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

1.1. Product identifier

Product form : Mixture

Trade name : WOOD HYDROSHIELD SL-xxx

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

1.2.1. Relevant identified uses

Intended for professional and general public.

Main use category: Consumer and professional use

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

ARIOMAT
Klein Frankrijkstraat 43
9600 Ronse - Belgium
T +32 55 230 600
info@sobeltec.be

1.4. Emergency telephone number

No additional information available

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]Mixtures/Substances: SDS EU 2015: According to Regulation (EU) 2015/830 (REACH Annex II)

The product is not classified as dangerous according to Regulation EC 1272/2008

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

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

Precautionary statements (CLP) : None

EUH-statements : EUH210 Safety data sheet available on request.
EUH208 Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.

2.3. Other hazards

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 Cas nr / EG nr / REACH nr	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
DIPROPYLENEGLYCOLBUTYLETHER stof waarvoor binnen de Gemeenschap een blootstellingsgrens op de werkvloer geldt	29911-28-2 249-951-5 01-2119451543-42	< 3	Not classified (GHS)
Titanium dioxide	13463-67-7 236-675-5 01-2119489379-17	< 5 %	-

This mixture does not contain any substances to be mentioned according to the criteria of section 3.2 of REACH annex II

4.1. Description of first aid measures

SECTION 4: First aid measures

First-aid measures general : If medical advice is needed, have product container or label at hand.

First-aid measures after inhalation : under the recommended handling conditions: not required.

First-aid measures after skin contact : IF ON SKIN: Wash with plenty of soap and water.

First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Take victim to an ophtalmologist if irritation persists.

First-aid measures after ingestion : In all cases of doubt, or when symptoms persist, seek medical attention.

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

Symptoms/effects	: If you feel unwell, seek medical advice.
Symptoms/effects after inhalation	: None under normal use.
Symptoms/effects after skin contact	: None under normal use.
Symptoms/effects after eye contact	: None under normal use
Symptoms/effects after ingestion	: May cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : hazy water, carbon dioxide (CO2), foam and powder.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

Precautionary measures fire	: Evacuate area.
Firefighting instructions	: Prevent fire fighting water from entering the environment.
Protection during firefighting	: Self-contained breathing apparatus.
Other information	: Exercise caution when fighting any chemical fire.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Do not get in eyes, on skin, or on clothing. Notify police and fire brigade as soon as possible.

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Collect spillage.

6.3. Methods and material for containment and cleaning up

For containment	: Collect spillage.
Methods for cleaning up	: This material and its container must be disposed of in a safe way, and as per local legislation.
Other information	: Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

No additional information available

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep container tightly closed.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

DNELs

Dipropyleneglycolbutylether :
Employee, long term- systemic effects, inhalation: 10 mg/m³
Employee, long term- systemic effects, dermal : 3 mg/kg
Consumer, long term- systemic effects, inhalation : 1,2 mg/m³
Consumer, long term- systemic effects, dermaal : 1,1 mg/kg
Consumer, long term- systemic effects, oraal : 7,5 mg/kg

PNECs

Dipropyleneglycolbutylether :
Freshwater: 0,519 mg/l
Seewater : 0,0519 mg/l
Freshwater deposition : 2,96 mg/kg
Seewater deposition: 0,296 mg/l
Soil : 0,287 mg/l

Limits of exposure on appeal

Titanium dioxide (13463-67-7)		
BE OEL	TGG 8 hr	10 mg/m³

Derived no-effect doses (DNEL) in accordance with Regulation (EC) No 1907/2006:

Titanium dioxide (13463-67-7)			
Enduser	Route of exposure	Possible health conditions	Value
Workers and consumers	Oral	Long term - systemic effects	700 mg/kg lg/day

Voorspelde concentratie zonder effect (PNEC) overeenkomstig Verordening (EG) Nummer 1907/2006:
Remarks : Rating factors :

Titane dioxide (13463-67-7)	
Environment	Value
Seewater	0,0184 mg/l
Freshwater deposition	1000 mg/kg
Freshwater	0,184 mg/l
See deposition	100 mg/kg
Soil	100 mg/kg
Sewage treatment plant	100 mg/l
Freshwater - intermittent	0,193 mg/l

8.2. Exposure controls

Appropriate engineering controls:

Respiratory protection : Use respiratory protection where ventilation is insufficient or exposure is prolonged, e.g. (ref. EN 136, EN 140, EN 141, EN 143, EN 149, EN 405).

Personal protective equipment:

Hand protection: Gloves

Eye protection: Safety glasses

Personal protective equipment symbol(s):

Environmental exposure controls:

Avoid release to the environment.

Other information:

Do not eat, drink or smoke when using this product.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Depending on colour code in product name.
Odour	: Typical
Odour threshold	: No data available
pH	: ca. 7
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: ca. 0 °C
Freezing point	: ca. 0 °C
Boiling point	: 97 °C
Flash point	: > 150 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available

Relative density	: No data available	
Density	: ≈ 1,05 kg/l	
Solubility	: miscible in water	
Log Pow	: No data available	
Viscosity, kinematic	: No data available	
Viscosity, dynamic	: <. 1200 mPa.s	(Brookfield: RPM 20)
Explosive properties	: No data available	
Oxidising properties	: No data available	
Explosive limits	: No data available	

9.2. Other information

VOC content : ca. 3 %

SECTION 10: Stability and reactivity

10.1. Reactivity

Keep away from oxidising agents and strongly alkaline and strongly acidic materials to prevent the possibility of exothermic reaction. Stable in use and storage conditions as recommended in item 7.

10.2. Chemical stability

No additional information available

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

No additional information available

10.5. Incompatible materials

bases. Acids. oxidizing agents.

10.6. Hazardous decomposition products

Stable under normal conditions. The product may release in the conditions of use, residual amounts of dangerous substances such as amines (trietilammine, 2-dimethylaminoetanol). It is recommended to limit exposure using personal and collective protective equipment.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

Dipropyleneglycolbutylether

Acute toxicity

- Inhalation:	Based on acute toxicity : not classified LC50 (Rat, inhalation, 4 u) : >5,4 mg/l (Aerosol; OESO- Directive 403)
- Contact with skin :	Based on acute toxicity : not classified LD50 (Rat, dermal) : >2000 mg/kg (OESO Directive 402)
- Ingestion :	Based on acute toxicity : not classified LD50 (Rat, oral) : 3160 mg/kg (OESO-Directive 401)
Skin corrosion/irritation:	Not classified. Herhaald of langdurig huidcontact kan lichte irritatie veroorzaken.
Serious eye damage/eye irritation:	Not classified. May cause slight corneal injury and/or eye irritation.
Hazard by inhalation :	No classification for toxicity by aspiration.
Respiratory / skin sensitisation :	Not sensitising.
Carcinogenic effect :	Not classified as carcinogenic.
Mutagenic effects :	Not classified as mutagenic.
Reproductive toxicity :	Not classified for reprotoxicity.
Specific target organ toxicity - single exposure:	Humans : Not classified for organ toxicity. Animals : No effects known.
Specific target organ toxicity - repeated exposure :	Humans : Not classified for organ toxicity. Animal : No effects known.

STOT for single exposure : Not classified.

STOT on repeated exposure : Not classified

Titanium dioxide (13463-67-7)

Acute toxicity

Acute oral toxicity:	LD50 (Rat, female): > 5 000 mg/kg Method: Guideline test OECD 425 Assessment: The substance or mixture does not present acute oral toxicity
Acute inhalation toxicity:	LC50 (Rat, male): > 6.82 mg/l Exposure time: 4 h Test atmosphere: dust/mist Assessment: The substance or mixture does not present acute toxicity by inhalation
Acute dermal toxicity product	Acute toxicity estimates: > 2 000 mg/kg Method: Calculation method
Acute toxicity (other mode of administration)	No data available
Skin corrosion/irritation:	Species: Rabbit Assessment: No skin irritation Method: Guideline test OECD 404 Result: Normal repairable injuries
Serious eye damage/eye irritation:	Species: Rabbit Assessment: No eye irritation Method: Guideline test OECD 405 Result: Injuries normally recoverable
Respiratory tract/skin sensitisation	Route of exposure: Skin Species: Mouse Assessment: Does not cause hypersensitivity of the skin. Method: Guideline test OECD 429 Result: Does not cause sensitisation of the skin. Route of exposure: Skin Species: Guinea pig Assessment: Does not cause sensitisation of the skin. Methods: Guideline test OECD 406 Result: Does not cause skin sensitisation.
Mutagenicity in germ cells:	
Genotoxicity in vitro :	Test type: Ames test Concentration: 100 - 200 µg/plate Metabolic activation: With and without metabolic activation Method: Guideline test OECD 471 Result: Negative Test type: Test for mutations of mammalian cell genes in vitro Concentration: 31 - 500 µg/L Metabolic activation: with and without metabolic activation Method: Guideline test OECD 476 Result: Negative Test type: In vitro test for chromosomal aberrations Concentration: 125 - 2500 µg/L Metabolic Activation: With and without Metabolic Activation Method: Guideline test OECD 473 Result: Negative
Genotoxicity in vivo :	Test type: Micro-core test Study species: Mouse (male) Method of application Inhalation Exposure time: 5 consecutive days Dose: 0.8, 7.2, and 28.5 mg/m³ Method: Guideline test OECD 474 Result: Negative Test type: Micro-core test

	Test species: Rat (male and female)
	Method of application: Oral
	Exposure time: Once
	Dose: 500, 1000, and 2000 mg/kg bw
	Method: Guideline test OECD 474
	Result: Negative
Germ cell mutagenicity-Assessment :	No mutagenic effects have been observed in tests with bacterial or mammalian cell cultures., No mutagenic effects have been observed in animal tests.
Germ cell mutagenicity-Assessment :	No data available
Carcinogenicity :	Species: Rat, male and female
	Method of application Oral
	Exposure time: 103 weeks
	Dose: 0, 25000, 50000 ppm
	Treatment frequency: 7 days/week
	Dose at which no adverse effect is observed: > 50,000 ppm
	Method: No data available.
	Remarks: Based on the results from chronic inhalation studies (only with positive results in a single rat species), IARC concluded that: "there is insufficient evidence in humans for the carcinogenicity of titanium dioxide". but that: "There is sufficient evidence in experimental animals for the carcinogenicity of titanium dioxide. IARC's overall assessment was that "titanium dioxide is possibly carcinogenic in humans (Group 2B)."
	Ariomat reviewed all available animal carcinogenicity and mechanistic data together with epidemiological data on titanium dioxide in the workplace and concludes that it is scientifically proven that there is no causal relationship between exposure to titanium dioxide and the risk of cancer in humans and that workplace exposure in accordance with applicable exposure standards does not cause lung cancer or chronic respiratory disease in humans.
Carcinogenicity - Assessment	Not classifiable as human carcinogen.
Reproductive toxicity	
Effects on fertility	No data available
Effects on foetal development	Species Rat, male and female
	Method of application Oral
	Dose: 100, 300, and 1000 mg/kg bw/
	Duration of a single treatment: 20 d
	Treatment frequency: 7 days/week
	General maternal toxicity: No observed adverse dose: 1 000 mg/kg body weight
	Developmental toxicity: Dose not entailing a harmful effect: 1 000 mg/kg body weight
	Method: Guideline test OECD 414
	Result: No side effects.
Reproductive toxicity - Assessment	Based on animal testing, no evidence of adverse effects on sexual function and fertility or on development was found.
STOT on single exposure: Not classified	
STOT-repeated exposure: Not classified	
Repeated dose toxicity Species:	Rat, male and female
	: 3500
	Method of application Ingestion
	Test atmosphere: dust/mist
	Exposure time: 2 yrNumber of exposures: 5 d
	Method: Chronic toxicity
	Species: Rat, male and female
	: 10 - 50
	Method of application: Inhalation
	Exposure time: 2 yrNumber of exposures: 6 hours/day, 5 days/week
	Method: Chronic toxicity
	Repeated dose toxicity - Assessment No skin irritation, No eye irritation
	No dangerous effects were observed in chronic toxicity studies.

Aspiration toxicity	No data available
General information	No data available
Inhalation:	No data available
Skin contact:	No data available
Contact with the eyes:	No data available
Ingestion:	No data available
Toxicology, metabolism, distribution	No data available
Neurological effects	No data available

Further information

Ingestion: No data available

SECTION 12: Ecological information

12.1. Toxicity

Dipropyleneglycolbutylether

Ecotoxicity :

Dipropylene glycol butyl ether : LC50 (Fish, 96 h) : 841 mg/l (Poecilia sp. OESOR 203)
EC50 (Algae, 96 h) : 519 mg/l (calculated)
EC50 (Daphnia magna, 48 h) : >411 mg/l (OECD Guideline 202)
NOEC (Daphnia magna, 48 h) : >1000 mg/l (OECD Guideline 202)

Titanium dioxide (13463-67-7)

Fish toxicity: LC50 (Cyprinodon variegatus): > 10 000 mg/l
Exposure time: 96 h
Test type: Semi-static test
Test substance: Sea water
Method: Guideline test OECD 203

Plant toxicity: NOEC: 100 000 mg/kg
Exposure time: 480 h
Sediment toxicity : > 100000 mg/kgsedimentdw
Study: Acute
Test type: Semi-static test
Water: Freshwater
Duration of exposure: 28 d
Species: Gammarus pulex (flea lobster)
Method: ASTM

100000 mg/kgsedimentdw
Study: Chronic
Test type: Semi-static test
Water: Freshwater
Duration of exposure: 28 d
Species: Gammarus pulex (flea lobster)
Method: ASTM

14989 mg/kgsedimentdw
Study: Acute
Test type: Semi-static test
Water: Sea water
Duration of exposure: 10 d
Species: Gammarus pulex (flea-crayfish)

Toxicity to terrestrial organisms: NOEC: 10 000 mg/kg
Exposure time: 672 h

12.2. Persistence and degradability

Dipropyleneglycolbutylether

Persistence and degradability : Readily biodegradable (OECD Guideline 301 A).

Titanium dioxide (13463-67-7)

Biodegradability :	Remarks: The method for determining biodegradability does not apply to inorganic substances. Remarks: The biodegradability test method does not apply to inorganic substances: The method for determining biodegradability is not applicable to inorganic substances.
Biodegradability:	Activated sludge Concentration: 100 mg/l Result: Intrinsically biodegradable. Biodegradation: 100 %. Exposure time: 28 d Method: Guideline test OECD 302B

12.3. Bioaccumulative potential

Dipropyleneglycolbutylether

Bioaccumulation :	Bioaccumulation : No bioaccumulation expected.

Titanium dioxide (13463-67-7)

Bioaccumulation :	Species: Oncorhynchus mykiss (rainbow trout) Exposure time: 14 d Bioconcentration factor (BCF): 19 - 352 Test substance: Freshwater Method: semi-static test Comments: Does not bioaccumulate.

12.4. Mobility in soil

Dipropyleneglycolbutylether

Mobility : Mobility : Adsorption to the solid state of soil is not expected.

Titaandioxyde (13463-67-7)

Distribution within and between environmental compartments: Comments: No data available

12.5. Results of PBT and vPvB assessment

WOOD HYDROSHIELD SL-xxx

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 disposal recommendations	: Discharging into rivers and drains is forbidden. Dispose of in accordance with relevant local regulations.
Additional information	: Clean up even minor leaks or spills if possible without unnecessary risk.
Ecology - waste materials	: Avoid release to the environment.
European List of Waste (LoW) code	: 16 10 02 - aqueous liquid wastes other than those mentioned in 16 10 01
Disposal of packaging	: The packaging used is exclusively for packaging this product. After use, empty the packaging thoroughly and close it. If it concerns returnable packaging, the empty packaging can be returned to the supplier.

SECTION 14: Transport information

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

14.1. UN number

UN-No.	: Not applicable
UN-No. (IMDG)	: Not applicable
UN-No. (ICAO)	: Not applicable
UN-No. (ADN)	: Not applicable
UN-No. (RID)	: Not applicable

14.2. UN proper shipping name

Proper Shipping Name (ADR)	: Not applicable
Proper Shipping Name (IMDG)	: Not applicable
Proper Shipping Name (IATA)	: Not applicable
Proper Shipping Name (ADN)	: Not applicable

Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable
Packing group (IMDG) : Not applicable
Packing group (IATA) : Not applicable
Packing group (ADN) : Not applicable
Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No
Marine pollutant : No
Other information : No supplementary information available

14.6. Special precautions for user

Overland transport

Not applicable

Transport by sea

Not applicable

Air transport

Not applicable

Inland waterway transport

Not applicable

Rail transport

Not applicable

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

For non-EU Countries, the Material Safety Data Sheet it is prepared following the main principles of Globally Harmonized System of Classification and Labelling of Chemicals (GHS) which are adopted worldwide.
VOC content : < 3 %
Directive 2012/18/EU (SEVESO III)

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for the mixture

SECTION 16: Other information

This safety data sheet has been completely updated in compliance to Regulation 2015/830.

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

TOXNET - Databases on toxicology, hazardous chemicals, environmental health, and toxic releases;

NIOSH - Registry of toxic effects of chemical substances (1983) - Occupational Health

Guidelines for Chemical Hazards (1995) - Pocket Guide to Chemical Hazards (on line) OECD - eChemPortal: The Global Portal to Information on Chemical Substances; CESIO - Human Health and Environmental classification of AE, AES, AS and various surfactant families.

M.Sittig-Handbook of toxic and Hazardous Chemicals and Carcinogens- III Ed.

E.R. Plunkett - Handbook of Industrial Toxicology - III Ed. 1991.

Samson Chem. Pub.-Chemical Safety Sheet working safely with hazardous chemical.

SAX'S Dangerous Properties of Industrial Materials. VIII (1993) ACGIH - "TLVs and BEIs" - latest edition

The product must be stored, handled and used according to criteria of good industrial practice and to regulations in force.

This leaflet complements the Technical Data Sheet but does not replace it. The information herein contained is given to the best of our knowledge at the time of issue.

Due to the several ways in which the product may be used and the possible interaction with variables not depending on or unknown to the supplier, we also cannot accept any liability whatsoever for any loss or damage however arising from the handling and use of our products.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
ATE:	Acute Toxicity Estimate
ATEmix:	Acute toxicity Estimate (Mixtures)
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
PNEC:	Predicted No Effect Concentration.
REACH:	Registration Evaluation and Authorization of Chemicals.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
SVHC:	Candidate List of Substances of Very High Concerns.
TLV:	Threshold Limiting Value.
TWA:	Time-weighted average
WGK:	German Water Hazard Class.

Full text of H- and EUH-statements:	
EUH210	Safety data sheet available on request.
EUH208	Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.

SDS EU (REACH Annex II)

The information provided here is to our knowledge correct and complete at the date of issue of this safety data sheet. The information relates only to the product mentioned and does not constitute a guarantee for the quality and completeness of the properties of the product, or that the product will be used in conjunction with other products or in any other process. It remains the responsibility of the user to ensure that the information is applicable and complete in relation to the particular use he is making of the product.

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