SAFETY DATA SHEET
Select

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	09.09.2014

1.1. Product identifier

Product name	Select

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

Use of the substance/preparation	Waterborne wood floor finish.

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
Contact person	Jörgen Kaldemark

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	Diethylene glycol monobutyl ether:2,5 - 5 %
Supplemental label information	EUH208: Contains reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1). May produce an allergic reaction. Safety data sheet available on request.

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
Diethylene glycol monobutyl ether	CAS no.: 112-34-5 EC no.: 203-961-6 Index no.: 603-096-00-8 Synonyms: 2-(2-Butoxyethoxy) ethanol	Xi; R36 Eye Irrit. 2;H319; Eye Irrit. 2;H319;	2,5 - 5 %

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: 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.

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).

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

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 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. Keep cool. Protect from sunlight. Store in a dry place. Tillse att gällande arbetsmiljölagstiftning följs.
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 Celsius

7.3. Specific end use(s)

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

Specific end users

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational Exposure limit values

Substance	Identification	Value	TWA Year
Diethylene glycol monobutyl ether	CAS no.: 112-34-5 EC no.: 203-961-6 Index no.: 603-096-00-8 Synonyms: 2-(2-Butoxyethoxy) ethanol	8-hour TWA: 10 ppm 8-hour TWA: 67,5 mg/m3 15 min.: 15 ppm 15 min.: 101,2 mg/m3	2011

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.

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.

Skin protection

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

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.
Comments, Odour limit	Not applicable.
Comments, pH (as supplied)	Not determined.
Comments, pH (aqueous solution)	Not determined .
Comments, Melting point / melting range	Not determined.
Comments, Boiling point / boiling range	Not determined.
Flash point	Value: 105 °C
Comments, Evaporation rate	Not determined.
Flammability (solid, gas)	Not determined
Lower explosion limit with unit of measurement	Value: 0,8 %
Upper explosion limit with units of measurement	Value: 9,4 %
Comments, Vapour pressure	Not determined.
Comments, Vapour density	Not determined.
Specific gravity	Value: 1,05 g/ml Method of testing: ASTM6450 Test temperature: 23 °C
Solubility in water	unlimited.
Comments, Partition coefficient: n-octanol / water	Not applicable.
Comments, Viscosity	Not determined. Does not affect the assessment.
Explosive properties	Not explosive.
Oxidising properties	Not Oxidising.

9.2. Other information

Content Of Voc	Value: 47 g/l Comments: Initial boiling point less than or equal to 250°C

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	No reactive.

10.2. Chemical stability

Stability	Stable under recommended storage and handling conditions (see section 7).

10.3. Possibility of hazardous reactions

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

10.4. Conditions to avoid

Conditions to avoid	No applicable.

10.5. Incompatible materials

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

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.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological data for substances

Substance	Diethylene glycol monobutyl ether
LD50 oral	Value: 5660 mg/kg Animal test species: Rat
LD50 dermal	Value: 2700 mg/kg Animal test species: Rabbit

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, comments	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

Acute aquatic, fish, Comments	Not expected to be toxic to aquatic life.

Toxicological data for substances

Substance	Diethylene glycol monobutyl ether
Acute aquatic, fish	Value: 2000 mg/L Method of testing: LC50 Species: Inland silverside Duration: 96h Test reference: salt water
Acute aquatic, fish LCLo	Value: 1300 mg/L Method of testing: LC50 Species: Bluegill Lepomis macrochirus Duration: 96h Test reference: Sweetwater

12.2. Persistence and degradability

Persistence and degradability description	Not determined.

12.3. Bioaccumulative potential

Bioaccumulative potential	Not determined.

12.4. Mobility in soil

Mobility	Soluble in water.

12.5. Results of PBT and vPvB assessment

PBT assessment results	Not classified as PBT / vPvB of current EU criteria.

12.6. Other adverse effects

Other adverse effects / Remarks	None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Specify the appropriate methods of disposal	Avoid release to the environment. Collect spillage. Wastes and empty containers should be disposed of in accordance with regulations made under the Control of Pollution Act and the Environmental Protection Act.
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, National waste code: 01, National wastegroup: 12

SECTION 14: Transport information

14.1. UN number

Comments	Not dangerous goods. Transport in accordance with national law and ADR for road, RID for rail, IMDG for sea and ICAO / IATA for air. For complete information on transport, see transport document.

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

15.2. Chemical safety assessment

Chemical safety assessment performed	No

SECTION 16: Other information

List of relevant R-phrases (under headings 2 and 3).	R36 Irritating to eyes.
List of relevant H-phrases (Section 2 and 3).	H319 Causes serious eye irritation.
Version	2
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.