

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

1.1. Product identifier

Trade name : AQUALOK WB 8005

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

Relevant identified uses

Use of the substance/mixture : ADHESIVES

Uses advised against

Restrictions on use : For professional users only

1.3. Details of the supplier of the safety data sheet

Securmark Scandinavia AS
 Box 1881 Stoa,
 N-4858 Arendal,
 Norway
 Tel: +47 37 06 29 00
 E-mail: mail@securmark.no
 Internet: www.securmark.no

1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number	Comment
Norway	Giftinformasjonen HelseDirektoratet	P.O. Box 7000 St. Olavs Plass 0130 Oslo	+47 22 59 13 00	Ambulance: 113
Sweden	Giftinformationscentralen	Box 60 500 171 76 Stockholm	112	+46 8 33 12 31 (outside Sweden)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Repr. 1B H360D

Full text of hazard classes and H-statements : see section 16

Adverse physicochemical, human health and environmental effects

May damage the unborn child.

2.2. Label elements

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

Hazard pictograms (CLP) :



GHS08

Signal word (CLP) : Danger
 Hazardous ingredients : N-methyl-2-pyrrolidone
 Hazard statements (CLP) : H360D - May damage the unborn child
 Precautionary statements (CLP) : P202 - Do not handle until all safety precautions have been read and understood.
 P280 - Wear protective gloves/protective clothing/eye protection/face protection.
 P308+P313 - IF exposed or concerned: Get medical advice/attention.
 P405 - Store locked up.
 Extra phrases : For professional users only

2.3. Other hazards

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according to Regulation (EU) 2015/830

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

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Synthetic resin		30 - 60	Not classified
(2-Methoxymethylethoxy)-propanol substance with a Community workplace exposure limit	(CAS-No.) 34590-94-8 (EC-No.) 252-104-2 (REACH-no) 01-2119450011-60	< 10	Not classified
N-methyl-2-pyrrolidone substance listed as REACH Candidate (1-Methyl-2-pyrrolidone)	(CAS-No.) 872-50-4 (EC-No.) 212-828-1 (Index no) 606-021-00-7 (REACH-no) 01-2119472430-46	< 1	Repr. 1B, H360D Eye Irrit. 2, H319 STOT SE 3, H335 Skin Irrit. 2, H315
octhilonone (ISO); 2-octyl-2H-isothiazol-3-one	(CAS-No.) 26530-20-1 (EC-No.) 247-761-7 (Index no) 613-112-00-5	< 0,001	Acute Tox. 3 (Inhalation), H331 Acute Tox. 3 (Dermal), H311 Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2-methyl-2H-isothiazol-3-one	(CAS-No.) 2682-20-4 (EC-No.) 220-239-6	< 0,001	Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 STOT SE 3, H335 Aquatic Acute 1, H400

Specific concentration limits:

Name	Product identifier	Specific concentration limits
N-methyl-2-pyrrolidone	(CAS-No.) 872-50-4 (EC-No.) 212-828-1 (Index no) 606-021-00-7 (REACH-no) 01-2119472430-46	(C >= 10) STOT SE 3, H335
octhilonone (ISO); 2-octyl-2H-isothiazol-3-one	(CAS-No.) 26530-20-1 (EC-No.) 247-761-7 (Index no) 613-112-00-5	(C >= 0,05) Skin Sens. 1, H317

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: In case of doubt or persistent symptoms, consult always a physician. Emergency telephone number, see section 1.4.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Rinse with plenty of water and soap. Take off contaminated clothing. Obtain medical attention if irritation persists.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if pain, blinking or redness persists.
First-aid measures after ingestion	: Give water to drink. Do not induce vomiting. Get medical advice/attention if you feel unwell.

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

Symptoms/effects after inhalation	: Vapours inhalation: May cause slight irritation. Dizziness, headaches, nausea. In high concentrations : Inhalation from prolonged and continuous exposure may aggravate existing asthmatic or respiratory conditions.
Symptoms/effects after skin contact	: May cause slight irritation. Contains substances that can be absorbed through the skin.
Symptoms/effects after eye contact	: May cause slight irritation.
Symptoms/effects after ingestion	: May cause a light irritation of the linings of the mouth, throat, and gastrointestinal tract.
Chronic symptoms	: May damage the unborn child.

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

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according to Regulation (EU) 2015/830

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Use fire-extinguishing media appropriate for surrounding materials.
Unsuitable extinguishing media : Do not use straight streams.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Not classified as flammable.
Hazardous decomposition products in case of fire : May include: Carbon oxides (CO, CO₂). Nitrogen oxides. Sulphur oxides. Unspecified organic compounds.

5.3. Advice for firefighters

Precautionary measures fire : Use water stream to cool containers.
Protection during firefighting : Wear a self-contained breathing apparatus (SCBA) and appropriate personal protective equipment (PPE).

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Ventilate spillage area. Eliminate every possible source of ignition. Do not breathe vapour. Avoid contact with skin and eyes. Use personal protective equipment as required. Refer to section 8.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into inert absorbent material. Shovel into suitable and closed container for disposal.
Other information : Dispose of materials or solid residues at an authorized site. Refer to section 13.

6.4. Reference to other sections

For further information refer to section 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Do not expose pregnant or breastfeeding women.
Precautions for safe handling : Ensure good ventilation of the work station. Remove ignition sources. Do not breathe vapour. Avoid contact with skin and eyes. Wear personal protective equipment. Refer to section 8.
Hygiene measures : 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

Storage conditions : Store in a well-ventilated place. Keep container tightly closed. Keep cool. Keep only in original container.
Incompatible materials : Oxidation agents.
Heat and ignition sources : Keep away from sources of ignition.
Packaging materials : Metal.

7.3. Specific end use(s)

See section 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

(2-Methoxymethylethoxy)-propanol (34590-94-8)		
Sweden	Local name	Dipropylenglykolmonometyleter
Sweden	Occupational exposure limit (NVG) (mg/m ³)	300 mg/m ³
Sweden	Occupational exposure limit (NVG) (ppm)	50 ppm
Sweden	Short-term limit value (KTV) (mg/m ³)	450 mg/m ³
Sweden	Short-term limit value (KTV) (ppm)	75 ppm

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(2-Methoxymethylethoxy)-propanol (34590-94-8)		
Sweden	Comments (SE)	H (Can be absorbed through the skin), V (Indicative short-term limit value)
Norway	Local name	(2-metoksymetyletoksy)-propanol (Dipropylenglykolmetyleter)
Norway	Occupational exposure limit (mg/m ³)	300 mg/m ³
Norway	Occupational exposure limit (ppm)	50 ppm
Norway	Comments (NO)	H (Can be absorbed through the skin); E (EU has an indicative occupational exposure limit value)
N-methyl-2-pyrrolidone (872-50-4)		
Sweden	Local name	N-Metyl-2-pyrrolidon
Sweden	Occupational exposure limit (NVG) (mg/m ³)	40 mg/m ³
Sweden	Occupational exposure limit (NVG) (ppm)	10 ppm
Sweden	Short-term limit value (KTV) (mg/m ³)	80 mg/m ³
Sweden	Short-term limit value (KTV) (ppm)	20 ppm
Sweden	Comments (SE)	H (Can be absorbed through the skin), R (toxic to reproduction)
Norway	Local name	N-metyl-2-pyrrolidon
Norway	Occupational exposure limit (mg/m ³)	20 mg/m ³
Norway	Occupational exposure limit (ppm)	5 ppm
Norway	Occupational exposure limit (short-term limit value) (mg/m ³)	80 mg/m ³ S
Norway	Occupational exposure limit (short-term limit value) (ppm)	20 ppm S
Norway	Comments (NO)	H (Can be absorbed through the skin); R (toxic to reproduction); E (EU has an indicative occupational exposure limit value); S (Short-term value is a value for the average concentration of a chemical substance in the breathing zone of an employee not to be exceeded for a fixed reference period. The reference period is 15 minutes unless otherwise stated)

Reference : AFS 2015:7; Swedish Work Environment Authority's regulations on occupational exposure limit and general advice on the application of the regulations.

Reference : Regulations concerning Action and Limit Values, 06.12.2011 no. 1358 (Norwegian Labour Inspection Authority)

8.2. Exposure controls

Appropriate engineering controls:

Ensure good ventilation of the work station. Personal protective equipment must be chosen on the basis of the risk assessment. The supplier of the protective equipment can assist in the evaluation and choice of the equipment.

Hand protection:

Wear suitable gloves resistant to chemical penetration. Breakthrough time and glove thickness are not measured, but based on information about the individual substances in the mixture. Other conditions may reduce the breakthrough time.

Type	Material	Permeation	Thickness (mm)	Standard
---	Butyl rubber	6 (> 480 minutes)	0,7	EN 374

Eye protection:

Protective goggles. EN 166

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

If risk of inhalation of vapors/particulates, use respiratory protection with filter AK/P2. EN 14387

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Environmental exposure controls:

Avoid release to the environment.

Other information:

Safety shower and eye wash should be available.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: milky.
Odour	: Characteristic.
Odour threshold	: No data available
pH	: 8 - 10
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: 2,3 kPa
Relative vapour density at 20 °C	: 0,7 (Air = 1)
Relative density	: 1,03 - 1,14
Solubility	: Water : Soluble.
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: 3000 - 8000 mPa.s (20°C)
Explosive properties	: Not classified.
Oxidising properties	: Not classified as oxidizing.
Explosive limits	: No data available

9.2. Other information

VOC content : 75,18 g/l (55-80 vol%)

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

Heat and ignition sources.

10.5. Incompatible materials

Oxidizing agent.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. See also section 5.2.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

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

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

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

(2-Methoxymethylethoxy)-propanol (34590-94-8)	
LD50 oral rat	> 5130 mg/kg
LD50 dermal rat	> 19000 mg/kg

N-methyl-2-pyrrolidone (872-50-4)	
LD50 oral rat	3914 mg/kg
LD50 dermal rat	> 5000 mg/kg
LC50 inhalation rat (ppm)	8300 ppm/4h

octhilinone (ISO); 2-octyl-2H-isothiazol-3-one (26530-20-1)	
LD50 oral rat	550 mg/kg
LD50 dermal rabbit	690 mg/kg

Skin corrosion/irritation : Not classified (Based on available data, the classification criteria are not met)
pH: 8 - 10

Additional information : May cause slight irritation
Contains substances that can be absorbed through the skin.

Serious eye damage/irritation : Not classified (Based on available data, the classification criteria are not met)
pH: 8 - 10

Additional information : May cause slight irritation

Respiratory or skin sensitisation : Not classified (Based on available data, the classification criteria are not met)

Additional information : In case of inhalation of high concentrations :
Inhalation from prolonged and continuous exposure may aggravate existing asthmatic or respiratory conditions.

Germ cell mutagenicity : Not classified (Based on available data, the classification criteria are not met)

Carcinogenicity : Not classified (Based on available data, the classification criteria are not met)

Reproductive toxicity : May damage the unborn child.

STOT-single exposure : Not classified (Based on available data, the classification criteria are not met)

Additional information : May cause respiratory irritation.

STOT-repeated exposure : Not classified (Based on available data, the classification criteria are not met)

octhilinone (ISO); 2-octyl-2H-isothiazol-3-one (26530-20-1)	
NOEL	60 mg/kg bw/day

Aspiration hazard : Not classified (Based on available data, the classification criteria are not met)

Other information : Likely routes of exposure: inhalation, skin and eye. In case of repeated or prolonged exposure :
May accumulate in the human body.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment. Contains a substance that is very toxic to aquatic organisms.

Acute aquatic toxicity : Not classified

Chronic aquatic toxicity : Not classified

(2-Methoxymethylethoxy)-propanol (34590-94-8)	
LC50 fish	1307 mg/l
EC50 Daphnia	1930 mg/l
EC50 72h algae (1)	> 969 mg/l
NOEC, algae	mg/l (Hours)

N-methyl-2-pyrrolidone (872-50-4)	
LC50 fish	464 mg/l
EC50 Daphnia	≈ 4897 mg/l
EC50 72h algae (1)	> 500 mg/l
NOEC, daphnia	12,5 mg/l (504 Hours)

octhilinone (ISO); 2-octyl-2H-isothiazol-3-one (26530-20-1)	
EC50 Daphnia	0,18 mg/l
EC50 96h algae (1)	0,146 mg/l

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octhilinone (ISO); 2-octyl-2H-isothiazol-3-one (26530-20-1)	
NOEC, daphnia	mg/l (Hours)

2-methyl-2H-isothiazol-3-one (2682-20-4)	
EC50 Daphnia	0,18 mg/l
EC50 96h algae (1)	0,538 mg/l

12.2. Persistence and degradability

AQUALOK WB 8005	
Persistence and degradability	No available information on product.

12.3. Bioaccumulative potential

AQUALOK WB 8005	
Bioaccumulative potential	No bioaccumulation is to be expected.

(2-Methoxymethylethoxy)-propanol (34590-94-8)	
BCF	100

N-methyl-2-pyrrolidone (872-50-4)	
BCF	0,16

octhilinone (ISO); 2-octyl-2H-isothiazol-3-one (26530-20-1)	
Log Kow	2,561

2-methyl-2H-isothiazol-3-one (2682-20-4)	
Log Kow	-0,8767

12.4. Mobility in soil

AQUALOK WB 8005	
Ecology - soil	Low mobility (soil). Soluble in water.

(2-Methoxymethylethoxy)-propanol (34590-94-8)	
Log Koc	10

Ecology - soil	Low mobility (soil).
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N-methyl-2-pyrrolidone (872-50-4)	
Log Koc	20,94

Ecology - soil	Low mobility (soil).
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octhilinone (ISO); 2-octyl-2H-isothiazol-3-one (26530-20-1)	
Log Koc	2120

Ecology - soil	Low mobility (soil).
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2-methyl-2H-isothiazol-3-one (2682-20-4)	
Log Koc	27,88

Ecology - soil	Low mobility (soil).
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12.5. Results of PBT and vPvB assessment

AQUALOK WB 8005	
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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

Component	
(2-Methoxymethylethoxy)-propanol (34590-94-8)	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
N-methyl-2-pyrrolidone (872-50-4)	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. Other adverse effects

Additional information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Remove to an authorized waste treatment plant.

Additional information : The stated LoW code is indicative and must be considered in relation to the actual condition of the chemical. The final code must be determined by the user, based on the actual use of the chemical.

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European List of Waste (LoW) code : 08 04 09* - waste adhesives and sealants containing organic solvents or other dangerous substances
Hazardous Waste Group : 7051 Paint, glue, varnish, hazardous only

SECTION 14: Transport information

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

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

14.6. Special precautions for user

- Overland transport

Not regulated

- Transport by sea

Not regulated

- Air transport

Not regulated

- Inland waterway transport

Not regulated

- Rail transport

Not regulated

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

Not applicable

SECTION 15: Regulatory information

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

EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains a substance on the REACH candidate list in concentration $\geq 0.1\%$ or with a lower specific limit: 1-Methyl-2-pyrrolidone (EC 212-828-1, CAS 872-50-4)

Contains no REACH Annex XIV substances

VOC content : 75,18 g/l (55-80 vol%)

National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Abbreviations and acronyms:

BCF	Bioconcentration factor
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EC50	The effective concentration of substance that causes 50% of the maximum response.
LC50	Median lethal concentration
LD50	Median lethal dose
NOEC	No-Observed Effect Concentration
PBT	Persistent Bioaccumulative Toxic
vPvB	Very Persistent and Very Bioaccumulative

Data sources : Safety Data Sheet from the supplier/manufacturer. Prevent.

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 (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 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Repr. 1B	Reproductive toxicity, Category 1B
Skin Corr. 1B	Skin corrosion/irritation, Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
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.
H335	May cause respiratory irritation.
H360D	May damage the unborn child
H400	Very toxic to aquatic life.
H410	Very 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]:

Repr. 1B	H360D	Calculation method
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Other information : Compiled by SDS-Chemie, Bente Frogner.

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