

SECTION 1 IDENTITY OF SUBSTANCE & COMPANY

COMPANY/UNDERTAKING: Kair Ventilation Limited
Unit 6, Chiltonian Industrial Estate
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PRODUCT NAME: KAIR® MOULD ERADICATION ADDITIVE **HSE No 9360**

DESCRIPTION: BIOCIDAL ADDITIVE FOR DECORATIVE PAINTS, WALLPAPER PASTE AND GROUT TO PREVENT MOULD GROWTH ON THE DRY FILM

SECTION 2 COMPOSITION/INFORMATION ON COMPONENTS

Substances in the preparation that require classification under The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (CHIPS 4) or for which workplace exposure limits have been set.

SUBSTANCE	CAS No	Level in preparation	Risk Symbol	R-Phrase(s)
3-Iodo-2-Propynyl-N-Butyl Carbamate	55406-53-6	15.0%	Xn, Xi, N	20/22, 41, 50
Inert ingredients		85.0%		

SECTION 3 HAZARD IDENTIFICATION

Classification of the preparation in accordance with The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (CHIPS 4) and The Control of Pesticides Regulations (as amended) 1997.

RISK OF SERIOUS DAMAGE TO EYES
VERY TOXIC TO AQUATIC ORGANISMS

SECTION 4 FIRST AID MEASURES

SWALLOWING: Rinse mouth with clean water. Administer clean water to drink. Do not induce vomiting – seek medical attention immediately. Do not administer liquids to an unconscious person.

EYES: Flush with clean water or proprietary eyewash for at least 15 minutes and seek medical attention immediately

INHALATION: Remove patient to fresh air keep warm and rested. Seek medical attention if symptoms attributable to this product occur.

SKIN: Remove contaminated clothing and wash affected areas with soap and water – do not use solvents. Launder contaminated clothing before re-use. Seek medical attention if irritation occurs.

SECTION 5 FIRE FIGHTING MEASURES EAC -

EXTINGUISHING MEDIA: Foam, dry chemical, waterfog, spray or jet.

PPE FIRE: Self contained breathing apparatus, chemical resistant boots, gloves and eye/face protection.

PRODUCTS OF COMBUSTION: Oxides of carbon, nitrogen and trace halogenated compounds

PPE SPILLAGE: Respiratory protection, chemical resistant boots, gloves and eye/face protection

OTHER INFORMATION (FIRE)

None

SECTION 6 ACCIDENTAL RELEASE / SPILLAGE CONTROL MEASURES

Without taking personal risk and wearing suitable personal protective equipment, exclude all sources of ignition and shut-off or remove the source of the leak or invert leaking containers with the damage uppermost. Adsorb spillage with sand, dry earth, vermiculite or similar non-combustible material and place into a suitable re-sealable container (HDPE, steel or tinplate). Mark or label the container with the contents and place into a suitable safe area to await disposal.

Do not allow product, waste or run-off to enter drains, waterways or ditches. If contamination occurs inform the Police, Fire Brigade or Environment Agency immediately.
Contaminated soil should be completely removed and sent for appropriate treatment.

SECTION 7 HANDLING AND STORAGE

Store in dry conditions, in original, labeled container, tightly closed, in a safe place out of reach of children and apart from food, drink and animal feedingstuffs. **NEVER STORE THIS PRODUCT OR ANY OTHER CHEMICAL IN A DRINK OR FOOD CONTAINER – EVEN IF CORRECTLY LABELLED.** Wear suitable gloves (Neoprene/PVC, Nitrile or similar), coveralls and eye/face protection. Wash hands and exposed skin before meals and after work

SECTION 8 EXPOSURE CONTROLS/PPE

This product is packed in a container fitted with a child resistant closure (CRC). When opening, place on to a horizontal surface, hold the body of the container firmly on one hand and, keeping the container upright, with the other hand, push down and twist the closure in accordance with the directions on the cap. Do not open the container on or mix or apply the product to a surface used to prepare, store or eat food.

Keep unprotected persons and pets away from treated surfaces until dry. Use suitable CE marked gloves (Neoprene/PVC or similar), eye/face protection and coveralls. Wear suitable respiratory protection of spraying.

Engineering control of operator exposure may replace PPE if it can be shown to provide an equal or higher degree of protection.

Wash hands and exposed skin before meals and after work. When using, do not eat, drink or smoke.

3-Iodo-2-Propnyly-N-Butyl Carbamate is a compound, which exhibits weak anticholinesterase activity. Do not use this product if you are under medical advice not to work with anticholinesterase compounds.

SECTION 9 PHYSICAL/CHEMICAL PROPERTIES

APPEARANCE:	Clear/Amber liquid
ODOUR:	Mild to none
FLASHPOINT:	>100°C
AUTO IGNITION TEMPERATURE	>300°C
OXIDIZING PROPERTIES:	None known
pH:	6.93 (Thor)
DENSITY	0.98 – 1.2g/ml
BOILING POINT:	>185°C
MELTING POINT:	Not Applicable
EXPLOSIVE PROPERTIES:	None known
VAPOUR PRESSURE:	Not known
SOLUBILITY IN WATER:	Partially soluble
SOLUBILITY IN SOLVENT:	Partially soluble (SPECIFY SOLVENT): Most hydrocarbons
PARTITION COEFFICIENT (n-Octanol/Water):	Not known

OTHER INFORMATION

None

SECTION 10 STABILITY AND REACTIVITY

Stable and non reactive under normal conditions of use and storage.

ADDITIVE

INCOMPATIBLE SUBSTANCES

Strong oxidizing agents and alkalis.

SECTION 11 TOXICOLOGICAL INFORMATION

LD₅₀ & LC₅₀ values for components listed in section 2.

Component	Test	Result	Route	Target Species
3-iodo-2-propynyl-N-butyl Carbamate	LD ₅₀	4100mg/kg	Oral	Rat
3-iodo-2-propynyl-N-butyl Carbamate	LD ₅₀	2000mg/kg	Dermal	Rat

EFFECTS OF ACUTE (OVER) EXPOSURE

- SKIN:** Reddening and irritation at the site of contact.
- EYES:** Severe irritation, stinging and watering. Risk of serious damage.
- INHALATION:** Possible respiratory irritation, with cough, nausea and headache.
- INGESTION:** Irritation (soreness) of the mouth and gastric tract. Stomach pain, nausea and vomiting.

No evidence of carcinogenicity, mutagenicity or reproductive toxicity. The active component in this product, may, if abused, cause damage to the kidneys, bladder and central nervous system (CNS).

SECTION 12 ECOLOGICAL INFORMATION

Toxic to aquatic organisms – may cause adverse effects in the aquatic environment. This product is readily absorbed into the soil. Avoid release to the environment - Do not contaminate ground, watercourses, ditches or ponds with waste, empty containers or product. Cover water storage tanks and remove fish tanks before application.

Ecotoxicity Data

Component	Test	Result	Period	Target Species
IPBC	LC ₅₀	0.16mg/l	48 Hours	Daphnia
IPBC	LC ₅₀	0.022mg/l	72 Hours	Scendensmus subsp.
IPBC	LC ₅₀	0.072mg/l	96 Hours	oncorhychus mykiss

SECTION 13 WASTE DISPOSAL

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. Empty, de-contaminated containers may be sent for re-cycling. Disposal may be by high-temperature incineration or recycling (distillation)

Duty of care waste transfer form should specify: EWC (European Waste Code): **16 03 05** Organic waste containing dangerous substances

SECTION 14 TRANSPORT PRECAUTIONS

- PACKAGING GROUP:** III
- HAZARD CLASS:** 9 – HIN 90
- UN No:** 3082 Environmentally hazardous substance, liquid N.O.S.
- TREM CARD No:** 90GM6-III
- OTHER INFORMATION:** In mixed loads stow apart from food, drink and animal feeding stuffs.
Marine Pollutant



SECTION 15

REGULATORY INFORMATION

This product has been assessed and classified in accordance with The Chemicals (Hazard Information and Packaging for Supply) regulations 2009 (CHIPS 4) and The Control of Pesticides Regulations (as amended) 1997 (and Northern Ireland) and ascribed the following risk and safety phrases:

R-Phrase(s): R36 – Irritating to eyes
R41 – Risk of serious damage to eyes
R50 – Very toxic to aquatic organisms

S-Phrase(s) (Amateur Label)
Wear suitable protective clothing and suitable gloves. DO NOT CONTAMINATE FOODSTUFFS, EATING UTENSILS OR FOOD CONTACT SURFACES. This material and its container must be disposed of in a safe way. Avoid contact with eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. UNPROTECTED PERSONS AND ANIMALS SHOULD BE KEPT AWAY FROM TREATED SURFACES FOR 48 HOURS OR UNTIL SURFACES ARE DRY. Use only in well ventilated areas. COVERALL WATER STORAGE TANKS before application. DO NOT USE NEAR DRAINS AND PREVENT ANY SURFACE RUN-OFF FROM ENTERING DRAINS. REMOVE OR COVER FISH TANKS AND BOWLS before application. AVOID ALL CONTACT WITH PLANT LIFE. Do not empty into drains. Wear suitable eye/face protection (when diluting).

WASH ANY CONTAMINATION from skin or eyes immediately. WASH HANDS AND EXPOSED SKIN before meals and after work. Do not contaminate ground, water bodies or watercourses with chemicals or used container. Keep only in original container. Keep container tightly closed. KEEP IN A SAFE PLACE. Keep out of reach of children. If swallowed seek medical advice immediately and show the container of label.

3-IODO-2-PROPYNYL-N-BUTYL CARBAMATE is a carbamate compound, which has weak anticholinesterase activity. DO NOT USE if under medical advice not to work with anticholinesterase compounds.

Contact manufacturer for a copy of the text for professional label.



The Control of Substances Hazardous to Health Regulations 2003 will apply to the use of this product at work

SECTION 16

OTHER INFORMATION

Key to risk phrases used in section 2.

- 20 – Harmful by inhalation**
- 22 – Harmful if swallowed**
- 41 – Risk of serious damage to eyes**
- 50 – Very toxic to aquatic organisms**

Further reading:

- L9 – The Safe Use of Pesticides for Non-Agricultural Purposes
- 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
- HSG71 – The Storage of Packed Dangerous Substances
- 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

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:

New Issue

THIS INFORMATION IS HELD ON THE NPIS TOXBASE DATABASE

COMPILED BY: PAG

DATE: MARCH 2011

NOTICE TO CUSTOMER:

ENSURE ALL POTENTIAL USERS OF THIS PRODUCT ARE AWARE OF THIS SDS PRIOR TO 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.

THIS SAFETY DATA SHEET IS BASED ON THE BEST OF CURRENT INFORMATION AND ADVICE AVAILABLE TO US AND IS BELIEVED TO BE TRUE AND ACCURATE. NO LIABILITY CAN BE ACCEPTED FOR ANY LOSS, DAMAGE OR INJURY AS CONDITIONS OF USE ARE OUTSIDE OUR CONTROL. THIS IS NOT A TECHNICAL SPECIFICATION.