

# SAFETY DATA SHEET

In accordance with the European Parliament and Council Regulation  
(EC) No. 1907/2006 (REACH)



Developed: 01.03.2014

Latest changes: -

Version 1

Name of the product: **Protective coating for wood "ECO PROTECT"**

## 1. IDENTIFICATION OF MIXTURE AND COMPANY

### 1.1. Product identification

**Name of the product** Protective coating for wood "ECO PROTECT"

**1.2. Types of using mixture and those not suggested for the usage** Protective coating for wood containing natural linseed oil. Highlights the natural beauty of wood by displaying its texture and adding slightly mat shade. Protects wood from moisture, mold, putridity, fungus, algae and blue stain. Coating can be used both for interior and exterior works.

**1.3. Information on safety data sheet supplier** **Producer:**  
Ltd "STAFOR"  
Kuldīgas street 53a,  
Riga, Latvia, LV-1046  
Ph./Fax: +371 67603399  
E-mail: info@stafor.lv

**1.4. Phone number for emergency situations** State Fire and Rescue Service: 112 (24h)  
State Toxicology Centre: (+371) 67042473 (24h)

## 2. DANGER IDENTIFICATION

### 2.1. Classification and label elements according to EC 1272/2008

Danger pictographs: -  
Signal word: -  
Contains: -  
Danger categories: -  
Characterization of product's effect: -  
Symbols for safety requirements: -  
Additional labelling: P102- Keep out of reach of children.  
**2.2. Other threats** Mixture does not meet PBT or vPvB criteria

## 3. INFORMATION ON INGREDIENTS

Name of substance/ product	Concentration, %	Classification (1999/45/EC)	Classification (1272/2008/EC)	Labelling (1272/2008/ EC)
<b>Linseed oil</b> EINECS No: 232-278-6 CAS No: 8007-79-4	40-50	Not classified	Not classified	N/A
<b>Demineralized water</b> EINECS No.: 231-791-2 CAS No.: 7732-18-5	40-50	Not classified	Not classified	N/A
<b>Acrylic polymers</b> EINECS No.: -	1-3	Not classified	Not classified	N/A

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CAS No.:-				
<b>Lecithin</b> EINECS No.: 232-307-2 CAS No.: 8002-43-5	1-3	Not classified	Not classified	N/A

## 4. FIRST AID MEASURES

### 4.1. Description of first-aid measures

- 4.1.1. General information: Every time when there is doubt or symptoms persist seek medical advice.
- 4.1.2. In case of product's contact with eyes: Immediately rinse eyes with running water. In 5 minutes remove contact lenses if possible and continue rinsing for 15 more minutes. Seek medical advice.
- 4.1.3. In case of product's contact with skin: In case of permanent irritation seek medical advice. Take off the tarnished clothing and shoes. Clean the clothing and shoes before repeated use.
- 4.1.4. If product is swallowed: Seek medical advice and present the package or it's labelling. Do not induce vomiting.
- 4.1.5. If product is inhaled: Remove victim to fresh air. In case one still feels unwell, seek medical advice.

### 4.2. Key symptoms and effect – acute and delayed

No impact on health if used according to the proper usage types

### 4.3. Reference on emergency medical care and special care

- 4.3.1. First-aid means as a must at workplace: Water, soap:

## 5. FIRE FIGHTING MEASURES

### 5.1. Firefighting measures

Proper firefighting measures: Water fog or spray, CO<sub>2</sub>, foam, powdered firefighting measures. It's advisable to use alcohol resistant foam, synthetic or protein foam.

Improper firefighting measures: Do not use direct water spray

**5.2. Special danger caused by the mixture:** Burning products: carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>), soot, smoke.

**5.3. Suggestions for firemen** Use insulating breathing apparatus with a positive pressure and complete protective clothing. When in contact with the product, use chemically resistant protective clothing with insulating breathing apparatus.

## 6. MEASURES IN OCCASIONAL LEAKAGE

### 6.1. Individual safety measures, protection means and procedures for emergency situations

6.1.1. For persons who are not instructed in emergency situations: Isolate contaminated place. Use proper protective clothing. Avoid contact with skin.

6.1.2. For those providing emergency aid: See p.7 and p.8 for the necessary protective equipment.

### 6.2. Environment safety measures

Product packaging excludes huge amount of product getting into environment.

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## 6.3. Methods and materials of limitation and collection

In case of leakage eliminate nearby located sources of open flame and heat. Collect product's volumes mechanically. Absorb the rest with sands. Collect in proper, labelled containers. Clean the contaminated surface. See p.13 on waste disposal.

## 6.4. Reference on other divisions

When limiting a leakage, use individual protective means listed in p.8 and perform waste management according to p.13.

## 7. USAGE AND STORAGE

### 7.1. Precaution for safe usage

Carefully mix before use. Covering surface should be clean and dry, resinous spots should be cleaned with white spirit. Previously colored surfaces should be cleaned from the old paint until the wood is clear. Coating should be applied with a brush or platen – in 1 or 2 layers. Tools to be washed with water.

### 7.2. Circumstances for safe storage, including all types of incompatibility

Keep out of sustained direct sunlight. The recommended storage temperature: +10°C - +30°C.

### 7.3. Specific final usage type

Specific usage types are listed in p. 1.2.

## 8. EFFECT MANAGEMENT/ INDIVIDUAL PROTECTION

### 8.1. Management parameters

Limiting values of occupational exposure (OELV)  
Linseed oil fog: 3 mg/m<sup>3</sup>

### 8.2. Effect management

#### 8.2.1. Proper technical management

In order for vapor concentration of the product in the air of working environment not to exceed limiting values of occupational exposure, effective local vent and general ventilation should be ensured.

#### 8.2.2. Such individual protection measures as individual protection means

##### Breathing protection

Not required

##### Hand protection:



Work with chemically resistant protective gloves that correspond to EN 374. Protective gloves ensure protection against chemical substances and microorganisms. For example, butyl rubber, EVAI, nitrile-butadiene rubber, neoprene, polyvinyl chloride gloves can be

used.

##### Eye protection:



Use chemically safe protection glasses, which correspond to EN 166 or analogous. Working place must be equipped with eyes rinsing devices.

##### Skin protection:



For professional use – chemical resistant work wear.

#### 8.2.3. Environmental risk management

Exclude a possibility for the product to get into environment.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

<b>General information:</b>	
Aggregate state:	Liquid
Color:	Amber color
Scent:	Poor, characteristic
<b>The most essential information on health protection, safety and environment protection:</b>	
Product's pH:	No data
Boiling point:	Linseed oil: polymerization (> 300°C; OECD 103)
Ignition temperature:	Linseed oil: 163°C (EC A.9; closed container)
Decomposition temperature:	Linseed oil: 300°C
Combustibility:	No data
Ingredients that can explode:	Product is not explosive
Oxidizing/reducing properties:	No data
Vapor pressure	Linseed oil: < 0.000000013 P hPa (OECD 104)
Relative density:	No data
Dissolution in water:	Linseed oil: < 1 mg/l g/l (OECD 105)
Dissolution:	No data
Water/n-octanol partition coefficient:	Linseed oil: > 6 log POW (OECD 107)
Dynamic viscosity	Linseed oil: -4°C (1013 hPa; OECD 102)
Viscosity	Linseed oil: ~30 dPas
Vapor density	No data
Evaporation rate	No data

### 9.2. Other information -

## 10. STABILITY AND REACTIVITY

10.1. Reactivity	N/A
10.2. Chemical stability	Stable when in normal usage and storage circumstances.
10.3. Probability of dangerous reactions	Stable when in normal usage and storage circumstances. In very fine dispersion in contact with air, combustion is possible.
10.4. Circumstances to avoid	N/A
10.5. Incompatible materials	Protect from oxidizers, strong acid, alkaline solutions. Do not dilute with organic solvents.
10.6. Dangerous deterioration products	N/A

## 11. TOXICOLOGICAL INFORMATION

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Data on the product is not available. Product is classified using calculation method according to European Union Directive 1999/45/EC, 1272/2008EC See p.3 and p.15.

## 11.1. Information on toxicological effect

Acute toxicity	<u>Linseed oil</u> LD50	>15 000 mg/kg
Irritation and corrosivity:	According to 1272/2008EC not classified as irritative or corrosive	
Sensibility:	According to 1272/2008EC not classified as irritative or sensitizing.	
<b>Data on raw materials:</b>		
<u>Linseed oil</u> : not sensitizing		
Toxicity for repeated dose	According to 1272/2008EC not classified as toxic after repeated effect.	
Carcinogenicity	According to 1272/2008EC not classified as carcinogenic.	
Mutagenicity	According to 1272/2008EC not classified as mutagenic.	
Toxicity for reproductive system	According to 1272/2008EC not classified as toxic for reproductive system.	

## 12. ECOLOGICAL INFORMATION

No data on the product are available. Product is classified using calculation method according to European Union Directive 1999/45/EC, 1272/2008EC.

12.1. Toxicity	
12.2. Stability and degradability	Linseed oil: easily biodegradable
12.3. Bioaccumulation potential	Linseed oil: not bioaccumulative
12.4. Mobility in soil	No data
12.5. PBT	Does not meet the criteria
12.6. vPvB	Does not meet the criteria

## 13. CONSIDERATIONS RELATED TO MANAGEMENT

13.1. Waste treatment methods	
Product residues:	Use the whole product without any residues. Elimination must be performed according to the local existing legislation.
Packaging residues:	Fully emptied tare should be forwarded to recycling or utilization.

## 14. INFORMATION ON TRANSPORTING

14.1. ANO number	-
14.2. ANO dispatch name	-
14.3. Transporting danger class	-
14.4. Package group	-
14.5. Environmental risks	-
14.6. Special precautionary measures for users	See p. 7

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14.7. Transporting without tare    Do not transport without a tare  
according to MARPOL 73/78 II  
Appendix and IBC code.

## 15. INFORMATION ON REGULATION

15.1. Safety, health sector and environmental terms/ regulations with a special notice to substances and mixtures	European Union Directive No.: 1907/2006/EC 67/548/EEC 1999/45/EC 1272/2008EC
15.2. Estimation of chemical safety	N/A

## 16. OTHER INFORMATION

### 16.1. Product classification and label elements according to 67/548/EEC

Symbol:	-
Danger class:	-
Contains:	-
Characterization of product's effect :	-
Symbols for safety requirements:	S1/2 - Keep locked up and out of the reach of children
Characterization of product's effect :	-
<b>16.2. Latest changes</b>	-

Explanations:

**CAS No.** - Chemical Abstrat Service - registration No. Chemistry Informative Agency.

**EINECS No.** - (List of current European chemical substances) is registration number assigned to all chemical substances available for sale in European Union from January 1st, 1971 to September 18th, 1981.

**PBT**- Persistent, bio accumulative and toxic.

**VPvB**- Very persistent and bio accumulative substance.

**STOT SE**- toxic effect on specific target organ after single effect.

Information provided in this data sheet is based on data provided by the producer and are considered to be fair, using this product only for the provided purpose.