

**SECTION 1 IDENTITY OF SUBSTANCE OR PREPARATION & COMPANY**

**COMPANY/UNDERTAKING:** Kair Ventilation Limited  
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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**

<b>SWALLOWING</b>	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.
<b>EYES</b>	Rinse immediately with copious amounts of clean water or eyewash for at least 15 minutes and Seek medical attention immediately.
<b>INHALATION</b>	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.
<b>SKIN</b>	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**

<b>EXTINGUISHING MEDIA:</b>	Product is essentially non-combustible. Use extinguishing media suitable for surrounding fire
<b>PPE FIRE:</b>	Self-contained breathing apparatus, chemical resistant gloves (Neoprene/PVC or Nitrile) and chemical resistant boots.
<b>PRODUCTS OF COMBUSTION:</b>	Prolonged exposure to high temperatures may cause the water portion to evaporate and liberate oxides of Nitrogen, Hydrogen Chloride and carbon monoxide.
<b>PPE SPILLAGE:</b>	Chemical resistant gloves, boots and eye/face protection

**OTHER INFORMATION (FIRE)**

None

**PRODUCT NAME: KAIR SURFACE CLEANSER CONCENTRATE****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**

<b>APPEARANCE:</b>	Clear liquid
<b>ODOUR:</b>	Slightly ammoniacal
<b>pH:</b>	Approximately 8
<b>FLASHPOINT:</b>	Not applicable
<b>BOILING POINT:</b>	100°C
<b>AUTO IGNITION:</b>	Not applicable
<b>MELTING POINT:</b>	Not applicable
<b>EXPLOSIVE PROPERTIES:</b>	None known
<b>OXIDISING PROPERTIES:</b>	None known
<b>VAPOUR PRESSURE:</b>	Not known
<b>DENSITY:</b>	Approximately 1.0
<b>SOLUBILITY IN WATER:</b>	Soluble
<b>SOLUBILITY IN SOLVENT (SPECIFY SOLVENT):</b>	Insoluble
<b>PARTITION COEFFICIENT (n-Octanol/Water):</b>	Not known

**OTHER INFORMATION**

None

**SECTION 10 STABILITY AND REACTIVITY**

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

<b>INCOMPATIBLE SUBSTANCES</b>
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Strong oxidizing agents and anionic compounds.

<b>SECTION 11</b>	<b>TOXICOLOGICAL INFORMATION</b>
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LD<sub>50</sub> values for the active component (Quaternary Ammonium Compounds, Benzyl-C8-18-Alkyldimethyl ammonium, chlorides – 8.0% in the preparation)

LD<sub>50</sub> (Dermal – Rat) 600mg/kg - Thor

LD<sub>50</sub> (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

<b>SECTION 12</b>	<b>ECOLOGICAL INFORMATION</b>
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**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.

<b>SECTION 13</b>	<b>WASTE DISPOSAL</b>
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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

<b>SECTION 14</b>	<b>TRANSPORT PRECAUTIONS</b>
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**PACKAGING GROUP:** III

**HAZARD CLASS:** 80

**UN No:** 1760

**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 only.



**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 – 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, waterbodies 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](mailto:hsebooks@prologue.uk.com) or [www.hsebooks.co.uk](http://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 FOLLOWING SECTIONS SHOW CHANGED OR AMENDED INFORMATION:**

**New Issue**

**INFORMATION ON THIS PRODUCT IS HELD ON THE NPIS TOXBASE DATABASE**

**COMPILED BY:**

**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