Short term local effects: 123 mg/m³
Consumer - Inhalation; Long term systemic effects: 49 mg/m³
Consumer - Oral; Long term systemic effects: 3.2 mg/kg

PNEC - Fresh water; 8.8 mg/l
- Marine water; 0.88 mg/l
- STP; 463 mg/l
- Sediment (Freshwater); 34.6 mg/kg
- Sediment (Marinewater); 3.46 mg/kg
- Soil; 2.8 mg/kg

Protective Equipment: Protective Gloves, Safety Goggles

Engineering Measures: Provide adequate general and local exhaust ventilation.

Hand Protection: Use protective gloves.

Eye Protection: Chemical splash goggles.

Other Protection: Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact. Provide eyewash station.

Hygiene Measures: DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly with soap and water if skin becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

Respiratory Equipment: If ventilation is inadequate, suitable respiratory protection must be worn. Wear a respirator fitted with the following cartridge: Organic vapour filter.

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Polycote Aquaguard SPC Cont.**SECTION 9: PHYSICAL & CHEMICAL PROPERTIES**

Appearance:	Liquid
Odour:	Aromatic
Solubility:	Immiscible with water
Boiling Point (°C):	162-181 @ 760 mm Hg
Vapour Density (air=1):	>1
Viscosity:	500 – 800 mPas @ 25°C
Flammability Limit – Lower (%)	0.8
Relative Density	0.98–1.3 @ 20°C
Volatile by Vol (%)	65
Flash Point (°C)	36 CC (Closed cup)
Volatile Organic Compound (VOC)	<600 g/litre

SECTION 10: STABILITY AND REACTIVITY

Stability:	Stable under normal temperature conditions.
Conditions to avoid:	Avoid heat. Avoid contact with the following materials: Strong oxidising agents.
Haz. Decom. Products:	Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute toxicity - oral	
ATE oral (mg/kg)	1,805.31
Acute toxicity - dermal	
ATE dermal (mg/kg)	6,138.07
Acute toxicity - inhalation	
ATE inhalation (gases ppm)	18,053.15

Inhalation:	The product contains organic solvents. Overexposure may depress the central nervous system, causing dizziness and intoxication.
Ingestion:	Harmful: may cause lung damage if swallowed.
Skin Contact:	Product has a defatting effect on skin. Repeated exposure may cause skin dryness or cracking. May cause allergic contact eczema.
Eye Contact:	May cause severe irritation to eyes.
Target Organs:	Skin. Eyes. Respiratory system, lungs.

Toxicological information on ingredients.

XYLENE

Acute toxicity - oral			
Acute toxicity oral (LD ₅₀ mg/kg)	5,000.0	Species	Rat
ATE oral (mg/kg) 500.0			
Acute toxicity - dermal			
Acute toxicity dermal (LD ₅₀ mg/kg)	1,700.0	Species	Rabbit
ATE dermal (mg/kg) 1,700.0			
Acute toxicity - inhalation			
Acute toxicity inhalation (LC ₅₀ gases ppmV)	5,000.0	Species	Rat
ATE inhalation (gases ppm)			
CHLORINATED PARAFFIN			
Acute toxicity - oral			
Acute toxicity oral (LD ₅₀ mg/kg)	4,000.0	Species	Rat
ATE oral (mg/kg) 500.0			
Acute toxicity - dermal			
Acute toxicity dermal (LD ₅₀ mg/kg)	4,000.0	Species	Rat
ATE dermal (mg/kg) 1,700.0			
Acute toxicity - inhalation			
Acute toxicity inhalation (LC ₅₀ vapours mg/l)	48,170.0	Species	Rat
ATE inhalation (gases ppm)			

BUTYL ACETATE -norm

Acute toxicity - oral			
Acute toxicity oral (LD ₅₀ mg/kg)	10,760.0	Species	Rat
ATE oral (mg/kg) 10,760.0			
Acute toxicity - dermal			
Acute toxicity dermal (LD ₅₀ mg/kg)	14,112.0	Species	Rat
ATE dermal (mg/kg) 14,112.0			
Acute toxicity - inhalation			
Acute toxicity inhalation (LC ₅₀ vapours mg/l)	23.4	Species	Rat
ATE inhalation (vapours mg/l)	23.4		
Reproductive toxicity			
Reproductive toxicity - fertility	- NOAEC 3615 mg/m ³ , , Rat		
Reproductive toxicity - development	- LOAEC: 7230 mg/m ³ , , Rat		
Specific target organ toxicity - repeated exposure			
STOT - repeated exposure	NOAEC 500 ppmV/4hr/day, Inhalation, Rat		

2-BUTOXYETHANOL

Acute toxicity - oral			
Acute toxicity oral (LD ₅₀ mg/kg)	1,480	Species	Rat
ATE oral (mg/kg) 1,480			
Acute toxicity - inhalation			
Acute toxicity inhalation (LC ₅₀ vapours mg/l)	450	Species	Rat
ATE inhalation (vapours mg/l)	11.0		

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: The product contains substances which are toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

Ecological information on ingredients:

XYLENE

Acute toxicity - fish	LC ₈₀ , 96 hours: 4.2 mg/l, Onchorhynchus mykiss (Rainbow trout)
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: >2.93 mg/l, Daphnia magna
Chronic toxicity - fish early life stage	NOEC, hours: mg/l, Fish
Chronic toxicity - aquatic invertebrates	NOEC, 96 hours: 3.3 mg/l, Daphnia magna

CHLORINATED PARAFFIN

Acute aquatic toxicity

LE(C) ₅₀	0.1 < L(E)C ₅₀ ≤ 1
M factor (Acute)	1
Acute toxicity - fish	, : 5900 mg/l, Fish
Acute toxicity - aquatic invertebrates	NOEC, : 0.01 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC ₅₀ , 96 hours: 3.2 mg/l, Algae
Acute toxicity - terrestrial	NOEC, : 50 mg/l, Eisenia Fetida (Earthworm)

Chronic aquatic toxicity

NOEC	0.01 < NOEC ≤ 0.1
Degradability	Rapidly degradable

XYLENE

Acute toxicity - fish	LC ₈₀ , 96 hours: 18 mg/l, Pimephales promelas (Fat-head Minnow)
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: 44 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC ₅₀ , 72 hours: 647.7 mg/l, Desmodesmus subspicatus

2-BUTOXYETHANOL

Acute toxicity - fish	LC ₅₀ , 48 hours: 1395 mg/l, Leuciscus idus (Golden orfe)
Acute toxicity - aquatic invertebrates	LC ₈₀ , 24 hours: 1815 mg/l, Daphnia magna
Acute toxicity - aquatic plants	LC ₅₀ , 72 hours: 500 mg/l, Algae

Ecological information on ingredients

XYLENE

Persistence and degradability The product is biodegradable.

BUTYL ACETATE -norm

Biodegradation Air - Degradation 83: 28 days

XYLENE

Bioaccumulative potential The product contains potentially bioaccumulating substances.
Mobility The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces.

BUTYL ACETATE -norm

Surface tension 61.3 mN/m @ °C

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SECTION 13: DISPOSAL CONSIDERATIONS

General Information: Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority.

Disposal Methods: Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: TRANSPORT INFORMATION

UN Number 1263

Proper Shipping

Name: PAINT (Solvent Naphtha [Petroleum],
Light Aromatic, Low Boiling Point Naphtha)

UN No. Road:	1263	UK Road Pack GR.	III
ADR Class No:	3	ADR Class	Class 3: Flammable liquids
ADR Pack Group:	III	Tunnel Restrict. Code	(D/E)
Hazard No. (ADR)	30	ADR Label No.	3
Hazchem Code:	3YE	Cefic Tec(R) No.	30GF1-III, 30GF1-sp
RID Class No.	3	RID Pack Group	III
UN No. Sea:	1263	IMDG Class	3
IMDG Pack GR:	III	EMS	F-E, S-E
MFAG	See Guide	UN No. Air	1263
Air Class:	3	Air Pack GR	III

SECTION 15: REGULATORY INFORMATION

National regulations: The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).

EU legislation: 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.
Introduction to Local Exhaust Ventilation HS(G)37.
CHIP for everyone HSG228.

SECTION 16: OTHER INFORMATION

Hazard statements

in full: H226 Flammable liquid and vapour.
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H362 May cause harm to breast-fed children.
H373 May cause damage to organs through prolonged or repeated exposure.
H373 May cause damage to organs (Respiratory system, lungs) through prolonged or repeated exposure.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.

The Safety Data above is applicable to the product only as used according to the purposes and methods described on the relevant Technical Data Sheet, available from Polycote UK on request.

The information above is based on our present knowledge and is believed to be correct but does not purport to be all inclusive and should only be used as a guide. No warranty is implied with respect to the specification of the product. It is intended to describe the product solely in terms of its safety requirements and relates only to the specific material designed and may not be valid for such material used in combination with any other materials or in any process. This data does not constitute the users own assessment of workplace risk as required by other Health and Safety legislation, nor is it a sales specification or indication of suitability for any particular use. The user must satisfy himself as to the suitability of the product for his purpose. No legally valid contractual relationship is established by the above data, and Polycote UK shall not be held liable for any damage resulting from handling or from contact with the above product.

Date of Issue: June 2017

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