


Material Safety Data Sheet

SECTION 1: Identification of the Product and of the Company	
1.1. Product identifier	
Product Name	: PU 510WB
Product Form	: Elastomeric one component polyurethane & fiber reinforced water-based compound
1.2. Relevant identified uses of the substance or mixture and uses advised against	
1.2.1. Relevant identified uses	
Industrial/Professional use spec	: For professional use only Industrial
Use of the substance/mixture	: New Generation, Low Solvent, Thixotropic, Polyurethane liquid membrane for waterproofing and protection
1.2.1. Relevant identified uses	
Flexible waterproofing membrane (with fibers)	
1.3. Details of the supplier of the safety data sheet	
ALCHIMICA 13, ORIZOMILON STR. - EGALEO 12244 ATHENS - GREECE T +30-210-5691336 - F +30-210-5619287 alchimica@alchimica.com - www.alchimica.com	
1.4. Emergency telephone number	
Emergency number	: 210-7793777

SECTION 2: Hazard identification	
2.1. Classification of the substance or mixture	
Classification according to Regulation (EC) No. 1272/2008 [CLP]	
Skin Sensitisation Cat. 1	
Full text of H statements : see section 16	
Adverse physicochemical, human health and environmental effects	
No additional information available	
2.2. Label elements	
Labelling according to Regulation (EC) No. 1272/2008 [CLP]	
Hazard pictograms (CLP)	: 
Signal word (CLP)	: Warning
Labelling of special preparations (GHS):	: The product contains the following components and may cause an allergic skin reaction: mixture of: 5- chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one, 3- (3,4-dichlorophenyl)-1,1-dimethylurea, Carbendazim (ISO) and 2-Octyl-2H-isothiazol-3- one. These substances may cause sensitization of the skin in particularly sensitive individuals. Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.
Hazard statements (CLP)	: H317 - May cause allergy skin reaction.
Precautionary statements (CLP)	: P101 - If medical advice is needed, have product container or label at hand P102 - Keep out of reach of children P261 - Avoid breathing dust/fume/gas/mist/spray/vapours P280 - Wear protective gloves, face protection P233 - Keep container tightly closed P271 - Use only outdoors or in a well-ventilated area P272 - Contaminated work clothing should not be allowed out of the workplace. P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation
Precautionary Statements (Response):	: P333 + P311 - If skin irritation or rash occurs: Call a POISON CENTER or doctor/physician. P303 + P352 IF ON SKIN (or hair) - Wash with plenty of soap and water. P362 + P364 - Take off contaminated clothing and wash it before reuse.
Other hazards which do not:	: P501 – Dispose of contents and container in accordance with all local regulations. No specific dangers known result in classification.

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SECTION 3: Composition/information on ingredients		
3.1. Substances		
According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 910.1200		
3.2. Mixtures		
CAS Number	Weight %	Chemical Name
55965-84-9	0 – 500 PPM	Mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one
330-54-1	0 – 1000 PPM	3-(3,4-dichlorophenyl)-1,1-dimethylurea
10605-21-7	0 – 1000 PPM	Carbendazim (ISO)
26530-20-1	0 – 500 PPM	2-Octyl-2H-isothiazol-3-one

The product contains:

CAS Number	Weight %	Chemical Name
Trade Secret	1-10%	One component Polyurethane Liquid
Trade Secret	30.0 – 50.0%	Acrylic Co-polymer
Trade Secret	> 20.0%	Filler / Extender
7732-18.5	> 20.0%	Water

Composition comments: There are no other ingredients present which, within the current knowledge of the supplier and in the concentration applicable, are classified as hazardous to health or environment. Occupational exposure limits, if available, are listed in Section 8

SECTION 4: First aid measures	
4.1. Description of first aid measures	
First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
First-aid measures after skin contact	: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
First-aid measures after eye contact	: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention
4.2. Most important symptoms and effects, both acute and delayed	
First-aid measures general	: This product is considered to be a low hazard under normal conditions of use
First-aid measures after inhalation	: No specific symptoms known
First-aid measures after skin contact	: May cause sensitization or allergic reactions in sensitive Individuals.
First-aid measures after eye contact	: May cause temporary eye irritation
First-aid measures after ingestion	: No specific symptoms known
4.3. Indication of any immediate medical attention and special treatment needed	
Notes for the Doctor	: Treat symptomatically.
Specific treatment	: No specific treatment.

SECTION 5: Firefighting measures	
5.1. Extinguishing media	
Suitable extinguishing media	: This product is not flammable.
Unsuitable extinguishing media	: None known
5.2. Special hazards arising from the substance or mixture	
No additional information available	
5.3. Advice for firefighters	
Firefighting instructions	: No special precautions required. The product, as distributed, is non-combustible.
Protection during firefighting	: Water chemical protective suit.

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SECTION 6: Accidental release measure	
6.1. Personal precautions, protective equipment and emergency procedures	
6.1.1. For non-emergency personnel	
Emergency procedures	: Evacuate unnecessary personnel.
6.1.2. For emergency responders	
Protective equipment	: Equip clean-up crew with proper protection.
Emergency procedures	: Ventilate area.
6.2. Environmental precautions	
Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.	
6.3. Methods and material for containment and cleaning up	
Methods for cleaning up	: Contain and absorb spillage with sand, earth or other non-combustible material. Collect and place in suitable waste disposal containers and seal securely. Store away from other materials.
6.4. Reference to other sections	
See Heading 8. Exposure controls and personal protection.	

SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Precautions for safe handling	: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid breathing spray, fume, vapours.
7.2. Conditions for safe storage, including any incompatibilities	
Storage conditions	: Keep only in the original container in a cool, well ventilated place away from: Heat sources. Keep container closed when not in use.
Incompatible products	: Strong bases. Strong acids. water, amines and alcohol's.
Incompatible materials	: Sources of ignition. Direct sunlight.
7.3. Specific end use(s)	
The identified uses for this product are detailed in Section 1.2	

SECTION 8: Exposure controls/personal protection	
8.1. Control parameters	
No additional information available	
8.2. Exposure controls	
Personal protective equipment:	 
Appropriate engineering controls	Use general ventilation to maintain good air condition in the controls workplace.
Personal protection	Avoid all unnecessary exposure.
Hand protection:	Wear protective gloves
Other skin and body protection	No specific requirements are anticipated under normal conditions of use
Hygiene measures	Provide eyes station and safety showers. No specific hygiene procedures recommended, but good personal hygiene practices should always be observed when working with chemical products.
Respiratory protection:	No specific recommendations
Thermal Hazards	None

SECTION 9: Physical and chemical properties	
9.1. Information on basic physical and chemical properties	
Physical state	: Liquid (soft paste)
Appearance	: Viscous liquid.
Colour	: Grey
Odour	: characteristic
Solubility	: Dilutable in water
pH	: Not applicable
Evaporation rate	: 1 [Butyl acetate=1]
Melting point	: Melting point
Freezing point	: No data available
Boiling point	: Approximately 100 ° C [760mmHg]
Decomposition temperature	: No data available
Vapour pressure	: No data available

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Relative vapour density at 20 °C	:	17.5mmHg
Relative density	:	No data available
Vapour Density	:	Approximately 1.0
Flash point	:	Not applicable – aqueous system
Auto-ignition temperature	:	Not applicable – aqueous system
Flammability (solid, gas)	:	Not applicable, Non-flammable
Specific Gravity	:	1.28 +/- 0.03
Log Pow	:	No data available
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	No data available
Explosive properties	:	No data available
Oxidising properties	:	No data available
Explosive limits	:	No data available
9.2. Other information		
No additional information available		

SECTION 10: Stability and reactivity

10.1. Reactivity

There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stable under recommended handling and storage conditions (see section 7).

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Avoid freezing. Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases. water, amines and alcohol's.

10.6. Hazardous decomposition products

Does not decompose when used and stored as recommended.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	:	Not classified
Skin corrosion/irritation	:	Not classified pH: Not applicable
Additional information	:	Based on available data, the classification criteria are not met
Serious eye damage/irritation	:	Not classified pH: Not applicable
Additional information	:	Based on available data, the classification criteria are not met
Respiratory or skin sensitisation	:	Based on the available data a Respiratory sensitization reaction is not expected from this product. May cause sensitization by skin contact
Germ cell mutagenicity	:	Not classified Based on available data, a significant mutagenic potential may be excluded.
Carcinogenicity	:	Not classified
Additional information	:	Based on available data, the classification criteria are not met
Reproductive toxicity	:	Not classified
Additional information	:	Based on available data, the classification criteria are not met
STOT-single exposure	:	Not classified
Additional information	:	Based on available data, the classification criteria are not met
STOT-repeated exposure	:	Not classified
Additional information	:	Based on available data, the classification criteria are not met
Aspiration hazard	:	Not classified
Additional information	:	Based on available data, the classification criteria are not met
Potential adverse human health effects and symptoms	:	Based on available data, the classification criteria are not met.

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SECTION 12: Ecological information	
12.1. Toxicity	
According to current knowledge, adverse effects on water purification plants are not expected.	
Acute toxicity –terrestrial	Not determined
Chronic toxicity –fish early	Not determined
Short term toxicity –embryo and sac fry stage	Not determined
Chronic toxicity – aquatic	Not determined
Chronic toxicity –fish early life stage	Not determined
12.2. Persistence and degradability	
Persistence and degradability	No available data.
Phototransformation	Not determined
Stability (hydrolysis)	Not determined
Biodegradation	Not readily biodegradable.
Biological oxygen demand	No available data.
Chemical oxygen demand	No available data.
12.3. Bioaccumulative potential	
Bioaccumulative potential	No available data.
12.4. Mobility in soil	
No additional information available	
12.5. Results of PBT and vPvB assessment	
No additional information available	
12.6. Other adverse effects	
Additional information	: Avoid release to the environment

SECTION 13: Disposal considerations	
13.1. Waste treatment methods	
Product/Packaging disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to a hazardous or special waste collection point.
Ecology - waste materials	: Avoid release to the environment.

SECTION 14: Transport information	
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. T.D.G Classification	
Not applicable	
14.3. Transport hazard class(es)	
Not applicable	
14.4. Packing group	
Not applicable	
14.5. Environmental hazards	
Dangerous for the environment	: No
Marine pollutant	: No
Other information	: No supplementary information available
14.6. Special shipping instructions	
Not applicable	
[This product is classified as non-hazardous materials to transport]	

SECTION 15: Regulatory information	
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture	
15.1.1. EU-Regulations	
Contains no REACH substances with Annex XVII restrictions	
Contains no substance on the REACH candidate list	
Contains no REACH Annex XIV substances	
15.1.2. National regulations	
1.Occupational Safety and Health (Classification, Labelling and Safety Data Sheet of Hazardous Chemicals) Regulation 2013	
2.Occupational Safety and Health (Use and Standard Exposure of Chemicals Hazardous to Health) Regulations 2000.	
15.2. Chemical safety assessment	
No chemical safety assessment has been carried out	

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SECTION 16: Other information	
Data sources	: 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, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
Other information	: None.
Full text of H- and EUH-statements:	
Acute Tox. 2 (Inhalation)	Acute toxicity (inhal.), Category 2
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Asp. Tox. 1	Aspiration hazard, Category 1
Carc. 2	Carcinogenicity, Category 2
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Resp. Sens. 1	Sensitisation — Respiratory, Category 1
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Sensitisation — Skin, Category 1
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H226	Sensitisation — Skin, Category 1
H304	May be fatal if swallowed and enters airways
H312	Harmful in contact with skin
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H330	Fatal if inhaled
H332	Harmful if inhaled
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled
H335	May cause respiratory irritation
H351	Suspected of causing cancer
H373	May cause damage to organs through prolonged or repeated exposure
H412	Harmful to aquatic life with long lasting effects
EUH204	Contains isocyanates. May produce an allergic reaction

MSDS version Number :1.0

MSDS effective date: 10.09.2021

This information given applies only to our product and may not be valid for such material used in combination with other products. Such information is to the best of our knowledge which we believe to be reliable, but the accuracy or completeness thereof is not guaranteed and no warranty of any kind is made with respect thereto.

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