



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

Page 1

Virkon(R) Solution (1-2% wt.)
ANTEC07 Revised 16-FEB-2005

CHEMICAL PRODUCT/COMPANY IDENTIFICATION

Tradenames and Synonyms

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

Tradenames and Synonyms (Remarks)

The Virkon(R) solution is made by dilution of Virkon(R) powder. The solution should not be shipped but should be used within 7 days at the location where it is made.

NOTE: Antec(tm) is the manufacturer/distributor of powdered Virkon(R).

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 ANTEC / 1-800-441-7515
DUPONT
Transport Emergency : CHEMTREC: 1-800-424-9300
Medical Emergency : 1-800-441-3637

COMPOSITION/INFORMATION ON INGREDIENTS

Components

Material	CAS Number	%
Water	7732-18-5	98-99
Virkon(R)		1-2

HAZARDS IDENTIFICATION

Potential Health Effects

This solution is not a skin irritant.

(Skin contact with dry powder may cause skin burns or ulceration. In rare cases, skin contact with dry powder may cause an allergic skin reaction in sensitive individuals.)

This 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.)

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.

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.

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.

FIRST AID MEASURES

First Aid

INHALATION

No specific intervention is indicated as the compound is not likely to be hazardous by inhalation. Consult a physician if necessary.

SKIN CONTACT

The compound is not likely to be hazardous by skin contact but cleansing the skin after use is advisable.

EYE CONTACT

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

INGESTION

(FIRST AID MEASURES - Continued)

If swallowed, do not induce vomiting. Immediately give 2 glasses of water. Never give anything by mouth to an unconscious person. Call a physician.

INFORMATION FOR DRY POWDER ONLY.

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.

IF INHALED: Move person to fresh air. If person in 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.

FIRE FIGHTING MEASURES

Flammable Properties

Will not burn.

Extinguishing Media

Use media appropriate for surrounding material.

Fire Fighting Instructions

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

ACCIDENTAL RELEASE MEASURES

Safeguards (Personnel)

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

(ACCIDENTAL RELEASE MEASURES - Continued)

Spill Clean Up

Wipe up spill with absorbent material.

HANDLING AND STORAGE

Handling (Personnel)

Avoid inhalation. Avoid contact with eyes, skin or clothing.
Wash thoroughly after handling.

EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls

Use only with adequate ventilation.

Personal Protective Equipment

INDUSTRIAL/BULK HANDLING: Use with adequate ventilation; use splash protection to avoid eye contact; for sensitive skin or repeated/prolonged contact, wear gloves; wear NIOSH approved respiratory protection as appropriate.

Exposure Guidelines

Exposure Limits

Virkon(R) Solution (1-2% wt.)

PEL	(OSHA)	: None Established
TLV	(ACGIH)	: None Established

PHYSICAL AND CHEMICAL PROPERTIES

Physical Data

Boiling Point:	100 degrees C
Melting Point:	0 degrees C
Form:	Aqueous Solution
Color:	Transparent
Odor:	None
pH:	2.6-2.7
Density:	8.3 lbs./gallon
Specific Gravity:	1

STABILITY AND REACTIVITY

Chemical Stability

Stable at normal temperatures and storage conditions.

Incompatibility with Other Materials

None reasonably foreseeable.

Decomposition

Decomposition will not occur.

Polymerization

Polymerization will not occur.

DISPOSAL CONSIDERATIONS

Waste Disposal

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

TRANSPORTATION INFORMATION

Shipping Information

The solution is meant to be used within 7 days after it is made by dissolving the powder in water. The solution is not packaged for shipping and should not be shipped.

REGULATORY INFORMATION

U.S. Federal Regulations

Virkon(R) (dry powder) is FIFRA registered: EPA # 71654-7.

OTHER INFORMATION

NFPA, NPCA-HMIS

NPCA-HMIS Rating
Health : 1
Flammability : 0
Reactivity : 0

Personal Protection rating to be supplied by user depending on use conditions.

(Continued)

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

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