

Yangzhou Sunchem Co.,Ltd.

Material Safety Data Sheet

4,5-dichloro-2-n-octyl-3-isothiazolone (DCOIT)

1. Identification of the preparation and of the company

Product name and/or code : Demidekk Ultimate opaque coating

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.

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*	CAS number	EC number	% by weight
Propylene glycol	57-55-6	200-338-0	1 - 2.5
4,5-dichloro-2-n-octyl-4-isothiazolin-3-one	64359-81-5	264-843-8	0.1 - 1

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.

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.

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.

Ingredient name Occupational exposure limits

Propylene glycol **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.

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:

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

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall sunchem be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if sunchem has been advised of the possibility of such damages.