

1. Identification of the substance or preparation and of the company

Product name: Woodcon
 Product application: Surface treatment, water repellent substance for all types of wood.

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2. Identification of hazards

2.1 Classification of the substance or preparation

According to EU Directives 67/548/EEG and 1999/45/EG:
 Not Hazardous.

2.2 Label elements

According to the EU Directive:

S-phrases
 S23(S) Do not inhale spray mist
 S23(V) Do not inhale fume
 S24/25 Avoid contact with eyes and skin
 S51 Use only in well vented places

3. Composition and information on ingredients

Chemical definition: silicone emulsion.

In accordance with EU Directives 67/548/EEG and 1999/45/EG:

Name	EINECS/ELINCS no.	REACH registration no.	Conc. (% w/w)	Grouping
Silica, diethoxyoctylsilyl-Trimethylsilylester	Exempted or not available	-	19.0	Substance with an exposure limit on workplaces within the EU
Triethoxyoctylsilane	220-941-2	-	15.0	Xi R38
Polyethylene (oxidilauryl ether)	Exempted or not available	-	<=2.0	Xi R41
Dimethylsiloxane with Aminoethylaminopropyle silsesquioxane, with hydroxyle-end groups	Exempted or not available	-	01-02-15	Xi R36/38

In accordance with EU Regulation no. 1272/2008:

Name	EINECS/ELINCS no.	REACH registration no.	Conc. (% w/w)	Grouping
Silica, diethoxyoctylsilyl-Trimethylsilylester	Exempted or not available	-	19.0	Substance with an exposure limit on workplaces within the EU
Triethoxyoctylsilane	220-941-2	-	15.0	Skin corrosion/irritation: Category 2 - H315
Polyethylene (oxidlauryl ether)	Exempted or not available	-	≤ 2.0	Severe eye injury/irritation: Category 1 - H318
Dimethylsiloxane with Aminoethylaminopropyle silsesquioxane, with hydroxyle-end groups	Exempted or not available	-	01-02-15	Skin corrosion/irritation: Category 2 - H315 Severe eye injury/irritation: Category 2 - H319

The full text of the R-phrases used in this paragraph can be found in paragraph 16.

The full text of the H-phrases used in this paragraph can be found in paragraph 16.

CLP classifications are based on all currently available data, including data of recognized international institutions. These classifications are subject to continuous revisions depending on the availability of new data.

4. First aid measures

4.1 Description of first aid measures:

In case of eye contact:	Wash with water. If eye irritation persists, request medical assistance.
In case of skin contact:	Wash with water. If skin irritation persists, notify physician.
In case of inhalation:	Seek fresh air.
In case of swallowing:	Under normal conditions no first aid is required.

5. Fire-fighting measures

Suitable means of extinguishing:	Extinguish large fires with dry powder, foam or water jet (mist). Extinguish small fires with CO ₂ , dry powder or water jet. Water can be used to cool down containers that have been exposed to fire.
Non-suitable means of extinguishing:	None known.
Fire-fighting risks:	None known.
Hazardous combustion products:	In case of thermal decomposition of this substance during fire or extreme heat, the following decompositional products can be released: Silica. Carbon dioxide and traces of not fully burnt carbon products. In case of thermal decomposition, formaldehyde can be formed. Nitrogen products. Chlorine products.

Special fire fighting procedures: Wear an independent breathing apparatus and protective clothing. Determine whether it is necessary to clear or isolate the area in accordance with your local contingency plan. Use water to cool down containers exposed to fire.

6. Measures in case of accidental release of the substance or preparation

Personal precautions, protective equipment and emergency procedures:

Wear appropriate protective equipment.

Precautionary measures to protect the environment:

Prevent foreseeable escalation or penetration of sewer systems, dikes or rivers through sand, soil or other modified barriers.

Methods and materials for containment and cleaning:

Determine whether it is necessary to clear or isolate the area in accordance with your local contingency plan. Large quantities of spilled substance need to be contained. Swipe or swab with absorbing material and use a closed bin for disposal. The spilled product causes a very slippery surface.

7. Handling and storage

Recommendations for safely handling the substance:

General ventilation is recommended. Local exhaustion is recommended. Do not inhale spray mist. Do not inhale fume. Avoid contact with skin and eyes. Do not use a sink for waste disposal.

Recommendations for storage:

Do not store together with oxidizing substances. Storage temperature: minimum 0 °C, maximum 30 °C

Described applications:

Consult the technical datasheet which is available on request.

8. Measures to control exposure/personal protection

8.1 Control parameters

Name	Exposure limits
Silica, diethoxyoctylsilyl-trimethylsilylester	500 ppm MAC-TGG 8h. as ethanol 1,000 mg/m ³ MAC-TGG 8h. as ethanol
Triethoxyoctylsilane	500 ppm MAC-TGG 8h. as ethanol 1,000 mg/m ³ MAC-TGG 8h. as ethanol

8.2 Measures to control exposure

Technical measures:

Exhaustion: see section 7.1

Personal protection measures

Protection of the airways:

Respiratory protection needs to be worn when using the product in large quantities or small spaces, or in case of approaching or exceeding the OEL.

A breathing apparatus provided with an organic gas/dust filter needs to be worn when using the product in situations where an aerosol or mist can form.

Depending on the working conditions, wear respiratory protection with filter(s) AP or use compressed air equipment. The selection of the filter type depends on the quantity and characteristics of the chemical substances which are used at the workplace. With respect to the characteristics of the filter refer to the respiratory protection equipment supplier.

Protection of the hands:

Chemical resistant gloves need to be worn in situations where repetitive or prolonged contact is possible: Silver shield(TM). 4H(TM). Consult your chemical resistant gloves supplier for penetration time of the gloves.

Protection of the eyes/face:

Wear safety glasses.

Protection of the skin:

Wear an overall when using this product.

Hygienic measures:

Exercise proper industrial hygiene. Wash your hands after handling, especially before eating, drinking or smoking.

Other information:

These precautionary measures need to be followed when use at room temperature. For use at higher temperatures or for aerosol sprays, additional precautionary measures may be necessary. For additional information on the use of silicone / organic oils for consumer aerosol applications refer to the guidebook on the use of these kinds of materials in consumer aerosol applications which is developed by the silicone industry (www.SEHSC.com), or by contacting the Ecoform Europe.

Controlling exposure to the environment:

See paragraph 6 and 12

9. Physical and chemical characteristics

Form:	Liquid
Color:	White
Smell:	Very little
Boiling point:	100 °C
Flash point:	> 100 °C (Closed Cup)
Spontaneous combustion temperature:	> 100 °C
Blast characteristics:	No
Relative density:	1
Viscosity:	50 mPa s at 25 °C
Oxidation characteristics:	No

The information above is not meant for writing product specifications. Contact Ecoform Europe before writing such specifications.

10. Stability and reactivity

Reactivity: None known.

Stability: Stable under normal conditions.

Possibility of hazardous reactions: None known.

Conditions to avoid: No data.

Materials to avoid: Can react with strong oxidants.

Dangerous decomposition products:

In case of thermal decomposition of this substance during fire or extreme heat, the following decomposition products can be released: Silica. Carbon dioxide and traces of not fully burnt carbon products. In case of thermal decomposition, formaldehyde can be formed. Nitrogen products. Chlorine products.

11. Toxicological information

Acute toxicity

In case of eye contact: Moderately irritating.

In case of skin contact: Moderately irritating.

In case of exposure through inhalation: Usually there are no harmful effects to be expected.

In case of swallowing: Can cause mild irritations of membranes.

Chronic toxicity

In case of skin contact:

Can cause irritation at prolonged or repetitive contact with the skin

In case of exposure through inhalation:

Usually there are no harmful effects to be expected.

In case of swallowing:

Repetitive swallowing can cause stomach and intestinal irritations and diseases.

Toxicokinetics, metabolism and dispersion:

No specific data available.

1 Based on product tests.

2 Based on analysis of comparable products.

12. Environmental information

Ecotoxicity effects

No harmful effects for aquatic animals are to be expected.

Persistence and biodegradability

Siloxanes are removed from water by sedimentation or by bonding with silt. Siloxanes are broken down in the ground. This product hydrolyses in water or in damp air and releases alcohols and organosilicones.

Bioaccumulation

There is no bioaccumulation to be expected.

Release on water surfaces / Mobility in the ground

Degradability/removal in water purification stations:

No harmful effects on bacteria are to be expected. The siloxanes in this product do not contribute to the BOD.

13. Instructions for disposal

Disposal of the product and packaging:

Dispose in accordance with local governmental provisions. In accordance with the European waste list, the waste numbers are not characteristic for the substance, but for the application. The waste number has to be granted by the user, preferably after consulting with the concerned (environmental) authorities.

14. Information concerning transportation

Rail and road transport (ADR/RID)

The substance is not subject to ADR-RID directives.

Shipping (IMDG)

The substance is not subject to the IMDG code.

Air transport (IATA)

The substance is not subject to IATA devices.

15. Mandatory legal information

Specific safety, health and environmental regulations and legislation for the substance or the compound.

State	
EINECS	Not determined
TSCA	All substances are included in the register or do not require entry.
AICS	All substances are included in the register, do not require entry or are being registered.
IECSC	All substances are included in the register or do not require entry.
KECL	All substances are included in the register, do not require entry or are being registered.
PICCS	All substances are included in the register, do not require entry or are being registered.
DSL	Consult Ecoform Europe.
ENCS-ISHL	All substances are included in the register, do not require entry or are being registered.

16. Other information

This safety sheet is drafted in compliance with article 31 and Annex II of the EU REACH Directive as well as applicable changes on the harmonisation of laws, regulations and administrative obligations about the classification, packaging and labelling of hazardous chemical substances and preparations.

All information and instructions mentioned in this safety sheet are based on the current scientific and technical information on the indicated date. Ecoform Europe is not liable for any harmful effects if the effect was not identifiable based on the scientific and technical knowledge at the indicated date.

All data and instructions on this safety sheet (SDS) are based on the current state of our scientific and technical knowledge on the date mentioned on this safety sheet. Ecoform Europe can not be held liable for any flaw of the substance covered by this safety sheet in case the flaw was not perceptible based on the current state of scientific or technical knowledge.

As mentioned, this safety sheet is drafted in compliance with the applicable European legislation. In case you purchased this substance outside of Europe, where the applicable legislation may differ, your local Ecoform supplier should provide you with a safety sheet that is applicable in the country where the substance was purchased and is expected to be used. Please keep in mind that the shape and content of the safety sheets may differ between countries, even for the same substance, in this way complying with deviating conformity requirements. In case you have any questions, please consult Ecoform Europe.

Data sources: internal data and public data

R36/38 Irritating to the eyes and skin.

R38 Irritating to the skin.

R41 Risk of severe eye injury.

H315 Causes irritation of the skin.

H318 Causes severe eye injury.

H319 Causes severe irritation of the eyes.