



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 14.06.2017

### 1.1. Product identifier

Product name Refresher

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

Use of the substance/preparation Waterbased refresher 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](mailto:post@arboritec.com)  
Website <http://www.arboritec.com>  
Contact person Jörgen Kaldemark

### 1.4. Emergency telephone number

Emergency telephone Tel: 112  
Description: In case of medical emergency call

## SECTION 2: Hazards identification

### 2.1. Classification of substance or mixture

### 2.2. Label elements

Composition on the label Ammonia ...% < 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
Ammonia ...%	CAS no.: 1336-21-6 EC no.: 215-647-6 Index no.: 007-001-01-2	Skin Corr. 1B;H314 Aquatic Acute 1;H400 Note : B	< 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. Get medical advice/attention if you feel unwell.
Ingestion	IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell.

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

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

## 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.
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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 (CO2), smoke, nitrogen gases (NOx).
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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**

**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	For personal protection see Section 8. Never use pressure to empty : container is not a pressure vessel.

**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. Store in a dry place. Store in a closed container. Keep cool. Protect from sunlight. Ensure that the safety legislation laws are followed.
Conditions to avoid	Protect from sunlight. Keep away from heat / sparks / open flames / hot surfaces. — No smoking. 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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**SECTION 8: Exposure controls/personal protection**

**8.1. Control parameters**

Substance	Identification	Value	TWA Year
Ammonia ...%	CAS no.: 1336-21-6		

**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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**Eye / face protection**

Suitable Eye Protection	Wear cold insulating gloves / face shield / eye protection.
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## 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.
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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 (Ib) to spray.

## 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 delivery state Comments: Not determined.
	Status: In aqueous solution Comments: Not determined .
Melting point / melting range	Comments: Not determined.
Boiling point / boiling range	Comments: Not determined.
Flash point	Value: > 105 °C
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 Method: ASTM 6450 Temperature: 23 °C
Solubility in water	unlimited.
Partition coefficient: n-octanol/water	Comments: Not applicable.
Decomposition temperature	Comments: Not determined
Explosive properties	Not explosive.
Oxidising properties	Not Oxidising.

### 9.2. Other information

#### Physical hazards

Content Of Voc	Value: 0 g/l Comments: Initial boiling point less than or equal to 250°C
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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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### Other information

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### 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 info	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

Aquatic, comments	Ammonia is very toxic to aquatic life.
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### 12.2. Persistence and degradability

Persistence and degradability	Not determined.
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### 12.3. Bioaccumulative potential

Bioaccumulation, evaluation	Not determined.
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### 12.4. Mobility in soil

Mobility	Not determined.
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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	Yes
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, National waste code: 01, National wastegroup: 11

## 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

**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	Classification and labeling of substances according to Regulation (EC) 1272/2008 (CLP) is in section 3. Classification and labeling of substances according to Regulation (EC) 1272/2008 (CLP) is in section 2.  Safety data sheet is designed according to EU Commission Regulation No. 1907/2006.
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**15.2. Chemical safety assessment**

Chemical safety assessment performed No

**SECTION 16: Other information**

List of relevant H-phrases (Section 2 and 3).	H314 Causes severe skin burns and eye damage. H400 Very toxic to aquatic life.
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.