

SAFETY DATA SHEET
According to Regulation (EC) No 1907/2006

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Trade name:	WOOD.PROTECTOR		
Product code:	Date of compilation:	01.01.2020	Version: 6

SECTION 1: Identification of the substance/mixture and of the company/undertaking	
1.1.	Product identifier
	Trade name: WOOD PROTECTOR
	Chemical name:
	Catalogue number:
1.2.	Relevant identified uses of the substance or mixture and uses advised against
	Uses: Protection of wood chuck against cracking
	Uses advised against: Other uses
	Reason why uses advised against: Incompatibility
1.3.	Details of the supplier of the safety data sheet
	Supplier: Liquid Solutions e.U.
	Address: Betriebsgelände Süd Straße C8, A-3071 Böheimkirchen
	Telephone number: 0043 650 6621766
	Telefax:
	e-mail of competent person: office@liquidsolutions.at
	National contact:
1.4.	Emergency telephone number
	National Protection and Rescue Directorate: 112
	Medical information: +43 1 406 43 43 (AUSTRIA)
	Other information:

SECTION 2. Hazards identification	
2.1.	Classification of the substance or mixture
2.1.1.	Classification according to Regulation (EC) No 1272/2008 (CLP)
	Hazard class and category code: Hazard statement*:
	- -
2.1.2.	Additional information
	-
* For full text of Hazard- and EU Hazard-statements: see SECTION 16	
2.2.	Label elements
	Product identification: WOOD PROTECTOR
	Identification number: -
	Authorisation number: -
	Hazard pictograms: -
	Signal word: -
	Hazard statement: -
	Precautionary statement: -

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Supplemental hazard information (EU):	-
2.3. Other hazards	-

SECTION 3. Composition/information on ingredients

CAS/ EC/ Index No.:	REACH Registration No	Weight % content (or range)	Identification name	Classification according to Regulation (EC) No 1272/2008 (CLP)
203-961-6				
CAS:112-34-5 EC: 203-961-6 Index: 603-096-00-8	01-2119475104-44-xxxx	1 – 1,5	Butyl diglycol	H 319 Eye Irrit. 2

SECTION 4. First aid measures

4.1. Description of first aid measures	
General notes:	
Following inhalation:	Move to fresh air
Following skin contact:	Remove contaminated clothing and shoes Wash off with soap and water
Following eye contact:	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician
Following ingestion:	Do not induce vomiting
Self-protection of the first aider	Consult this MSDS
4.2. Most important symptoms and effects, both acute and delayed	
Following inhalation:	None known
Following skin contact:	None known
Following eye contact:	Not classified for acute
Following ingestion:	Not classified for acute
4.3. Indication of any immediate medical attention and special treatment needed	

SECTION 5. Firefighting measures

5.1. Extinguishing media	
Suitable extinguishing media:	Use CO2, dry chemical, or foam
Unsuitable extinguishing media:	Do not use a solid water stream as it may scatter and spread fire.
5.2. Special hazards arising from the substance or mixture	
Hazardous combustion products:	No data
5.3. Advice for firefighters	

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	Wear protective equipment/clothing when fighting fires.
5.4.	Additional information
	Cool the container with water.

SECTION 6. Accidental release measures	
6.1.	Personal precautions, protective equipment and emergency procedures
6.1.1.	For non-emergency personnel
	Protective equipment: For personal protection see section 8
	Accident prevention methods:
	Emergency procedures: Prevent water and soil pollutions. Prevent spreading in sewers. In case of large pollution call to number 112.
6.1.2.	For emergency responders:
6.2.	Environmental precautions:
	Prevent water and soil pollutions. Prevent spreading in sewers.
6.3.	Methods and material for containment and cleaning up
6.3.1.	Bunding, covering of drains; capping procedures: Keep in suitable, closed containers for disposal
6.3.2.	Cleaning up: Take up with sand or other non-combustible absorbent material and place into containers for later disposal
6.3.3.	Other information:
6.4.	Reference to other sections
	See Section 12 for additional Ecological Information

SECTION 7. Handling and storage	
7.1.	Precautions for safe handling
7.1.1.	Protective measures
	Measures to prevent fire: Avoid open flames
	Measures to prevent aerosol and dust generation: -
	Measures to protect the environment: Do not spill
	Other measures: -
7.1.2.	Advice on general occupational hygiene:
	Do not smoke, eat or drink when handling product. Avoid skin and eyes contact.
7.2.	Conditions for safe storage, including any incompatibilities
	Technical measures and storage conditions: Properly labeled original container
	Packaging materials: -
	Requirements for storage rooms and vessels: Temperatures between +5°C and +35°C, avoid direct sunlight

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Advices for storage equipment:	-		
Further information on storage conditions:	Avoid direct sunlight and freezing		
7.3. Specific end use(s)			
Recommendations:	Protection of wood chunks		
Industrial sector specific solutions:	-		

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Substance	CAS No	Occupational exposure limit values/short term values		Biological limit values
		ppm	mg/m ³	
-	-	-	-	-

Substance: -

EC No: - CAS No: -

DNEL

Industrial

Route of exposure:	Acute effect local	Acute effect systemic	Chronic effect local	Chronic effect systemic
Oral	-	-	-	-
Inhalation	-	-	-	-
Dermal	-	-	-	-

Critical physical parameters: solubility, flammability, corrosivity:

Consumer

Route of exposure:	Acute effect local	Acute effect systemic	Chronic effect local	Chronic effect systemic
Oral	-	-	-	-
Inhalation	-	-	-	-
Dermal	-	-	-	-

PNEC

Environmental protection target	PNEC
Fresh water	-
Freshwater sediments	-
Marine water	-
Marine sediments	-
Food chain	-
Microorganisms in sewage treatment	-
Soil (agricultural)	-

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Air	-
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8.2.	Exposure controls
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8.2.1.	Appropriate engineering controls
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	Substance/mixture related measures to prevent exposure during identified uses:	Apply technical measures to comply with the occupational exposure limits. When working in confined spaces (tanks, containers, etc.), ensure that there is a supply of air suitable for breathing and wear the recommended equipment
	Structural measures to prevent exposure:	Avoid contamination of water and soil
	Organisational measures to prevent exposure:	Use protective equipment
	Technical measures to prevent exposure:	Use protective equipment

8.2.2.	Personal protection equipment:
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8.2.2.1.	Eye and face protection:	Safety glasses with side-shields
8.2.2.2.	Skin protection:	Wear suitable protective clothing. Protective shoes or boots
	Hand protection:	Protective gloves
	Other skin protection:	Wear suitable protective clothing. Protective shoes or boots
8.2.2.3.	Respiratory protection:	None under normal use conditions
8.2.2.4.	Thermal hazards:	None

8.2.3.	Environmental exposure controls
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	Substance/mixture related measures to prevent exposure:	Avoid contamination of water and soil
	Structural measures to prevent exposure:	-
	Organisational measures to prevent exposure:	-
	Technical measures to prevent exposure:	-

SECTION 9. Physical and chemical properties			
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9.1.	Information on basic physical and chemical properties		
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		Value	Method
	Physical state:	Viscous liquid	
	Colour:	Various	
	Odour:	Mild	
	Odour threshold;	-	
	pH:	7 - 8	
	Melting point / freezing point;	0° C (for water)	

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Initial boiling point and boiling range:	100° C (for water)	
Flash point:	No data	
Evaporation rate:	No data	
Flammability (solid, gas):	No data	
Upper/lower flammability or explosive limits:	No data	
Vapour pressure:	No data	
Vapour density:	No data	
Relative density	1,45 - 1,50 g/cm ³	
Bulk density:	1,45 - 1,50 g/cm ³	
Solubility:	Mixes, but not soluble with water	
Partition coefficient: n-octanol/water (log Kow):	No data	
Auto-ignition temperature:	No data	
Decomposition temperature:	No data	
Viscosity:	8000 - 9500 mPas	
Explosive properties:	No data	
Oxidising properties:	No data	
9.2.	Other information	

SECTION 10.: Stability and reactivity		
10.1.	Reactivity:	Stable under normal conditions.
10.2.	Chemical stability:	Product is stable during normal handling.
10.3.	Possibility of hazardous reactions:	Under normal conditions of storage and use, hazardous reactions will not occur.
10.4.	Conditions to avoid:	No specific data.
10.5.	Incompatible materials:	No specific data.
10.6.	Hazardous decomposition products:	Under normal conditions of storage and use, hazardous decomposition products should not be produced

SECTION 11. Toxicological information					
11.1. Information on toxicological effects					
Acute toxicity:					
Route of exposure:	Method	Species	Effective Dose LD ₅₀ /LC ₅₀ or ATE _{mixture}	Exposure time	Results
Oral:	-	-	-	-	-

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Dermal:	-	-	-	-	-
Inhalation:	-	-	-	-	-

Specific target organ toxicity – single exposure (STOT SE):

	Specific effects	Target organ	Note
Oral:	-	-	-
Dermal:	-	-	-
Inhalation:	-	-	-

Aspiration hazard: -

Irritation and corrosion:

	Exposure time	Species	Evaluation	Method	Note
Skin corrosion/irritation	-	-	-	-	-
Serious eye damage/irritation	-	-	-	-	-

Sensitization

Skin sensitization:	-
Respiratory sensitization:	-

Symptoms related to the physical, chemical and toxicological characteristics

Oral exposure:	-
Dermal exposure:	-
Inhalation exposure:	-
Eye exposure:	-

Repeated dose toxicity (subacute, subchronic, chronic)

	Dose	Exposure time	Species	Method	Evaluation	Note
Subacute oral	-	-	-	-	-	-
Subacute dermal	-	-	-	-	-	-
Subacute inhalation	-	-	-	-	-	-
Subchronic oral	-	-	-	-	-	-
Subchronic dermal	-	-	-	-	-	-
Subchronic inhalation	-	-	-	-	-	-
Chronic oral	-	-	-	-	-	-
Chronic dermal	-	-	-	-	-	-
Chronic inhalation	-	-	-	-	-	-

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Specific target organ toxicity – repeated exposure (STOT RE):			
	Specific effects	Target organ	Note
Subacute oral	-	-	-
Subacute dermal	-	-	-
Subacute inhalation	-	-	-
Subchronic oral	-	-	-
Subchronic dermal	-	-	-
Subchronic inhalation	-	-	-
Chronic oral	-	-	-
Chronic dermal	-	-	-
Chronic inhalation	-	-	-
CMR effects (carcinogenicity; mutagenicity; reproductive toxicity)			
Carcinogenicity:	-		
Mutagenicity <i>in-vitro</i> :	-		
Genotoxicity:	-		
Mutagenicity <i>in-vivo</i> :	-		
Germ cell mutagenicity :	-		
Reproductive toxicity:	-		
Summary of evaluation of the CMR properties:	-		
11.2. Practical experiences:			
Classification observations:	-		
Other observations:	-		
11.3. General notes:			

SECTION 12. Ecological information						
12.1. Toxicity						
Acute (short-term) toxicity	Dose	Exposure time	Species	Method	Evaluation	Note
Fish:	LC ₅₀	96 hours	-	-	-	-
Crustacea:	EC ₅₀	48 hours	-	-	-	-
Algae/aquatic plants:	IC ₅₀	72 hours	-	-	-	-

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Other organisms:						
Chronic (long-term) toxicity	Dose	Exposure time	Species	Method	Evaluation	Note
Fish:	LC ₅₀	96 hours	-	-	-	-
Crustacea:	EC ₅₀	48 hours	-	-	-	-
Algae/aquatic plants:	IC ₅₀	72 hours	-	-	-	-
Other organisms:	-	-	-	-	-	-

12.2. Persistence and degradability						
Abiotic degradation						
	Degradation half-lives		Method	Evaluation	Note	
Marine water	-	-	-	-	-	
Fresh water	-	-	-	-	-	
Air	-	-	-	-	-	
Soil	-	-	-	-	-	

Biodegradation						
% Degradation	Time (days)		Method	Evaluation	Note	
-	-	-	-	-	-	
-	-	-	-	-	-	
-	-	-	-	-	-	

12.3. Bioaccumulative potential						
Octanol-water partition coefficient (log Kow)						
Value	Concentration	pH	°C	Method	Evaluation	Note
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-

Bioconcentration factor (BCF)						
Value	Species		Method	Evaluation	Note	
-	-		-	-	-	
-	-		-	-	-	
-	-		-	-	-	

Chronic ecotoxicity						
Value	Dose	Exposure time	Species	Method	Evaluation	Note

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Chronic toxicity on fish	LC ₅₀	-	-	-	-	-
Chronic toxicity on crustacea (Daphnia)	EC ₅₀	-	-	-	-	-

12.4. Mobility in soil

Known or predicted distribution in environmental compartments:

Surface tension:

	Value	°C	Concentration	Method	Note
	-	-	-	-	-
	-	-	-	-	-
	-	-	-	-	-

Adsorption/desorption

Transport	A/D coefficient Henry's constant	log Kow	Evaporation rate	Method	Note
Soil-Water	-	-	-	-	-
Water-Air	-	-	-	-	-
Soil-Air	-	-	-	-	-

12.5. Results of PBT and vPvB assessment

-

12.6. Other adverse effects

-

SECTION 13. Disposal considerations

13.1. Waste treatment methods

13.1.1. Product/Packaging disposal:

Must not be disposed together with household garbage. Do not allow product to reach sewage system. Dispose in safe manner in accordance with local/national regulation. Empty containers should be taken to an approved waste handling site for recycling or disposal.

13.1.2. Waste codes/waste designations according to Law:

08 01 16 aqueous sludges containing paint or varnish other than those mentioned in 08 01 15
 15 01 02 plastic packaging

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13.1.3.	Waste treatment – relevant information:
	No data
13.1.4.	Sewage disposal – relevant information:
	Do not dispose in sewage
13.1.5.	Other disposal recommendations:
	-
13.1.6.	Relevant Community provisions:
	-

SECTION 14. Transport information

Transporting/shipment by road (ADR)	
UN number:	Non-regulated
UN proper shipping name:	-
Transport hazard class(es):	-
Packing group:	-
Environmental hazards:	-
Special precautions for user:	-
Transporting/shipment by rail (RID)	
UN number:	Non-regulated
UN proper shipping name:	-
Transport hazard class(es):	-
Packing group:	-
Environmental hazards:	-
Special precautions for user:	-
Transporting/shipment by inland waterways (ADN)	
UN number:	Non-regulated
UN proper shipping name:	-
Transport hazard class(es):	-
Packing group:	-
Environmental hazards:	-
Special precautions for user:	-
Transporting/shipment by sea (IMDG)	
UN number:	Non-regulated
UN proper shipping name:	-
Transport hazard class(es):	-

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Packing group:	-
Environmental hazards:	-
Special precautions for user:	-
Transport in bulk according to Annex II of MARPOL73/78 and the IBC code:	-
Transporting/shipment by air (ICAO-TI/IATA-DGR)	
UN number:	Non-regulated
UN proper shipping name:	-
Transport hazard class(es):	-
Environmental hazards:	-
Special precautions for user:	-
Further information:	

SECTION 15. Regulatory information	
15.1.	Safety, health and environmental regulations/legislation specific for the substance or mixture
EU regulations	Authorisations and/or restrictions on use
Authorisations:	
Restrictions:	
Other EU regulations:	European Regulation (EC) No 1907/2006 European Regulation 2015/ 830
Information according 1999/13/EC about limitation of emissions of volatile organic compounds (VOC-guideline) A(i), 140 g/l, max 19 g/l	
National legislation:	
15.2.	Chemical safety assessment

SECTION 16. Other information	
16.1.	Indication of changes: -
16.2.	Abbreviations and acronyms: -
16.3.	Key literature references and source of data:
16.4.	Classification and procedure used to derive the classification for mixture according to Regulation (EC) 1272/2008 (CLP)
Classification	Classification procedure
-	-
16.5.	Relevant H statements (number and full text)

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16.6. Training advice:	
16.7. Further information:	

ANNEX: Exposure scenario resulting to Chemical safety assessment