



SDS according to Regulation (EC) No. 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), Annex II-EU

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

Date issued 08.12.2014

1.1. Product identifier

Product name Cleaner RES

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

Use of the substance/preparation Cleaning agent for finished floors.

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
 Tel 0303-563 30
 Fax 0303-563 32
 E-mail post@arboritec.com
 Website http://www.arboritec.com

1.4. Emergency telephone number

Emergency telephone In case of medical emergency call:112

SECTION 2: Hazards identification

2.1. Classification of substance or mixture

2.2. Label elements

Composition on the label propylheptanol ethoxylate:< 1 %

2.3. Other hazards

Other hazards When spray applying see section 8.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Substance	Identification	Classification	Contents
propylheptanol ethoxylate	CAS no.: 160875-66-1	Xi; R41 Eye Dam. 1;H318;	< 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.

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

Medical treatment No specific treatment necessary.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Recommended extinguishing media : alcohol resistant foam, CO₂, powders, water spray. Do not use water jet.

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 (CO₂), smoke, nitrogen gases (NO_x).

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.

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.

6.4. Reference to other sections

Other instructions 7, 8

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.

Protective Safety Measures

Protective Safety Measures Smoking, eating and drinking should be prohibited 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. Comply with the health and safety at work laws.
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
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7.3. Specific end use(s)

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

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational Exposure limit values

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.
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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.

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.

Eye / face protection

Suitable Eye Protection	Wear cold insulating gloves / face shield / eye protection.
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Skin protection

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

Safety measures for consumer use of the chemical	Read label before use.
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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid.
Odour	Faint.

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

9.2. Other information

Content Of Voc	Value: 0 g/ml Comments: Initial boiling point less than or equal 250 grad 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

Toxicological data for substances

Substance	propylheptanol ethoxylate
LD50 oral	Value: > 2000 mg/kg Animal test species: Rat
Eye damage or irritation other info	Causes serious eye damage.

Potential acute effects

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.
Aspiration hazard, human experience	When applying see section 8.
Eye damage or irritation other info	If splashed in the eyes, the liquid may cause irritation and reversible damage.

Delayed effects / repeated exposure

General respiratory or skin sensitisation	Prolonged or repeated contact may defat the skin, resulting in non-allergic contact eczema and absorption through the skin.
STOT-single exposure	No information available.
STOT-repeated exposure	No information available.

Carcinogenic, Mutagenic or Reprotoxic

Carcinogenicity human experience	No information is available.
Germ Cell Mutagenicity, human experience	No information available.
Reproductive toxicity	No information available.

SECTION 12: Ecological information

12.1. Toxicity

Toxicological data for substances

Substance	propylheptanol ethoxylate
Acute aquatic, fish	Value: > 10-100 mg/l Method of testing: LC50 Duration: 96h
Acute aquatic, algae	Value: > 10-100 mg/l Method of testing: EC50 Duration: 72h
Acute aquatic, Daphnia	Value: > 10-100 mg/l Method of testing: EC50 Duration: 48h
Persistence and degradability	Meets criteria for biodegradability in accordance with the EC Directive 648/2004 with respect to cleaning agents.
Bioaccumulation	Not Bioaccumulative.

12.2. Persistence and degradability

Persistence and degradability	Propylheptanoletoxilat Uppfyller kriterier för bionedbrytbarhet i enlighet med EG-direktiv nr 648/2004 med avseende på rengöringsmedel.
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12.3. Bioaccumulative potential

Bioaccumulation evaluation	Propylheptanoletoxilat Bedöms inte vara bioackumulativ.
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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 / Remarks	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 ---

IMDG ---

ICAO/IATA ---

14.3. Transport hazard class(es)

14.4. Packing group

14.5. Environmental hazards

IMDG Marine pollutant No

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

SECTION 16: Other information

List of relevant R-phrases (under headings 2 and 3).	R41 Risk of serious damage to eyes.
List of relevant H-phrases (Section 2 and 3).	H318 Causes Serious eye damage.
Version	1
Responsible for safety data sheet	Arboritec AB
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.