



The safety data sheet is in accordance with Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

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

Date issued	31.01.2018
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1.1. Product identifier

Product name	Cleaner / Cleaner Spray
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1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance / preparation	Cleaning agent for finished floors.
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1.3. Details of the supplier of the safety data sheet

Company name	Arboritec AB
Postal address	Olof Wijksväg 9
Postcode	SE-444 65
City	Jörlanda
Country	Sverige
Telephone number	0303-563 30
Fax	0303-563 32
Email	post@arboritec.com
Website	http://www.arboritec.com

1.4. Emergency telephone number

Emergency telephone	Telephone number: 112 Description: In case of medical emergency call
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SECTION 2: Hazards identification

2.1. Classification of substance or mixture

2.2. Label elements

Composition on the label	propylheptanol ethoxylate 0.5 < 1 %
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2.3. Other hazards

Other hazards	When spray applying see section 8.
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SECTION 3: Composition / information on ingredients

3.2. Mixtures

Substance	Identification	Classification	Contents
propylheptanol ethoxylate	CAS No.: 160875-66-1	Eye Dam. 1; H318 Acute tox. 4; H302	0.5 < 1 %

SECTION 4: First aid measures

4.1. Description of first aid measures

General	Get medical advice/attention if you feel unwell. Never give anything by mouth to an unconscious person.
Inhalation	Use with adequate ventilation.
Skin contact	Remove/Take off immediately all contaminated clothing. IF ON SKIN: Gently wash with plenty of soap and water. Do NOT use solvents or thinners.
Eye contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Ingestion	Get immediate medical advice/attention.

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

General symptoms and effects	No specific symptoms exist.
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4.3. Indication of any immediate medical attention and special treatment needed

Medical treatment	No specific treatment necessary.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Recommended extinguishing media : alcohol resistant foam, CO ₂ , powders, water spray. Do not use water jet.
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5.2. Special hazards arising from the substance or mixture

Fire and explosion hazards	Fire will produce dense black smoke. Decomposition products can be hazardous. At high temperatures create: Carbon monoxide (CO), carbon dioxide (CO ₂), smoke, nitrogen gases (NO _x).
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5.3. Advice for firefighters

Personal protective equipment	Wear respiratory protection.
Other information	Eliminate all ignition sources if safe to do so. Do not allow run-off from fire fighting to enter drains or water courses.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	See section 7 and 8.
Personal protection measures	In case of inadequate ventilation wear respiratory protection. Wear fire / flame resistant / retardant clothing. Use personal protective equipment as required. Wear cold insulating gloves / face shield / eye protection. Wear protective gloves / protective clothing / eye protection / face protection. Avoid breathing dust / fume / gas / mist / vapours / spray. If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

6.2. Environmental precautions

Environmental precautionary measures	Collect spillage. Avoid release to the environment. If the product contaminates lakes, rivers or sewers, inform appropriate authorities in accordance with local regulations.
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6.3. Methods and material for containment and cleaning up

Cleaning method	Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13). Clean preferably with a detergent; avoid use of solvents.
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6.4. Reference to other sections

Other instructions	7, 8
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling	Avoid spilling, skin- and eye contact. Avoid breathing dust / fume / gas / mist / vapours / spray. Avoid breathing dust.
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Protective safety measures

Protective safety measures	Smoking, eating and drinking is forbidden in application area. Remove contaminated clothing and protective gear before you get to an area where meals are taken.
Additional information	Never use pressure to empty : container is not a pressure vessel. For personal protection see Section 8.

7.2. Conditions for safe storage, including any incompatibilities

Storage	Keep only in original container. Store in a well-ventilated place. Keep container tightly closed. Keep cool. Protect from sunlight. Store in a dry place. Ensure that the safety legislation laws are followed.
Conditions to avoid	Keep away from heat / sparks / open flames / hot surfaces. — No smoking. Protect

from sunlight. Keep away from oxidizing agents, from strongly alkaline and strongly acid materials. Prevent unauthorized access.

Conditions for safe storage

Storage temperature Value: 5 – 25 grader celsius

7.3. Specific end use(s)

Recommendations Do not handle until all safety precautions have been read and understood.

SECTION 8: Exposure controls / personal protection

8.1. Control parameters

Substance	Identification	Value	TWA Year
propylheptanol ethoxylate	CAS No.: 160875-66-1		

8.2. Exposure controls

Precautionary measures to prevent exposure

Appropriate engineering controls Use with adequate ventilation. If possible this should be achieved by local extraction and good exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapors below the OEL, suitable respiratory equipment.

Eye / face protection

Suitable eye protection Wear cold insulating gloves / face shield / eye protection.

Hand protection

Hand protection Wear cold insulating gloves / face shield / eye protection.

Skin- / hand protection, long term contact For prolonged or repeated contact use gloves made of butyl rubber.

Suitable materials Barrier creams may help to protect the skin, but they should however not be used once exposure has occurred.

Skin protection

Skin protection (except hands) Wear fire / flame resistant / retardant clothing.

Respiratory protection

Respiratory protection Respiratory protection with gas filter (brown A) must be used if air concentration exceeds acceptable level (OEL).

Mask type When spraying, use half-or full face mask with filter P2 (Iib) to spray.

Exposure controls

Safety measures for consumer use of the chemical Read label before use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid.
Odour	Faint.
Odour limit	Comments: Not applicable.
pH	Status: In aqueous solution Comments: Not determined .
Melting point / melting range	Comments: Not determined.
Boiling point / boiling range	Comments: Not determined.
Flash point	Comments: Not applicable. Waterbased product
Evaporation rate	Comments: Not determined.
Flammability (solid, gas)	Not determined
Explosion limit	Comments: Not applicable.
Vapour pressure	Comments: Not determined.
Vapour density	Comments: Not determined.
Specific gravity	Value: 1 g/ml
Solubility in water	unlimited.
Partition coefficient: n-octanol/water	Comments: Not applicable.
Explosive properties	Not explosive.
Oxidising properties	Not Oxidising.

9.2. Other information

Physical hazards

Content of VOC	Value: 0 g/ml Comments: Initial boiling point less than or equal to 250 degrees Celsius.
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	No reactive.
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10.2. Chemical stability

Stability	Stable under recommended storage and handling conditions (see section 7).
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	No dangerous if handled according to Technical Information.
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10.4. Conditions to avoid

Conditions to avoid	No applicable.
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10.5. Incompatible materials

Materials to avoid	Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reaction.
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10.6. Hazardous decomposition products

Hazardous decomposition products	When exposed to high temperature may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Substance	propylheptanol ethoxylate
Acute toxicity	Type of toxicity: Acute Effect tested: LD50 Route of exposure: Oral Value: > 2000 mg/kg Animal test species: Rat

Other information regarding health hazards

Inhalation	May cause drowsiness or dizziness. May cause respiratory irritation.
Skin contact	No information is available.
Eye contact	No information available.
Ingestion	Ingestion may cause nausea and vomiting.
Skin corrosion / irritation, other information	No information available.
Eye damage or irritation other information	If splashed in the eyes, the liquid may cause irritation and reversible damage.
General respiratory or skin sensitisation	Prolonged or repeated contact may defat the skin, resulting in non-allergic contact eczema and absorption through the skin.
Germ cell mutagenicity, human experience	No information available.
Carcinogenicity human experience	No information is available.
Reproductive toxicity	No information available.
STOT-single exposure	No information available.
STOT-repeated exposure	No information available.
Aspiration hazard, human experience	When applying see section 8.

SECTION 12: Ecological information

12.1. Toxicity

Substance	propylheptanol ethoxylate
Acute aquatic, fish	Value: > 10 – 100 mg/l Test duration: 96h Method: LC50
Substance	propylheptanol ethoxylate
Acute aquatic, algae	Value: > 10 – 100 mg/l Test duration: 72h Method: EC50
Substance	propylheptanol ethoxylate
Acute aquatic, Daphnia	Value: > 10 – 100 mg/l Test duration: 48h Method: EC50

12.2. Persistence and degradability

Persistence and degradability, comments	Meets criteria for biodegradability in accordance with the EC Directive 648/2004 with respect to cleaning agents.
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12.3. Bioaccumulative potential

Bioaccumulation, evaluation	Not deemed to be bioaccumulative.
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12.4. Mobility in soil

Mobility	Soluble in water.
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12.5. Results of PBT and vPvB assessment

PBT assessment results	Not classified as PBT / vPvB of current EU criteria.
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12.6. Other adverse effects

Other adverse effects, comments	None known.
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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Specify the appropriate methods of disposal	Avoid release to the environment. Collect spillage.
Product classified as hazardous waste	No
EWC waste code	EWC: 08 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS

SECTION 14: Transport information

14.1. UN number**14.2. UN proper shipping name**

ADR / RID / ADN	--
IMDG	--
ICAO / IATA	--

14.3. Transport hazard class(es)**14.4. Packing group****14.5. Environmental hazards**

IMDG Marine pollutant	NO
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14.6. Special precautions for user**14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code****SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations / legislation specific for the substance or mixture**

Legislation and regulations	<p>Classification and labeling of substances under Directive 67/548/EC, 1999/45/EC, see section 3.</p> <p>Classification and labeling of substances according to Regulation (EC) 1272/2008 (CLP) is in section 3.</p> <p>The labeling of the product according to EC directives 67/548/EEC, 1999/45/EC, see section 2.</p> <p>Safety data sheet is designed according to EU Commission Regulation No. 1907/2006.</p>
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15.2. Chemical safety assessment

Chemical safety assessment performed	No
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SECTION 16: Other information

List of relevant H-phrases (Section 2 and 3)	H302 Harmful if swallowed. H318 Causes Serious eye damage.
Version	7
Comments	The information of this SDS is based on the present state of our knowledge and on current EU and national laws. The product is not to be used for other purposes than those specified under section 1 without first obtaining written handling instruction. It is always the responsibility of the user to take all necessary steps in order to fulfill the demand laid down in the local rules and legislation. The information in this SDS is meant as a description of the safety requirements of our product : it is not to be considered as a guarantee of the products' properties.