

# SAFETY DATA SHEET



Jotun Protects Property

## Demidekk Ultimate Windows and Doors

### 1. Identification of the preparation and of the company

**Product name and/or code** : Demidekk Ultimate Windows and Doors

**Supplier/Manufacturer** : Jotun Paints (Europe) Ltd.  
 Stather Road  
 Flixborough, Scunthorpe  
 North Lincolnshire  
 DN15 8RR  
 England

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 SDSJotun@jotun.no

**Emergency telephone number** : Contact National Poison Centre via Hospital or Registered Medical Practitioner

**Product use** : Coatings: Waterborne. Demidekk Ultimate Windows and Doors is a waterborne exterior wood protection coating with very good colour stability and long maintenance cycles. Especially suited for smooth woodwork such as windows, doors, window frames, guttering, and other outdoor details. The product contains film preserving agents, which combat surface fungi build-up on the substrate. Use as a system together with Visir Primer products.

Easy to apply with a long-lasting colour and shine. Good adhesive properties. Demidekk Ultimate Windows and Doors may be used on new woodwork and previously painted and stained woods as well as pressure impregnated wood. The product may also be used as a topcoat for plastic and metal objects if used with a suitable primer.

### 2. Hazards identification

The product is classified as dangerous according to Directive 1999/45/EC and its amendments.  
 May cause sensitisation by skin contact.



Irritant

### 3. Composition/information on ingredients

Substances presenting a health or environmental hazard within the meaning of the Dangerous Substances Directive 67/548/EEC.

Product/ingredient name	Identifiers	%	Classification		Type	Notes
			67/548/EEC	Regulation (EC) No. 1272/2008 [CLP]		
Propylene glycol	EC: 200-338-0 CAS: 57-55-6	1-5	Not classified.	Not classified.	[2]	-
2-butoxyethanol	EC: 203-905-0 CAS: 111-76-2 Index: 603-014-00-0	1-3	Xn; R20/21/22 Xi; R36/38	Acute Tox. 4, H302 Acute Tox. 4, H312 Acute Tox. 4, H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319	[1] [2]	-
4,5-dichloro-2-octyl-2H-isothiazol-3-one	EC: 264-843-8 CAS: 64359-81-5	0,01-0,25	Xn; R21/22 C; R34 Xi; R37 R43 N; R50	Acute Tox. 4, H302 Acute Tox. 4, H312 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 STOT SE 3, H335 Aquatic Acute 1,	[1]	-

## Demidekk Ultimate Windows and Doors

			<b>See section 16 for the full text of the R-phrases declared above</b>	H400 <b>See Section 16 for the full text of the H statements declared above.</b>		
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### Type

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

[3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII

[4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII

**Occupational exposure limits, if available, are listed in Section 8.**

## 4. First-aid measures

### First-aid measures

- General** : In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and seek medical advice.
- Inhalation** : Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.
- Skin contact** : Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.
- Eye contact** : Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek immediate medical attention.
- Ingestion** : If swallowed, seek medical advice immediately and show the container or label. Keep person warm and at rest. Do not induce vomiting.

## 5. Fire-fighting measures

- Extinguishing media** : Recommended: alcohol-resistant foam, CO<sub>2</sub>, powders, water spray.
- Extinguishing media not to be used** : Do not use water jet.
- Recommendations** : Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard. Appropriate breathing apparatus may be required. Cool closed containers exposed to fire with water. Do not release runoff from fire to drains or watercourses.

## 6. Accidental release measures

- Personal precautions** : Exclude sources of ignition and ventilate the area. Avoid breathing vapour or mist. Refer to protective measures listed in sections 7 and 8.
- Spill** : Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Preferably clean with a detergent. Avoid using solvents.

**Note: see section 8 for personal protective equipment and section 13 for waste disposal.**

## 7. Handling and storage

- Handling** : Due to the organic solvents content of the preparation:
- Prevent the creation of flammable or explosive concentrations of vapours in air and avoid vapour concentrations higher than the occupational exposure limits. In addition, the product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Electrical equipment should be protected to the appropriate standard. Keep away from heat, sparks and flame. No sparking tools should be used. Avoid contact with skin and eyes. Avoid the inhalation of dust, particulates, spray or mist arising from the application of this preparation. Avoid inhalation of dust from sanding. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Put on appropriate personal protective equipment (see Section 8). Never use pressure to empty. Container is not a pressure vessel.

Always keep in containers made from the same material as the original one.  
Comply with the health and safety at work laws.

**Information on fire and explosion protection**

Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air.

When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits.

**Storage**

: Store in accordance with local regulations.

**Notes on joint storage**

Keep away from: oxidising agents, strong alkalis, strong acids.

**Additional information on storage conditions**

Observe label precautions. Store in a dry, cool and well-ventilated area. Keep away from heat and direct sunlight.

Due to the organic solvents content of the preparation:

Keep container tightly closed.

Keep away from sources of ignition. No smoking. Prevent unauthorised access.

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

**8. Exposure controls/personal protection**

**Engineering measures**

: Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapours below the OEL, suitable respiratory protection must be worn.

	<u>Occupational exposure limits</u>
Propylene glycol	<b>EH40/2005 WELs (United Kingdom (UK), 8/2007).</b> TWA: 10 mg/m <sup>3</sup> 8 hour(s). Form: Particulate TWA: 474 mg/m <sup>3</sup> 8 hour(s). Form: Sum of vapour and particulates
2-butoxyethanol	<b>EH40/2005 WELs (United Kingdom (UK), 8/2007). Absorbed through skin.</b> STEL: 50 ppm 15 minute(s). TWA: 25 ppm 8 hour(s).

**Personal protective equipment**

**Respiratory system**

: If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators. Use respiratory mask with charcoal and dust filter when spraying this product.(as filter combination A2-P2). In confined spaces, use compressed-air or fresh-air respiratory equipment. When use of roller or brush, consider use of charcoalfilter.

**Skin and body**

: Personnel should wear antistatic clothing made of natural fibres or of high-temperature-resistant synthetic fibres.

**Hands**

: For prolonged or repeated handling, use the following type of gloves: gloves: nitrile, neoprene, latex rubber.

Barrier creams may help to protect the exposed areas of the skin but should not be applied once exposure has occurred.

For right choice of glove materials, with focus on chemical resistance and time of penetration, seek advice by the supplier of chemical resistant gloves.

The user must check that the final choice of type of glove selected for handling this product is the most appropriate and takes into account the particular conditions of use, as included in the user's risk assessment.

**Eyes**

: Use safety eyewear designed to protect against splash of liquids.

## 9. Physical and chemical properties

<b>Physical state</b>	: Liquid.
<b>Odour</b>	: Characteristic.
<b>Colour</b>	: Various colours.
<b>Density</b>	: 1.28 g/cm <sup>3</sup>
<b>Explosion limits</b>	: 1.1 - 12.5%
<b>Solubility</b>	: Easily soluble in the following materials: cold water and hot water.

## 10. Stability and reactivity

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

Hazardous decomposition products: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

Keep away from the following materials to prevent strong exothermic reactions: oxidising agents, strong alkalis, strong acids.

## 11. Toxicological information

There is no data available on the preparation itself. The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and classified for toxicological hazards accordingly. See sections 2 and 15 for details.

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness.

Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin, resulting in non-allergic contact dermatitis and absorption through the skin.

If splashed in the eyes, the liquid may cause irritation and reversible damage.

This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

Contains 4,5-dichloro-2-octyl-2H-isothiazol-3-one. May produce an allergic reaction.

## 12. Ecological information

There is no data available on the preparation itself.  
Do not allow to enter drains or watercourses.

The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and is not classified as dangerous for the environment but contains a substance or substances dangerous for the environment. See section 2 for details.

### Aquatic ecotoxicity

<b>Product/ingredient name</b>	<b>Test</b>	<b>Result</b>	<b>Species</b>	<b>Exposure</b>
4,5-dichloro-2-n-octyl-4-isothiazolin-3-one	-	Acute EC50 0,0052 mg/l	Crustaceans - Daphnia - Daphnia magna	48 hours
	-	Acute LC50 0,0027 mg/l	Fish - Trout - Onchorhynchus mykiss	96 hours

## 13. Disposal considerations

Do not allow to enter drains or watercourses. Material and/or container must be disposed of as hazardous waste.

**European waste catalogue (EWC)** : 08 01 11\* Waste paint and varnish containing organic solvents or other dangerous substances. If this product is mixed with other wastes, this code may no longer apply. If mixed with other wastes, the appropriate code should be assigned. For further information, contact your local waste authority.

## 14. Transport information

**Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

This preparation is not classified as dangerous according to international transport regulations (ADR/RID, IMDG or ICAO/IATA).

## 15. Regulatory information

**EU regulations** : The product is classified and labelled for supply in accordance with the Directive 1999/45/EC as follows:

**Hazard symbol or symbols** :



Irritant

**Risk phrases** : R43- May cause sensitisation by skin contact.

**Safety phrases** : S2- Keep out of the reach of children.  
S23- Do not breathe spray.  
S24- Avoid contact with skin.  
S37- Wear suitable gloves.  
S46- If swallowed, seek medical advice immediately and show this container or label.  
S51- Use only in well-ventilated areas.

**Contains** : 4,5-dichloro-2-n-octyl-4-isothiazolin-3-one

## 16. Other information

**CEPE Classification** : 2

**Full text of abbreviated H statements** : H302 Harmful if swallowed.  
H312 Harmful in contact with skin.  
H314 Causes severe skin burns and eye damage.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.  
H332 Harmful if inhaled.  
H335 May cause respiratory irritation.  
H400 Very toxic to aquatic life.

**Full text of abbreviated R phrases** : R20/21/22- Harmful by inhalation, in contact with skin and if swallowed.  
R21/22- Harmful in contact with skin and if swallowed.  
R34- Causes burns.  
R37- Irritating to respiratory system.  
R36/38- Irritating to eyes and skin.  
R43- May cause sensitisation by skin contact.  
R50- Very toxic to aquatic organisms.

This Safety Data Sheet is prepared in accordance with Annex II to Regulation (EC) No 1907/2006.

**Date of issue** : 27.01.2011.

**Version** : 1.01

Indicates information that has changed from previously issued version.

### Notice to reader

*The information in this SDS is based on the present state of our knowledge and on current laws. The product is not to be used for purposes other than those specified under section 1 without first obtaining written handling instructions. It is always the responsibility of the user to take all necessary steps to fulfil the demands set out in the local rules and legislation. The information in this SDS is meant to be a description of the safety requirements for our product. It is not to be considered a guarantee of the product's properties.*