

## SAFETY DATA SHEETS

**This SDS packet was issued with item:**

078700840

N/A



The MSDS format adheres to the standards and regulatory requirements of the United States and may not meet regulatory requirements in other countries.

DuPont  
Material Safety Data Sheet

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ANTEC06 VIRKON(R) S TABLET  
Revised 18-AUG-2006  
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CHEMICAL PRODUCT/COMPANY IDENTIFICATION  
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Tradenames and Synonyms

"Virkon" is a registered trademark of Antec(tm) Int'l Ltd.

Company Identification

MANUFACTURER/DISTRIBUTOR

Antec(tm) International Ltd.  
A DuPont Company  
Windham Road  
Chilton Industrial Estates  
Sudbury  
Suffolk  
United Kingdom  
CO10 2XD

PHONE NUMBERS

Product Information : 44-(0)1787-377305 FAX: 44-(0)1787-310846  
Transport Emergency : CHEMTREC: 1-800-424-9300  
Medical Emergency : 1-800-441-3637

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COMPOSITION/INFORMATION ON INGREDIENTS  
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Components

Material	CAS Number	%
Potassium Peroxymonosulfate	70693-62-8	<50
Sulfamic Acid	5329-14-6	5-10
Potassium Persulfate	7727-21-1	<2

Unique Label Statements

KEEP OUT OF REACH OF CHILDREN \*\*\*\*\*

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HAZARDS IDENTIFICATION  
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Potential Health Effects

Eye contact with product diluted in water according to package directions (1% solution) is not an eye irritant. Eye contact with dry powder may cause eye corrosion or ulceration. Severe eye damage may result if not immediately treated.

Skin contact with product diluted in water according to package directions (1% solution) is not a skin irritant. Skin contact with dry powder may cause skin burns or

## (HAZARDS IDENTIFICATION - Continued)

ulceration. In rare cases, skin contact with dry powder may cause an allergic skin reaction in sensitive individuals.

Ingestion of this product may cause gastritis, with stomach pain, nausea, vomiting, diarrhea, headache or weakness; possibly progressing to necrosis or hemorrhage with gross overexposure.

Inhalation of this product may cause nose bleed or irritation of the upper respiratory passages, with coughing, sneezing, runny nose and sore throat. Gross overexposure may cause ulceration of mucous membranes.

## Carcinogenicity Information

None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as a carcinogen.

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FIRST AID MEASURES  
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## First Aid

IF ON SKIN: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a Poison Control Center or doctor for further treatment advice.

IF IN EYES: Hold eye open & rinse slowly & gently with water for 15-20 minutes. Remove contact lenses, if present after 5 minutes, then continue rinsing eye. Call a Poison Control Center or doctor for further treatment advice.

IF INHALED: Move person to fresh air. If person is not breathing call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a Poison Control Center or doctor for further treatment advice.

IF SWALLOWED: Call Poison Control Center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

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FIRE FIGHTING MEASURES  
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## Extinguishing Media

Dry Powder (Sand or Met-L-X), CO2.

## Fire Fighting Instructions

Evacuate personnel to a safe area. Wear self-contained breathing apparatus (SCBA) and full protective equipment.

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ACCIDENTAL RELEASE MEASURES  
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## Safeguards (Personnel)

NOTE: Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before proceeding with clean-up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean-up.

## Spill Clean Up

Sweep, shovel, vacuum or scoop up into suitable containers for disposal. Prevent tablets from becoming moist while awaiting disposal. Moist product must be kept away from combustible material and stored in a manner that allows suitable ventilation of the waste.

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HANDLING AND STORAGE  
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## Handling (Personnel)

Do not get in eyes, on skin or clothing. Avoid inhalation. Wash thoroughly after handling. Wash contaminated clothing prior to reuse.

## Storage

Store in a cool, dry place.

Keep containers tightly sealed and avoid coming into contact with moisture.

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EXPOSURE CONTROLS/PERSONAL PROTECTION  
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## Engineering Controls

Use only with adequate ventilation.

## Personal Protective Equipment

## EYE/FACE PROTECTION

## (EXPOSURE CONTROLS/PERSONAL PROTECTION - Continued)

Wear coverall chemical splash goggles. Additionally, wear a face shield where the possibility exists for face contact due to splashing or spraying of material.

RESPIRATORS Wear NIOSH approved respiratory protection as appropriate.

## PROTECTIVE CLOTHING

Where there is potential for skin contact have available and wear as appropriate impervious gloves, apron, pants, jacket, hood and boots.

## # Exposure Guidelines

## Applicable Exposure Limits

## Potassium Peroxymonosulfate

PEL (OSHA) : None Established  
TLV (ACGIH) : None Established  
AEL \* (DuPont) : 1 mg/m<sup>3</sup>, 8 & 12 Hr. TWA

## Sulfamic Acid

PEL (OSHA) : None Established  
TLV (ACGIH) : None Established  
AEL \* (DuPont) : 0.5 mg/m<sup>3</sup>, 8 & 12 Hr. TWA  
1.5 mg/m<sup>3</sup>, 15 minute TWA

## Potassium Persulfate

TLV (ACGIH) : 0.1 mg/m<sup>3</sup>, 8 Hr. TWA

\* AEL is DuPont's Acceptable Exposure Limit. Where governmentally imposed occupational exposure limits which are lower than the AEL are in effect, such limits shall take precedence.

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PHYSICAL AND CHEMICAL PROPERTIES  
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## Physical Data

Boiling Point: Decomposes on heating  
Solubility in Water: ~12 tablets/litre @ 20 deg C  
pH: 2.5-3.0  
Form: Tablet  
Color: Yellow  
Odor: No distinct odor  
Specific Gravity: ~1.07

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STABILITY AND REACTIVITY  
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## Chemical Stability

Stable at normal temperatures and storage conditions.

## Incompatibility with Other Materials

Incompatibility with strong alkalies and moisture. When wet reacts slowly in solution to make small amount of hypochlorous acid or hypochlorite, depending on pH.

## Decomposition

Hazardous decomposition products are: sulfur dioxide and chlorine under extreme conditions if powder is allowed to become damp through incorrect storage or long exposure to the atmosphere.

## Polymerization

Polymerization will not occur.

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DISPOSAL CONSIDERATIONS  
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## Waste Disposal

Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State/Provincial, and Local regulations.

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TRANSPORTATION INFORMATION  
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## Shipping Information

Not Regulated as a hazardous material by DOT, IMO, or IATA.

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REGULATORY INFORMATION  
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## U.S. Federal Regulations

TSCA Inventory Status : Listed.

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OTHER INFORMATION

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## Additional Information

EPA Reg. No. 71654-6

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The data in this Material Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process.

Responsible for MSDS : MSDS Coordinator  
> : DuPont Clean & Disinfect  
Address : Wilmington, DE 19898  
Telephone : (800) 441-7515

# Indicates updated section.

This information is based upon technical information believed to be reliable. It is subject to revision as additional knowledge and experience is gained.

End of MSDS