

**VIRKON PROFESSIONAL TABLETS**

**SAFETY DATA SHEET HSD/54A**

(1) **IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY**

**Name:** Antec Virkon Professional Tablets (product as supplied).

**Supplier:** Antec International Limited  
Windham Road  
Chilton Industrial Estate  
Sudbury  
Suffolk  
CO10 2XD

**Tel:** 44-(0)1787-377305

**Fax:** 44-(0)1787-310846

(2) **COMPOSITION/INFORMATION ON INGREDIENTS**

**Composition:** A blend of an inorganic peroxygen compound, inorganic salts, organic acid, anionic detergent, tableting excipients and dye.

<u>Chemical</u>	<u>% Concentration</u>	<u>Classification</u>	<u>CAS</u>	<u>Exposure</u>
Potassium Peroxomonosulphate	<50	C;R34	70693-62-8	5mg/m <sup>3</sup> 8 hour TWA (respirable dust - manufacturer's recommendation)
Sulphamic acid	5 - 10	X <sub>i</sub> ;R36/38	5329-14-6	
Sodium alkyl benzene sulphonate	5 - 15	X <sub>n</sub> ;R22 X <sub>i</sub> ;R36/38	25155-30-0	

(3) **HAZARDS IDENTIFICATION**

May cause serious eye damage.  
Irritating to skin.

(4) **FIRST AID MEASURES**

The tablets are not considered to be a hazard to eyes or by inhalation under normal conditions of use and symptoms of eye contact and inhalation are normally only attributed to dusts formed by crushing or damaging of the supplied tablet form.

<u>Exposure Route</u>	<u>Symptom</u>	<u>Treatment</u>
<b>INHALATION</b>	May cause irritation of the respiratory tracts.	Remove to fresh air. If symptoms of coughing, choking or wheezing prove troublesome, or recovery is not rapid,

seek medical attention.

<b>SKIN CONTACT</b>	May cause irritation, especially under moist conditions.	Drench skin with plenty of water. Remove contaminated clothing. If irritation persists after rinsing with water, consult a medical advisor.
<b>EYE CONTACT</b>	May cause serious eye damage.	Rinse thoroughly with clean water or buffered eye wash for at least 15 minutes. Obtain medical attention.
<b>INGESTION</b>	May cause severe irritation to mouth, throat, digestive tract and stomach.	Do not induce vomiting. Drink plenty of water (or milk) if conscious. Obtain immediate medical attention

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**FIRE-FIGHTING MEASURES**

**Suitable Extinguisher:**

WATER, FOAM, DRY POWDER, CO<sub>2</sub>

**Special Precautions:**

VIRKON PROFESSIONAL Tablets are not flammable, but may assist combustion of other materials under exceptional circumstances.

**Special Protective Equipment:**

Fire-fighting personnel are required to wear breathing apparatus in the event of a fire involving Virkon Professional Tablets, since release of Sulphur dioxide gas may occur.

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(6)

**ACCIDENTAL RELEASE PROCEDURES**

**Personal Precautions:**

Wear gloves, overalls and eye protection as specified in section 8.

**Environmental precautions:**

Do not allow Virkon Professional concentrate to enter drains. Small quantities (<150 tablets) however may be diluted to waste with large quantities of water. Do not allow entry to surface waters.

**Methods for Cleaning up:**

Sweep up carefully as small-scale dust formation may occur if the tablets are allowed to become significantly damaged and agitated. If any dust formation causes irritation to respiratory tracts, the use of a suitable dust mask may be required (to BS EN149:2001 FFP2 standard, e.g. 3M 8822 valved particulate respirator).

Place recovered product in suitable containers and prevent from becoming moist whilst awaiting disposal.

Moist product awaiting disposal must be kept away from combustible material and stored in manner which allows suitable ventilation of the waste.

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(7) **HANDLING AND STORING**

**Precautions**

**during handling:** Wear protective clothing (see section 8).

**Storage:** Keep containers tightly sealed and avoid product coming into contact with moisture during storage. Keep away from combustible material.

Avoid contamination of product.

Virkon Professional 1% solution: Store in clean loosely capped plastic containers at normal temperatures away from direct sunlight. Do not allow to freeze. Discard solution either once the colour is lost, or after 7 days from date of preparation.

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(8) **EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Engineering measures:**

Not considered necessary under normal conditions of use.

**Control Parameters:**

5mg/m<sup>3</sup> (8 hr T.W.A.) for respirable dust (manufacturer's recommendation).

**Personal Protection**

**Respiratory:** Not considered necessary under normal conditions of use.

**Hand:** Rubber gloves (e.g. Marigold type G01R)

**Eye:** Safety glasses to BS EN166 standard.

**Skin:** Overalls

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(9) **PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance/**

**Odour:** Pink tablet with no distinct odour.

**pH (1% solution, 20°C):**

2.5 ca.

**Boiling point/ Range:**

Decomposes on heating.

**Flash Point:** Not applicable.

**Explosive properties:**

Not applicable.

**Solubility (water at 20°C):**

Approximately 12 tablets/litre.

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(10) **STABILITY AND REACTIVITY**

**Stability:** Stable under normal conditions.

**Conditions to avoid:** Moisture ingress to the stored product.

**Materials to avoid:** Strong alkalis.

Salt (Sodium chloride) KCl, KBr, KI. Virkon Professional may react with these substances in solution to release halogen gases ( $\text{Cl}_2$ ,  $\text{Br}_2$  or  $\text{I}_2$ )

Combustible materials.

**Hazardous decomposition products:** Oxygen, Sulphur dioxide.  
Chlorine may be released under certain extreme conditions if tablets become moist.

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(11) **TOXICOLOGICAL INFORMATION**

**TEST DATA**

**Acute oral toxicity:** 4123mg/kg

**Acute dermal toxicity:** Greater than 2000mg/kg

**Skin irritation:** Moderately irritating primary irritation index = 2.8

Virkon S 1% solution: Non-irritating primary irritation index = 0

**Eye irritation:** May cause eye damage

Virkon S 1% solution: Non-irritating.

**Skin Sensitisation:** Not sensitising as Virkon S 1% solution.

**Human experience:** Virkon is a strong eye irritant and is irritating in contact with the skin.

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(12) **ECOLOGICAL INFORMATION**

**Persistence and degradability:** Based on the biodegradative profile of its ingredients, Virkon Professional tablets have been determined as biodegradable in accordance with EC classification and labelling regulations.

**Aquatic toxicity:** No data available.

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(13) **DISPOSAL CONSIDERATIONS**

**Disposal of product:** Dispose of as Special Waste in compliance with the Special Waste Regulations 1996.

**Disposal of packaging:** Dispose of in compliance with the Environmental Protection (Duty of Care) Regulations 1990.

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(14) **TRANSPORT INFORMATION**

**U.N. Number:** None assigned

**U.K. Road (CDG-CPL):** Not classified

**Sea (IMDG):** Not classified

**Road/Rail (RID/ADR):** Not classified

**Class Number:** None assigned

**Packaging Group:** None assigned

**Correct Shipping Name:** Not applicable

**Marine Pollutant:** No

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(15) **REGULATORY INFORMATION**

**Legislation:** The product is labelled in accordance with the Chemicals (Hazard Information and Packaging) Regulations 2002 (CHIP3) and amendments. The product must be handled in accordance with the COSHH (Control of Substances Hazardous to Health) Regulations 2002.

**Symbol:** Irritant (X<sub>i</sub>)

**R-Phrases:** R38 Irritating to skin.  
R41 Risk of serious damage to eyes

**S-Phrases:** S2 Keep out of reach of children  
S24/25 Avoid contact with skin and eyes

**S26** In case of contact with eyes, rinse immediately with plenty of water, seek medical advice.

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**OTHER INFORMATION**

**Uses:** Disinfectant/Cleaning agent

**Further product information:**

For uses other than those labelled on the package, please consult manufacturer prior to proceeding.

The customer should satisfy themselves that the product is suitable for the intended purpose, and that a suitable and sufficient assessment of any risks created by any activity using this product is undertaken before use.

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The above information is based upon our current state of knowledge of the product at the time of publication. The data is given in good faith and is designed only as a guidance to users of possible risks, and therefore does not constitute a guarantee of product quality or performance.

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**Replaces:** -

**EMERGENCY TELEPHONE NUMBER (UK): 01787 377305**