

Virkon[®] Aquatic

Version 2.0 Revision Date 26.11.2007

Ref. 13000036337

This SDS adheres to the standards and regulatory requirements of Great Britain and may not meet the regulatory requirements in other countries.

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product information		
Product name	:	Virkon [®] Aquatic
Use of the Substance/Preparation	:	Disinfectant, Cleaning agent
Company		Antec International Limited Windham Road Chilton Industrial Estate Sudbury / Suffolk - CO10 2XD United Kingdom
Telephone	:	+44(0)1787 377 305
Telefax	:	+44(0)1787 310 846
Emergency telephone	:	+44-(0)8456-006.640
E-mail address	:	sds-support@che.dupont.com
Remarks	:	Antec International Limited is a wholly owned subsidiary of Dupont (UK) Ltd.

2. HAZARDS IDENTIFICATION

Irritating to skin. Risk of serious damage to eyes. Harmful to aquatic organisms.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No.	EC-No.	Classification	Concentration [%]
Pentapotassium bis(peroximonosulphate) bis(sulphate)	70693-62-8	274-778-7	Xn; R22 C; R34 R52	40 - 50
Sodium C10-13-alkylbenzenesulfonate	68411-30-3	270-115-0	Xi; R36/38	10 - 12
Sulfamic Acid	5329-14-6	226-218-8	Xi; R36/38 R52 -R53	4 - 6
Malic acid	6915-15-7	230-022-8	Xn; R22 Xi; R37/38 -R41	7 - 10
Sodium Polyphosphate	68915-31-1	272-808-3	Xi; R36/37/38	20 - 25
Dipotassium peroxodisulphate	7727-21-1	231-781-8	O; R 8	< 1,49



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			Xn; R22 Xi; R36/37/38 R42/43
For the full text of the R-phra	ises	mentioned in this Section, see Se	ection 16.
General advice	:	Never give anything by mouth to when lying on his back, place hin	an unconscious person. If a person vomits n in the recovery position.
Inhalation	:		n. If victim has stopped breathing: Artificial e necessary. Consult a physician.
Skin contact	:	Wash off immediately with plenty	of water. Consult a physician.
Eye contact	:	Remove contact lenses. Rinse in medical advice. Call a physician	nmediately with plenty of water and seek immediately.
Ingestion	:	Do NOT induce vomiting. If conse immediately.	cious, drink plenty of water. Call a physician
IRE-FIGHTING MEASURES			
Suitable extinguishing media	:	Foam, Dry powder, Carbon dioxie	de (CO2),
Specific hazards during fire fighting	:	Do not allow run-off from fire figh	ting to enter drains or water courses.
Special protective equipment for fire-fighters	:	Wear self-contained breathing ap	oparatus and protective suit.
Further information	:	Use extinguishing measures that surrounding environment.	are appropriate to local circumstances and the
CCIDENTAL RELEASE MEA	ASU	RES	
Personal precautions	:	Evacuate personnel to safe areas	s. Use personal protective equipment.
Environmental precautions	:	Try to prevent the material from e	entering drains or water courses.
Methods for cleaning up	:	Sweep up and shovel into suitabl After cleaning, flush away traces	le containers for disposal. Avoid dust formatior with water.
Additional advice	:	Dispose of in accordance with loo	cal regulations.
ANDLING AND STORAGE			
Handling			

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Advice on safe handling	:	Avoid dust formation in confined areas. For personal protection see section 8. Avoid contact with skin and eyes.
Storage		
Requirements for storage areas and containers	:	Protect from contamination. Store in original container. Keep in a dry, cool place.
Advice on common storage	:	Keep away from: Combustible material
Other data	:	Stable under recommended storage conditions.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Type Form of exposure	Control parameters	Update	Basis
Dust (total and inhalable dust)		TWA Inhalable dust.	10 mg/m3	2005	EH40 WEL
		TWA Respirable dust.	4 mg/m3	2005	EH40 WEL
Dipotassium peroxodisulphate	7727-21-1	TWA	1 mg/m3	2002	EH40 OES

Engineering measures

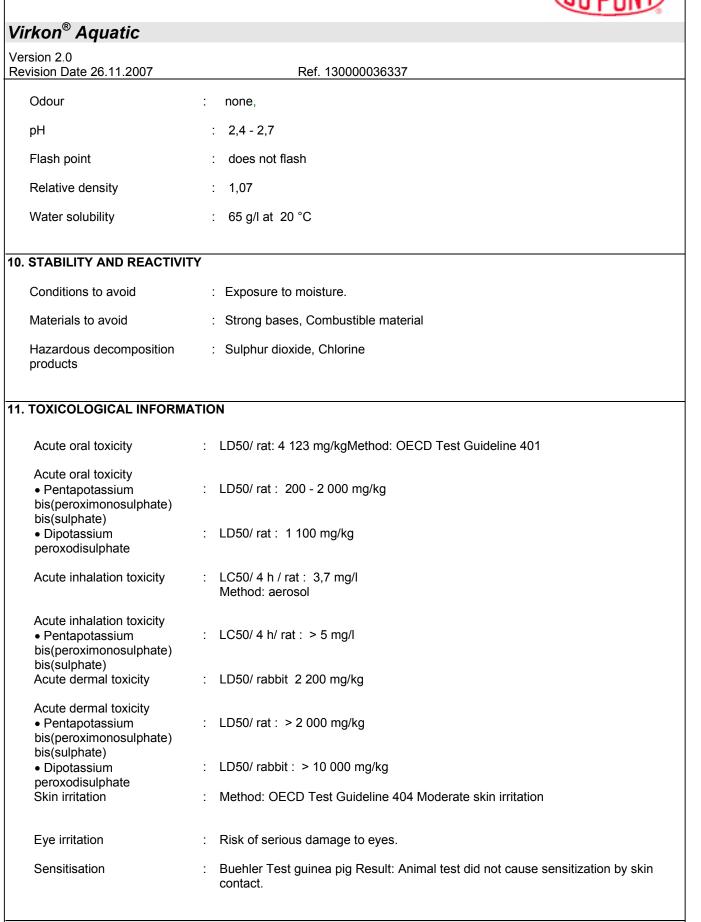
Provide local exhaust ventilation when handling material in bulk.

Personal protective equipment

Respiratory protection	:	When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
Hand protection	:	Rubber gloves
Eye protection	:	Tightly fitting safety goggles
Skin and body protection	:	Wear as appropriate: Apron Boots Remove and wash contaminated clothing before re-use.
Hygiene measures	:	Wash hands before breaks and immediately after handling the product. Regular cleaning of equipment, work area and clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	:	powder,
Colour	:	pink,





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		Test (GPMT) guinea pig Result: Animal test did not cause by skin contact.
2. ECOLOGICAL INFORMATIO	ON	
Elimination information (p	ersistence and de	egradability)
Biodegradability	: Expected to t	be biodegradable.
Toxicity to fish • Pentapotassium bis(peroximonosulphate) bis(sulphate)	: LC50 / 96 h/	Oncorhynchus mykiss (rainbow trout) : 53 mg/l
Aquatic toxicity • Pentapotassium bis(peroximonosulphate) bis(sulphate)	: / EC50/ 48 h	/ Daphnia: 3,5 mg/l
3. DISPOSAL CONSIDERATIO	ONS	
Product		s special waste in compliance with local and national regulations. should not be allowed to enter drains, water courses or the soil.
Contaminated packaging	: If recycling is	not practicable, dispose of in compliance with local regulations.
4. TRANSPORT INFORMATIO	Ν	
Further information	: Not classified	as dangerous in the meaning of transport regulations.
5. REGULATORY INFORMATI	ON	
Labelling according to EC	Directives	
Symbol(s)	: Xi	Irritant
R-phrase(s)	: R38 R41 R52	Irritating to skin. Risk of serious damage to eyes. Harmful to aquatic organisms.
S-phrase(s)	: S 2 S22 S24/25 S26 S36/37/39	Keep out of reach of children. Do not breathe dust. Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing, gloves and eye/face protection.
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Sensitising component	ts contains:	
0 1	Dipotassium peroxodisulphate	
	May produce an allergic reaction.	
6. OTHER INFORMATION	N	
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6. OTHER INFORMATION Text of R-phrases me		
Text of R-phrases me	entioned in Section 2	
Text of R-phrases me	entioned in Section 2 Contact with combustible material may cause fire.	
Text of R-phrases me R 8 R22	entioned in Section 2 Contact with combustible material may cause fire. Harmful if swallowed.	
Text of R-phrases me R 8 R22 R34	entioned in Section 2 Contact with combustible material may cause fire. Harmful if swallowed. Causes burns.	
Text of R-phrases me R 8 R22 R34 R36/37/38	entioned in Section 2 Contact with combustible material may cause fire. Harmful if swallowed. Causes burns. Irritating to eyes, respiratory system and skin.	
Text of R-phrases me R 8 R22 R34 R36/37/38 R36/38	entioned in Section 2 Contact with combustible material may cause fire. Harmful if swallowed. Causes burns. Irritating to eyes, respiratory system and skin. Irritating to eyes and skin. Irritating to respiratory system and skin. Risk of serious damage to eyes.	
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