

SECTION 1	IDENTITY OF SUBSTANCE OR PREPARATION & COMPANY
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COMPANY/UNDERTAKING: Kair Ventilation Limited 1st Floor, 9-11 Sidcup High Street, Sidcup, Kent DA14 6EN

PRODUCT NAME: KAIR ANTI MOULD PAINT

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

Use of substance / preparation:

BIOCIDAL DECORATIVE PAINT FOR AMATEUR AND PROFESSIONAL USE AGAINST MOULD FUNGI ON INTERNAL AND EXTERNAL SURFACES SUCH AS MASONRY OR TILES

1.3 Details of the supplier of the safety data sheet

Kair Ventilation Limited 1st Floor, 9-11 Sidcup High Street, Sidcup, Kent DA14 6EN
www.kair.co.uk

SECTION 2	HAZARD IDENTIFICATION
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2.1 Classification of the substance or mixture

Mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

2.2 Label elements

Labelling (GHS):



Signal Word: WARNING

Special identification instructions:

H317 – May cause an allergic skin reaction

H413 – May cause long-lasting harmful effects to the aquatic environment

EUH 208 – Contains 2-Octyl-2H-Isothiazoline-3-one: May produce an allergic reaction

EUH 401 – To avoid risks to human health and the environment comply with the instructions for use

2.3 Other hazards

P101 – If medical advice is needed, have product label or container to hand

P102 – Keep out of reach of children

P233 + P234 – Keep in original container tightly closed

P260 – Do not breathe spray

P280 – Wear protective gloves

P302 + P352 – IF ON SKIN: Wash with plenty of soap and water

P333 + P313 – If skin irritation or rash occurs: Get medical advice/attention

P363 – Wash contaminated clothing before re use

P273 – Avoid release to the environment

P501 – Dispose of contents/container in accordance with local, regional or national regulations

Supplementary Statements according to Control of Pesticides Regulations (COPR) 1986

Wear protective gloves/protective clothing/eye protection. Dispose of contents/container in accordance with local/regional/national regulations

Avoid release to the environment

FOR USE ONLY AS A BIOCIDAL PAINT. FOR AMATEUR AND PROFESSIONAL USE

The Control of Substances hazardous to Health Regulations 2002 may apply to the use of this product at work

Engineering controls of operator exposure must be used where reasonably practicable.

Do not breathe spray

AVOID EXCESSIVE CONTAMINATION OF COVERALLS AND LAUNDEER REGULARLY. However, engineering controls may replace personal protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection.

DO NOT CONTAMINATE FOODSTUFFS, EATING UTENSILS, OR FOOD CONTACT SURFACES.

KEEP AWAY FROM TREATED SURFACES UNTIL DRY

COVER WATER STORAGE TANKS before application. Do not empty into drains. **DO NOT USE NEAR DRAINS, PREVENT SURFACE RUN-OFF FROM ENTERING DRAINS. REMOVE OR COVER FISH TANKS AND BOWLS** before application.

Avoid release to the environment. Refer to safety data sheet.

APPLICATION BY BRUSH OR ROLLER: APPLY 1 LITRE OF PRODUCT PER 10 TO 12 m² /litre Apply 2 (two) coats for full opacity and treatment

WASH ANY CONTAMINATION FROM SKIN AND EYES IMMEDIATELY.

This product contains substances known to be hazardous to the environment. Do not contaminate ground, waterbodies or watercourses with chemicals or used container.

USE ONLY IN ACCORDANCE WITH THE DIRECTIONS ON THE LABEL

Contains: 2-Octyl-2H-Isothiazol-3-one. 0.12% w/w (1.7g/l)

READ ALL PRECAUTIONS BEFORE USE

HSE No. 10900

THIS PRODUCT IS APPROVED IN UK UNDER THE CONTROL OF PESTICIDES REGULATIONS 1986 FOR USE AS DIRECTED

HSE No 6308

BIOCIDAL PAINT FOR PROFESSIONAL APPLICATION. TO CONTROL MOULD FUNGI ON INTERNAL AND EXTERNAL SURFACES SUCH AS TILES AND MASONRY.

EU VOC Limit (Cat A/i) 2010: 140g/l. This product contains 58g/l

SECTION 3	COMPOSITION/INFORMATION ON INGREDIENTS
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3.1 Substances

Not Applicable

3.2 Mixtures

Product/ingredient	Identifier	% in preparation	R-Phrase (CLP)
2-Octyl-2H-Isothiazoline-3-one	26530-20-1	>1.0%	H332 – Harmful if inhaled H314 – Causes severe skin burns and eye damage H317 – May cause an allergic skin reaction H400 – Very toxic to aquatic life

3.2.1 Chemical characterization (preparation)

Biocidal Paint

SECTION 4	FIRST AID MEASURES
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4.1 Description of first aid measures**General information:**

In case of accident or if you feel unwell seek medical advice (show label or SDS where possible).

After 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

After contact with the skin:

Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.

After contact with the eyes:

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.

After swallowing:

Do not induce vomiting. Rinse mouth with clean water and seek medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Any relevant information can be found in other parts of this section.

4.3 Indication of any immediate medical attention and special treatment needed

There are no data available on the mixture itself.

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 2-Octyl-2H-Isothiazoline-3-one. May produce an allergic reaction.

SECTION 5	FIRE FIGHTING MEASURES	EAC -
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5.1 Extinguishing media**Suitable extinguishing media:**

Use extinguishing media suitable for the surrounding fire

Extinguishing media which must not be used for safety reasons:

Do not use waterjet

5.2 Special hazards arising from the substance or mixture

Fire will produce dense black smoke. Hazardous decomposition products: carbon Monoxide, carbon dioxide and oxides of nitrogen.

Do not allow extinguishing water to enter sewerage, the soil or inshore waters. Cool closed containers exposed to fire with water. Do not release runoff from fire to drains or watercourses. Heating of unbroken containers may lead to pressure rise with the subsequent risk of bursting. Keep containers that are exposed to fire cool by spraying with water.

5.3 Advice for firefighters**Special protective equipment for fire fighting:**

Appropriate breathing apparatus may be required. Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen

SECTION 6	ACCIDENTAL RELEASE / SPILLAGE CONTROL MEASURES
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6.1 Personal precautions, protective equipment and emergency procedures

Wearing personal protection equipment (see section 8), but without taking risks, shut-off the source of the leak or invert containers with the leak uppermost. Keep unprotected persons away. Avoid contact with eyes and skin. Avoid inhaling spray mists. If material is released indicate risk of slipping.

6.2 Environmental precautions

Prevent material from entering surface waters, drains or sewers and soil. Contain any fluid that runs out using suitable material (e.g. earth). Retain contaminated water/extinguishing water. Dispose of in prescribed marked containers.

6.3 Methods and material for containment and cleaning up

Do not flush away with water. For small amounts: Absorb with a liquid binding material such as diatomaceous earth, vermiculite or dry sand. Place into a suitable, labelled container and store in a safe place. Dispose of according to local regulations. Clean any slippery coating that remains using a detergent / soap solution or another biodegradable cleaner. Any remaining material, once fully cured can be disposed of as inert industrial waste.

Further information:**6.4 Reference to other sections**

Relevant information in other sections has to be considered. This applies in particular for information given on personal protective equipment (section 8) and on disposal (section 13).

SECTION 7**HANDLING AND STORAGE****7.1 Precautions for safe handling****General information:**

No specific information. Store apart from food, drink and animal feedstuffs

Precautions for safe handling:

Wear suitable gloves and eye/face protection. Observe the safety precautions listed in section 2.3

Precautions against fire and explosion:**7.2 Conditions for safe storage, including any incompatibilities****Conditions for storage rooms and vessels:**

Store apart from strong oxidizing agents acids and bases. Reseal containers tightly after use

Advice for storage of incompatible materials:

None

Further information for storage:

Minimum temperature allowed during storage and transportation: 5 °C

Do not allow product to freeze

Maximum temperature allowed during storage and transportation: 45 °C

7.3 Specific end use(s)

Biocidal Paint for use on interior and exterior surfaces such as masonry and tiles

SECTION 8**EXPOSURE CONTROLS/PPE****8.1 Control parameters****Maximum airborne concentrations at the workplace:**

There is no data available on the product itself.

8.2 Exposure controls**8.2.1 Exposure in the work place limited and controlled****General protection and hygiene measures:**

Use in well ventilated areas. Ensure good ventilation in the working area otherwise provide local exhaust ventilation to maintain particulate concentrations below the OEL. Dry sanding, grinding, flame cutting or welding of the dry paint film will give rise to hazardous particulate or vapours. Use wet sanding or flatting

Personal protection equipment:**Respiratory protection:**

If Spraying: Type A cartridge respirator with particulate filter (EN141)

Hand protection

Nitrile rubber protective glove suitable for up to 60 minutes use for prolonged or repeated handling.

Eye protection

Safety glasses with side shields are recommended (EN166)

Body Protection

Wear suitable overalls or long-sleeved shirt (EN467).

8.2.2 Exposure to the environment limited and controlled

Prevent material from entering surface waters and soil.

SECTION 9**PHYSICAL / CHEMICAL PROPERTIES****9.1 Information on basic physical and chemical properties****General information:**

Physical state / form.....: semi-liquid

Colour: white or coloured

Odour: slight

Important information about the protection of health, safety and the environment:**Property:****Value:****Method:**

Melting point / melting range: 1 °C

Boiling point / boiling range: 100 °C

Flash point.....: Not determined

Sustained combustibility.....: Not applicable

Ignition temperature: Not determined

Lower explosion limit (LEL): No data available

Upper explosion limit (UEL).....: No data available

Vapour pressure.....: No data available

Density: 1.36 – 1.38 g/cm³ WPG Pycnometer - ACS

Water solubility / miscibility.....: completely miscible

pH-Value: approx. 6-8

Viscosity (dynamic): approx. 5500 - 6500 mPa.s at 25 °C

9.2 Other information

None

SECTION 10**STABILITY AND REACTIVITY****10.1 – 10.3 Reactivity; Chemical stability; Possibility of hazardous reactions**

If stored and handled in accordance with standard industrial practices no hazardous reactions are known. Relevant information can possibly be found in other parts of this section.

10.4 Conditions to avoid

None known.

10.5 Incompatible materials

May react with: acids and alkalis.

10.6 Hazardous decomposition products

None Known

SECTION 11**TOXICOLOGICAL INFORMATION****11.1 Information on toxicological effects**LD₅₀ of Ai (>1% in preparation)

Oral - 2200mg/kg RAT (Thor)

Dermal - >2000 mg/kg RAT

Inhalation – LC₅₀ 4 hour 1.7mg/l RAT**11.1.1 Acute toxicity****Assessment:**

No data on acute inhalation toxicity is available for this product. In case of aerosol formation do not breathe spraymist

Acute toxicity estimate (ATE):

For this endpoint no toxicological test data is available for the whole product

11.1.2 Skin corrosion/irritation**Assessment:**

May cause skin irritation

11.1.3 Serious eye damage / eye irritation**Assessment:**

May cause eye irritation.

11.1.4 Respiratory or skin sensitization**Assessment:**

Contains 2-Octyl-2H-Isothiazoline-3-one. May cause an allergic reaction

11.1.5 Germ cell mutagenicity**Assessment:**

For this endpoint no toxicological test data is available for the whole product.

11.1.6 Carcinogenicity**Assessment:**

For this endpoint no toxicological test data is available for the whole product. Product contains no recognized carcinogenic material

11.1.7 Reproductive toxicity**Assessment:**

For this endpoint no toxicological test data is available for the whole product. Product contains no recognized reprotoxicant material

11.1.8 Specific target organ toxicity (single exposure)**Assessment:**

For this endpoint no toxicological test data is available for the whole product.

11.1.9 Specific target organ toxicity (repeated exposure)**Assessment:**

For this endpoint no toxicological test data is available for the whole product.

11.1.10 Aspiration hazard**Assessment:**

For this endpoint no toxicological test data is available for the whole product.

11.1.11 Further toxicological information

There is no evidence of carcinogenicity.

SECTION 12**ECOLOGICAL INFORMATION****12.1 Toxicity****Assessment:**

There is no data available on the product itself.

According to current knowledge adverse effects on water purification plants are not expected.

Information on the active component

LC₅₀ Ai (<1% in preparation) (Thor)

ECO/48hr: 0.32 mg/l (Ai) Daphnia

EC₅₀: 30.2mg/l (Activated sludge organisms)

Avoid release to the environment. Prevent surface run-off from entering drains and do not contaminate ponds, watercourses or ditches with waste, product or used containers

12.2 Persistence and degradability**Assessment:**

The product contains no materials known to be persistent in soil.

12.3 Bioaccumulative potential

Assessment:

Bioaccumulation is not expected to occur

12.4 Mobility in soil

Assessment:

Separation by sedimentation.

12.5 Results of PBT and vPvB assessment

The product contains no materials assessed as PBT or vPBT.

12.6 Other adverse effects

None known

SECTION 13

WASTE DISPOSAL

13.1 Waste treatment methods

13.1.1 Material

Recommendation:

Dispose of according to regulations by incineration in a special waste incinerator. Otherwise cured product may be disposed of as inert industrial waste by landfill.

13.1.2 Un-cleaned packaging

Recommendation:

Completely discharge containers (no liquid residues, scraped carefully – allow contents to dry thoroughly). Containers may be recycled or re-used. Observe local/regional or national regulations.

13.1.3 Waste Disposal Legislation Ref No. (EC) - UK.

Dispose of in accordance with The Environmental Protection Act 1990, at a waste treatment site approved and licensed by the local authority and operated by an approved, competent and licensed waste disposal contractor.

Duty of care waste transfer form should specify: EWC (European Waste Code): N/A

SECTION 14

TRANSPORT PRECAUTIONS

14.1 – 14.4 UN number; UN proper shipping name; Transport hazard class(es); Packing group

Road ADR:

Valuation: Not classified as hazardous

Railway RID:

Valuation: Not classified as hazardous

Transport by sea IMDG-Code:

Valuation: Not classified as hazardous

Air transport ICAO-TI/IATA-DGR:

Valuation: Not classified as hazardous

14.5 Environmental hazards

None Known

14.6 Special precautions for user

None Known

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Bulk transport in tankers is not intended.

SECTION 15

REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

National and local regulations must be observed.

For information on labelling please refer to section 2 of this document.

Relevant regulations:

SI 2002/1689: CHIP Regulations 2002

SI 2002/2677: COSHH Regulations 2002

SI 1999/3242: Management of Health & Safety at Work Regulations 1999

Health & Safety at Work Act 1974

SI 1993/1643: Environmental Protection Act 1993 & Subsidiary Regulations.

Other national and local measures relating to the workplace, pollution control, environmental protection and waste control.

15.2 Chemical safety assessment

A chemical safety assessment according to (EC) regulation 1907/2006 (REACH) has not been carried out for this product.

SECTION 16

OTHER INFORMATION

Key to risk phrases used in section 2.

H317 – May cause an allergic skin reaction

H413 – May cause long-lasting harmful effects to the aquatic environment

EUH 208 – Contains 2-Octyl-2H-Isothiazoline-3-one: May produce an allergic reaction

EUH 401 – To avoid risks to human health and the environment comply with the instructions for use

EUH statement = CLP-specific Hazard statement
PBT = Persistent and Bioaccumulative
vPvB = Very Persistent and Very Bioaccumulative

Further reading:

L25 – Personal Protective Equipment at Work
EH/40 – Occupational Exposure Limits (revised annually)
The Health & Safety at Work Act 1974
HSG206 – Cost Effectiveness of Chemical Protective Gloves for the Workplace
HSG53 – The Selection, Use and Maintenance of Respiratory Protective Equipment
The Environmental Protection Act 1990
The Collection and Disposal of Waste Regulations
L5 – The Control of Substances Hazardous to Health Regulations 2003 Approved Code of Practice

Information on these and other relevant publications may be found by contacting the following:

E-mail: hsebooks@prologue.uk.com or www.hsebooks.co.uk

Alternatively, most Approved Codes of practice are now available to download for free: visit www.hse.gov.uk or www.businesslink.gov.uk and click on 'Workplace Health and safety'

Or write to: HSE Books, P.O. Box 1999, Sudbury, Suffolk CO10 2WA (Tel: 01787-881165) and obtain a free copy of the HSE Books catalogue.

The Health and safety Executive can also keep you regularly updated with new legislation and HSE news by going to:

www.hse.gov.uk and following the links to the e-Bulletins

THE FOLLOWING SECTIONS SHOW CHANGED OR AMENDED INFORMATION:

Revised: Sections 8&9 (underlined)

COMPILED BY: P Parton

DATE: January 2023

NOTICE TO CUSTOMER:

ENSURE ALL POTENTIAL USERS OF THIS PRODUCT ARE AWARE OF THIS SDS PRIOR TO THE PRODUCT'S USE.

KEEP SDS IN A SAFE PLACE READILY LOCATABLE IN CASE OF FUTURE USE.

READ THIS SDS IN CONJUNCTION WITH ANY LABEL AND DIRECTIONS FOR USE ON THE PRODUCT CONTAINER.

DESTROY ALL OBSOLETE COPIES RELATING TO THIS PRODUCT.

THIS SDS RELATES ONLY TO THE PRODUCT SPECIFIED.

COPIES OF THIS DOCUMENT ARE AVAILABLE ON REQUEST.

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