

SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME	AQUASHIELD WOOD COATING
SUPPLIER	AquaShield SRL
LOCATION	5, Gheorghe Doja street, 410163, Oradea, Romania
INFO CONTACT	0040 729 278 276
INFO CONTACT	orders@aquashield.eu
EMERGENCY CONTACT	0040 773 964 655

SECTION 2. COMPOSITION, INFORMATION ON INGREDIENTS

Chemical characterization	Mixtures
Description	Preparation of modified hybrid materials in aqueous solution for dirt repellent coating
Dangerous components	Void
Additional information	For the wording of the listed risk phrases refer to section 16.

SECTION 3. HAZARD IDENTIFICATION

Classification of the substance or mixture	
Classification according to Regulation (EC) No 1272/2008	The product is not classified according to the CLP regulation.
Classification according to Directive 67/548/EEC or Directive 1999/45/EC	Not applicable.
Information concerning particular hazards for human and environment:	The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
Classification system	The classification is according to the latest editions of the EU-lists, and extended by company and literature data.
Label elements	
Labelling according to Regulation (EC) No 1272/2008	Void
Hazard pictograms	Void
Signal word	Void
Hazard statements	Void
Other hazards	
Results of PBT and vPvB assessment	
PBT	Not applicable.
vPvB	Not applicable.

SECTION 4. FIRST AID MEASURES

General information	No special measures required.
After inhalation	Supply fresh air; consult doctor in case of complaints.
After skin contact	Immediately rinse with water.
After eye contact	Rinse opened eye for several minutes (10-15) under running water. If symptoms persist, consult a doctor.
After swallowing	Rinse out mouth and then drink plenty of water. Do not induce vomiting; call for medical help immediately. A person vomiting while laying on their back should be turned onto their side. If Victim is vomiting, bring head in low position (increased Danger of aspiration / perforation)
Information for doctor	Most important symptoms and effects, both acute and delayed

No further relevant information available.

Indication of any immediate medical attention and special treatment needed.

No further relevant information available.

SECTION 5. FIRE FIGHTING MEASURES

Extinguishing media	
Suitable extinguishing agents	Use fire extinguishing methods suitable to surrounding conditions.
Special hazards arising from the substance or mixture	No further relevant information available.
Advice for firefighters	
Protective equipment	No special measures required.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Use respiratory protective device against the effects of fumes/dust/aerosol.
Environmental precautions	Do not allow product to reach sewage system or any water course. Do not allow to penetrate the ground/soil. Dilute with plenty of water.
Methods and material for containment and cleaning up	Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Send for recovery or disposal in suitable receptacles. Dispose contaminated material as waste according to item 13.
Reference to other sections	See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling

No special measures required.
Fire - and explosion protection

Prevent formation of aerosols.
The product is not flammable.

Storage

Requirements to be met by storerooms and receptacles. Store in a cool location.

Storage in one common storage facility

Only materials of the same storage class should be stored together.

Storing together with the following materials is forbidden

Medicaments, food and feeds including additives.
Infectious, radioactive and explosive materials.

Storing together with materials of other storage classes is permitted partially only under certain conditions. The material should not be together-stored with materials, where dangerous chemical reactions are possible.

See for this Chap. 10
Other storage conditions
Specific end use(s)

Stability and reactivity
Store receptacle in a well ventilated area.
No further relevant information available.

SECTION 8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Additional information about design of technical facilities: No further data; see item 7.

Control parameters

Ingredients with limit values that require monitoring at the workplace

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information

The lists valid during the making were used as basis.

Exposure controls

Personal protective equipment

The usual precautionary measures are to be adhered to when handling chemicals. Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing Wash hands before breaks and at the end of work. Do not inhale gases / fumes / aerosols. Avoid contact with the eyes and skin. Do not eat, drink, smoke or sniff while working.

Respiratory protection Use suitable respiratory protective device only when dust, steam, aerosol or mist is formed. In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Protection of hands

Protective gloves

To avoid skin problems reduce the wearing of gloves to the required minimum. Check protective gloves prior to each use for their proper condition. The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation Preventive skin protection by use of skin-protecting agents is recommended.

Material of gloves Butyl rubber, BR Nitrile rubber, NBR Plastic gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

Penetration time

> 480 min. (8h) EN 374. The numerical data are approximately values Increased Temperatures by warmed up substances, body warmth, etc. and a reduction of the layer strength by stretching can lead to a decrease of the break-through time.

With a 1,5 times bigger / smaller layer-thickness the break-through time halves / doubles itself. The determined penetration times according to EN 374 part III are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Not suitable are gloves made of the following materials

Leather gloves: Strong material gloves

Eye protection

Safety glasses

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Form

Fluid

Colour

slightly opaque, colorless

Odour

nearly odourless

pH-value at 20 °C

3.0 - 5.0 (50% in water)

Melting point/Melting range

Undetermined.

Boiling point/Boiling range

> 100 °C

Flash point	Not applicable.
Flammability (solid, gaseous)	Not applicable.
Ignition temperature	Not determined.
Decomposition temperature	Not determined.
Self-igniting	Product is not self-igniting.
Danger of explosion	Product does not present an explosion hazard.
Explosion limits	Lower/Not determined. Upper/Not determined.
Vapour pressure	Not determined.
Density at 20 °C	1.0 ± 0.03 g/cm ³
Relative density	Not determined.
Vapour density	Not determined.
Evaporation rate	Not determined.
Solubility with water	miscible (product precipitates after days)
Segregation coefficient (n-octanol/water)	Not determined.
Viscosity	Dynamic at 20 °C / 1 - 10 mPas
Kinematic	Not determined.
Other information	No further relevant information available.

SECTION 10. STABILITY AND REACTIVITY

Reactivity / Chemical stability	
Thermal decomposition / conditions to be avoided	No decomposition if used according to specifications.
Possibility of hazardous reactions	No dangerous reactions known.
Conditions to avoid	No further relevant information available.
Incompatible materials	No further relevant information available.
Hazardous decomposition products	Could be released in case of Fire / Carbon monoxide and carbondioxide

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity/Primary irritant effect:	
on the skin	No irritant effect.
on the eye	No irritating effect.
Sensitization	No sensitizing effects known.
Additional toxicological information	The product is not subject to classification according to the calculation method of the General EU. Classification Guidelines for Preparations as issued in the latest version. When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

SECTION 12. ECOLOGICAL INFORMATION

Toxicity/Aquatic toxicity	No further relevant information available.
Persistence and degradability	No further relevant information available.
Behaviour in environmental systems	Bioaccumulative potential No further relevant information available.
Mobility in soil	No further relevant information available.
Additional ecological information	
General notes	Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
Results of PBT and vPvB assessment	
PBT	Not applicable.
vPvB	Not applicable.
Other adverse effects	No further relevant information available.

SECTION 13. DISPOSAL CONSIDERATIONS

Waste treatment methods / Recommendation

Can be burned with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.

European waste catalogue	08 00 00 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS 08 04 00 wastes from MFSU of adhesives and sealants (including waterproofing products) 08 04 16 aqueous liquid waste containing adhesives or sealants other than those mentioned in 08 04 15
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Uncleaned packaging Recommendation	Disposal must be made according to official regulations.
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SECTION 14. TRANSPORT INFORMATION

The product is not classified as dangerous goods. Hazard warning not required for Air, Sea, or Road transport

14.1	Road transport:	No Restrictions	Hazard warning not required
14.2	Sea transport:	No Restrictions	Hazard warning not required
14.3	Air transport:	No Restrictions	Hazard warning not required

UN-Number	ADR, ADN, IMDG, IATA	Void
UN proper shipping name	ADR, ADN, IMDG, IATA	Void



IMDG, IATA	Class Void	Transport hazard class(es)	ADR, ADN,
Packing group	ADR, IMDG, IATA	Void	
Environmental hazards			
Marine pollutant	No		
Special precautions for user	Not applicable.		

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable.
UN "Model Regulation"

SECTION 15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture	
Labelling according to Regulation (EC) No 1272/2008	Void
Hazard pictograms	Void
Signal word	Void
Hazard statements	Void

National regulations

Other regulations, limitations and prohibitive regulations

National and local regulations concerning chemicals shall be observed.

Chemical Safety Assessment has not been carried out.

U.S. Regulations	US INVENTORY (TSCA): Listed on inventory.
Other Regulations	AUSTRALIAN INVENTORY (AICS): inventory. CANADA INVENTORY (DSL): Listed on inventory. CHINA INVENTORY (IECS): Listed on inventory. EC INVENTORY (EINECS/ELINCS): Listed on inventory. JAPAN INVENTORY (ENCS): Listed on inventory. KOREA INVENTORY (ECL): Listed on Australian Hazchem Code: No information found.

SECTION 16. OTHER INFORMATION: R-PHRASES AND S-PHRASES

R36:	Eye irritation
R38:	Skin irritation
R65:	Harmful: may cause lung damage if swallowed
R66:	Repeated exposure may cause skin dryness or cracking
(S2):	Keep out of the reach of children
S29:	Do not empty into drains

SECTION 17. DISCLAIMER

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.