

SAFETY DATA SHEET



Demidekk Ultimate opaque coating

1. Identification of the preparation and of the company

Product name and/or code : Demidekk Ultimate opaque coating

Label No. : 10167

Supplier/Manufacturer : Jotun Paints (Europe) Ltd.
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Emergency telephone number : Contact National Poison Centre via Hospital or Registered Medical Practitioner

Product use : Coatings: Demidekk Ultimate Opaque Coating is an opaque, water-borne wood stain for exterior use, based on the AMA (Alkyd Modified Acrylics) technology. The combination of top quality binders and high contents of pigments protects the wood against the destructive effect of the sunlight, and offers an excellent weather resistance.

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.

Chemical name*	Notes	CAS number	EC number	% by weight	Classification
Propylene glycol	-	57-55-6	200-338-0	1 - 2.5	Not classified. Xn; R21/22 C; R34 Xi; R37 R43 N; R50
4,5-dichloro-2-n-octyl-4-isothiazolin-3-one	-	64359-81-5	264-843-8	0.1 - 1	
See section 16 for the full text of the R-phrases declared above					

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.
- 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, CO₂, 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** : Avoid breathing vapour or mist. Refer to protective measures listed in sections 7 and 8. 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).
- Spill** : 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** : Keep container tightly closed.
Avoid contact with skin and eyes. Avoid inhalation of vapour, spray or mist. 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.
- 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. Store in a dry, cool and well-ventilated area. Keep away from: oxidising agents, strong alkalis, strong acids.
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.

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Ingredient name

Propylene glycol

Occupational exposure limits

EH40/2005 WELs (United Kingdom (UK), 8/2007).

TWA: 10 mg/m³ 8 hour(s). Form: Particulate

TWA: 474 mg/m³ 8 hour(s). Form: Sum of vapour and particulates

TWA: 150 ppm 8 hour(s). Form: Sum of vapour and particulates

Personal protective equipment

Respiratory system

: If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators. By spraying : particulate filter (FFP2 / N95). In confined spaces, use compressed-air or fresh-air respiratory equipment.

Hands

: Wear suitable gloves.

Recommended, gloves(breakthrough time) > 8 hours: nitrile rubber, butyl rubber, Viton, 4H

Not recommended, gloves(breakthrough time) < 1 hour: polyvinyl alcohol (PVA)

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

Physical state

: Liquid.

Odour

: Characteristic.

Colour

: Various colours.

Density

: 1.25 g/cm³

Explosion limits

: 2.6 - 12.6%

Ingredient name

: 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.

Prolonged or repeated contact with skin or mucous membrane may result in irritation symptoms, such as redness, blistering, dermatitis etc.

May cause allergic skin reactions with repeated exposure. If splashed in the eyes, the liquid may cause irritation and reversible damage. The inhalation of airborne droplets or aerosols may cause irritation of the respiratory tract. Swallowing may cause nausea, diarrhoea and vomiting.

Contains: 4,5-dichloro-2-n-octyl-4-isothiazolin-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

Product/ingredient name

Test

Result

Species

Exposure

Date of issue

: 05.02.2010.

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4,5-dichloro-2-n-octyl-4-isothiazolin-3-one	-	Acute EC50 0,0052 mg/l	Crustaceans - 48 hours Daphnia - Daphnia magna
	-	Acute LC50 0,0027 mg/l	Fish - Trout - 96 hours Onchorhynchus mykiss

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 : 7

Full text of R-phrases referred to in sections 2 and 3 - United Kingdom (UK) : R21/22- Harmful in contact with skin and if swallowed.
R34- Causes burns.
R37- Irritating to respiratory system.
R43- May cause sensitisation by skin contact.
R50- Very toxic to aquatic organisms.

The information in this Safety Data Sheet is required pursuant to EU Directive 91/155/EEC and its amendments.

Date of issue : 05.02.2010.

Version : 2.01

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.