

SECTION 1 IDENTITY OF SUBSTANCE OR PREPARATION & COMPANY

COMPANY/UNDERTAKING: Kair® Ventilation Limited
 Unit 6, Chiltonian Industrial Estate,
 203, Manor Lane, Lee, London, SE12 0TX
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PRODUCT NAME: KAIR SURFACE CLEANSER CONCENTRATE HSE No 9361

DESCRIPTION: WATER DILUTABLE BIOCIDAL WASH FOR CLEANING SURFACES PRIOR TO RE-DECORATING WITH ANTIMOULD OR PROTECTED PAINTS

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.

CONTAINS:	R-SYMBOL	R-PHRASE	CAS No	% IN PREPARATION
Benzalkonium Chloride (benzyl-C8-18-alkyldimethyl, chlorides)	C, N	21/22-34-50	63449-41-2	8.0%
In aqueous medium and inerts				92.0%

SECTION 3 HAZARD IDENTIFICATION

Classification of the substance or 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.

IRRITATING TO EYES AND SKIN
 VERY TOXIC TO AQUATIC ORGANISMS

SECTION 4 FIRST AID MEASURES

SWALLOWING Do not induce vomiting. Rinse mouth with water and administer water to drink. Seek medical attention immediately. Never administer liquids by mouth to an unconscious person. If patient vomits, turn on to side to prevent material entering lungs.

EYES Rinse immediately with copious amounts of clean water or eyewash for at least 15 minutes and Seek medical attention immediately.

INHALATION Under normal conditions of use, this product does not constitute an inhalation hazard. If inhalation is considered a route of exposure, remove patient to fresh air, keep warm and rested and seek medical attention immediately.

SKIN Remove contaminated clothing and wash affected areas with soap and water or clean water if soap is not available. If irritation occurs, treat with Polyethylene glycol 400 and seek medical attention immediately. Launder contaminated clothing before re-use.

SECTION 5 FIRE FIGHTING MEASURES EAC - N/A

EXTINGUISHING MEDIA: Product is essentially non-combustible. Use extinguishing media suitable for surrounding fire

PPE FIRE: Self-contained breathing apparatus, chemical resistant gloves (Neoprene/PVC or Nitrile) and chemical resistant boots.

PRODUCTS OF COMBUSTION: Prolonged exposure to high temperatures may cause the water portion to evaporate and liberate oxides of Nitrogen, Hydrogen Chloride and carbon monoxide.

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

OTHER INFORMATION (FIRE)

None

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SECTION 6 ACCIDENTAL RELEASE / SPILLAGE CONTROL MEASURES

Without taking personal risk and wearing suitable personal protective equipment, 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 and place into a suitable re-sealable container (HDPE or plastic). Mark or label 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.

SECTION 7 HANDLING AND STORAGE

Wear suitable gloves (Neoprene/PVC, Nitrile or plastic), coveralls and eye/face protection. Store in original container, tightly closed, upright and out of reach of children. Store apart from food, drink and animal feedstuffs. Do not contaminate food contact surfaces or eating utensils. NEVER STORE THIS PRODUCT OR ANY OTHER CHEMICAL IN A FOOD OR DRINK CONTAINER, EVEN IF CORRECTLY LABELLED.
DO NOT MIX WITH ACIDIC CLEANERS.

SECTION 8 EXPOSURE CONTROLS/PPE

Wear suitable gloves (Neoprene/PVC or Nitrile), coveralls and eye/face protection. Keep the applicator head downwards to avoid product running down gloves and onto exposed skin. When using do not eat, drink or smoke and wash hands and exposed skin before meals and after work. Avoid excessive contamination of coveralls and launder after use. Keep unprotected persons and animals away from treated surfaces until dry.

SECTION 9 PHYSICAL/CHEMICAL PROPERTIES

APPEARANCE:	Clear liquid
ODOUR:	Slightly ammoniacal
pH:	Approximately 8
FLASHPOINT:	Not applicable
BOILING POINT:	100°C
AUTO IGNITION:	Not applicable
MELTING POINT:	Not applicable
EXPLOSIVE PROPERTIES:	None known
OXIDISING PROPERTIES:	None known
VAPOUR PRESSURE:	Not known
DENSITY:	Approximately 1.0
SOLUBILITY IN WATER:	Soluble
SOLUBILITY IN SOLVENT (SPECIFY SOLVENT):	Insoluble
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.

INCOMPATIBLE SUBSTANCES

Strong oxidizing agents and anionic compounds.

SECTION 11 TOXICOLOGICAL INFORMATION

LD₅₀ values for the active component (Quaternary Ammonium Compounds, Benzyl-C8-18-Alkyldimethyl ammonium, chlorides – 8.0% in the preparation)

LD₅₀ (Dermal – Rat) 600mg/kg - Thor

LD₅₀ (Oral – Rat) 1560mg/kg - Thor

EFFECTS OF ACUTE (OVER) EXPOSURE

SKIN: Reddening at the site of contact with possible irritation

EYES: Severe irritation, watering and stinging sensation, blurred vision.

INHALATION: Possible irritation of the mucous membranes and nasal passages. Possible cough

INGESTION: Possible irritation of the gastro-intestinal tract, nausea and vomiting. Aspiration of vomit into lungs is possible. Treat with activated carbon

SECTION 12 ECOLOGICAL INFORMATION

The active component (Quaternary Ammonium Compounds) is readily biodegradable (OECD 301D shows 60% degradation after 28 days).

All information relates to the active component.

Aquatic Toxicity

EC50/48hrs (Daphnia) – 0.016mg/litre

IC50/72hrs (Selenastrum capricornutum) – 0.020mg/litre

LC50/96hrs (Oncorhynchus mykiss) – 0.850mg/litre

Behaviour in sewerage treatment plant

EC10: - 4mg/litre Activated sludge organisms

log Pow – 0.5-1.58:

Avoid release to the environment. Do not contaminate ponds, waterways or ditches with chemical, waste or used containers. Do not empty into drains.

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.

Duty of Care waste transfer form should specify: European Waste Code (EWC) 16 03 05 Organic waste Containing Dangerous Substances

SECTION 14 TRANSPORT PRECAUTIONS

PACKAGING GROUP: III

HAZARD CLASS: 90 (SUB RISK 8)

UN No: 3082

TREM CARD No: For product

OTHER INFORMATION: In mixed loads stow apart from food, drink and animal feedstuffs. This information relates to the product carried in bulk



PRODUCT NAME: KAIR SURFACE CLEANSER CONCENTRATE**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 ascribed the following risk and safety phrases:

R-Phrase(s): R36/37 – Irritating to eyes and skin
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. Do not empty into drains. Wear suitable eye/face protection (when diluting). Avoid contact with skin. Avoid contact with eyes. In case of contact with eyes rinse immediately with plenty of water and seek medical advice. ENSURE THERE IS A PHYSICAL BARRIER TO PREVENT CONTACT BY UNPROTECTED PERSONS AND ANIMALS BEFORE TREATED SURFACE ARE DRY. COVER ALL WATER STORAGE TANKS before application. DO NOT USE NEAR DRAINS. PREVENT ANY SURFACE RUN-OFF FROM ENTERING DRAINS. REMOVE OR COVER FISH TANKS AND BOWLS before application. Do not contaminate ground, water bodies or watercourses with chemicals or used container.
Wash hands and exposed skin before meals and after use. Keep in original container. Keep tightly closed. KEEP IN A SAFE PLACE. Keep out of reach of children. If swallowed, seek medical attention immediately and show this container or label.

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



The Control of Substances Hazardous to Health Regulations 2002 will apply to this product if used at work
HSE No 8994

SECTION 16**OTHER INFORMATION**

Key to risk phrases used in section 2.

R21/22: Harmful in contact with skin and if swallowed
R34: Causes Burns
R50: Very toxic to aquatic organisms

This product is approved for amateur use as a surface biocide for use as directed on the label.

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

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.

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THE FOLLOWING SECTIONS SHOW CHANGED OR AMENDED INFORMATION:

New Issue

INFORMATION ON THIS PRODUCT 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.

THIS IS A NEW ISSUE