



## SAFETY DATA SHEET VERIGOLD TEST KIT 9ct

According to Regulation (EC) No 1907/2006

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

PRODUCT NAME	VERIGOLD TEST KIT 9ct
PRODUCT NO.	2641
APPLICATION	General chemical reagent
SUPPLIER	Reagent Chemical Services 18 Aston Fields Road Whitehouse Industrial Estate Runcorn Cheshire WA7 3DL T: 01928 716903 F: 01928 716425 E: <a href="mailto:info@reagent.co.uk">info@reagent.co.uk</a>
EMERGENCY TELEPHONE	Emergency Telephone : +44 (0) 1928 716903 Between 08.30 - 17.00

### 2 HAZARDS IDENTIFICATION

Causes severe burns.

CLASSIFICATION C;R35.

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
NITRIC ACID ...%	231-714-2	7697-37-2	60-100%	O;R8 C;R35

The Full Text for all R-Phrases are Displayed in Section 16

### 4 FIRST-AID MEASURES

#### GENERAL INFORMATION

CAUTION! First aid personnel must be aware of own risk during rescue! First aid personnel must protect themselves with all necessary personal protective equipment during the assistance of casualties. When breathing is difficult, properly trained personnel may assist the casualty by administering oxygen. If casualty needs to be resuscitated avoid mouth to mouth contact, use a mechanical device such as a bag and mask to provide artificial respiration. Place unconscious person on the side in the recovery position and ensure breathing can take place. Never give anything by mouth to an unconscious person. If medical attention is required take this information sheet with the casualty.

#### INHALATION

Remove victim immediately from source of exposure. Provide rest, warmth and fresh air. In case of severe exposure or if any discomfort continues get medical attention.

#### INGESTION

Do not induce vomiting. Immediately rinse mouth and drink plenty of water. Get medical attention immediately!

#### SKIN CONTACT

Immediately remove contaminated clothing and wash before re-use. Rinse the skin immediately with lots of water. Get medical attention immediately.

#### EYE CONTACT

May cause permanent damage if eye is not immediately irrigated. Promptly wash eyes with plenty of water or eye wash solution while lifting the eyelids. If possible remove any contact lenses and continue to wash. Get medical attention immediately.

### 5 FIRE-FIGHTING MEASURES

#### EXTINGUISHING MEDIA

The product is non-combustible. Water spray. May ignite surrounding combustible material.

#### SPECIFIC HAZARDS

In case of fire, toxic and corrosive gases may be formed. Oxides of nitrogen.

# VERIGOLD TEST KIT 9ct

## PROTECTIVE MEASURES IN FIRE

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

## 6 ACCIDENTAL RELEASE MEASURES

### PERSONAL PRECAUTIONS

Wear protective clothing as described in Section 8 of this safety data sheet.

### SPILL CLEAN UP METHODS

Small Spillages Absorb with inert, non-combustible material. Large Spillages Dam and absorb spillages with sand, earth or other non-combustible material. Collect spillage in sealable containers. Neutralise with aqueous soda ash slurry(CAUTION - VIGOROUS REACTION, HEAT GENERATED) and leave for 24 hours before sealing tightly. Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Deliver for disposal according to local regulations. Wash spillage site well with water and detergent, be aware of the potential for surfaces to become slippery. Wash thoroughly after dealing with a spillage.

## 7 HANDLING AND STORAGE

### USAGE PRECAUTIONS

Avoid inhalation of vapours/spray and contact with skin and eyes.

### STORAGE PRECAUTIONS

Store in closed original container at temperatures between 15°C and 25°C. Store away from direct sunlight and moisture Store away from combustible materials.

### STORAGE CLASS

Corrosive storage.

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	TWA - 8 hrs		STEL - 15 min		Notes
NITRIC ACID ...%	WEL	2 ppm	5.2 mg/m3	4 ppm	10 mg/m3	

WEL = Workplace Exposure Limit.

### ENGINEERING MEASURES

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined workplace exposure limit is not exceeded. If vapours or mists are generated, work in a fume cupboard.

### RESPIRATORY EQUIPMENT

Wear suitable respiratory protection if vapours or mists are generated. Consult with the supplier as to the compatibility of the equipment with the chemical of concern.

### HAND PROTECTION

Use full-length gloves. Butyl rubber. Viton rubber (fluor rubber). Be aware that the liquid may penetrate the gloves. Frequent change is advisable. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

### EYE PROTECTION

Wear approved safety goggles.

### OTHER PROTECTION

Wear suitable protective clothing as protection against splashing or contamination. Provide eyewash station and safety shower. If there is a risk of splashing then wear a face shield. Wear plastic apron and full length gloves if handling large amounts.

### HYGIENE MEASURES

Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes wet or contaminated. When using do not eat, drink or smoke.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid
COLOUR	Colourless to pale yellow
ODOUR	Pungent
SOLUBILITY	Miscible with water.
RELATIVE DENSITY	Approx. 1.3 - 1.4 20
	pH-VALUE, CONC. SOLUTION
	<1

## 10 STABILITY AND REACTIVITY

### STABILITY

Stable under normal temperature conditions.

# VERIGOLD TEST KIT 9ct

## MATERIALS TO AVOID

Combustible materials Oxidizable substances Organic solvents. Alcohols, glycols. Aldehydes. Ketones. Amines. Organic cyanides (nitriles). Organic nitro compounds. Metals. Alkali metals. Alkali earth metals. Bases, alkalies (inorganic). Bases, alkalies (organic). Acids. Inorganic hydrides.

## HAZARDOUS DECOMPOSITION PRODUCTS

Oxides of: Nitrogen.

## 11 TOXICOLOGICAL INFORMATION

### INHALATION

Corrosive. Causes coughing and dyspnoea. May cause pulmonary oedema. Vapours may cause damage to mucous membranes.

### INGESTION

Corrosive. Even small amounts may cause serious damage. Causes burns to the mouth, throat, oesophagus and gastrointestinal tract. Severe pain with risk of perforation. Bloody vomiting and possibly death.

### SKIN CONTACT

Causes severe burns.

### EYE CONTACT

Strongly corrosive. Causes severe burns and serious eye damage. Immediate first aid is imperative.

## 12 ECOLOGICAL INFORMATION

### ECOTOXICITY

The product may affect the acidity (pH-factor) in water with risk of harmful effects to aquatic organisms. Ecological effects cannot be excluded in the event of improper handling or disposal.

### ACUTE FISH TOXICITY

LC50>500mg/L (Nitrates).

## 13 DISPOSAL CONSIDERATIONS

### DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements.

## 14 TRANSPORT INFORMATION



UK ROAD CLASS	8	UK ROAD PACK GR.	II
PROPER SHIPPING NAME	NITRIC ACID	ADR CLASS	Class 8: Corrosive substances.
UN NO. ROAD	2031	TUNNEL RESTRICTION CODE	(E)
ADR CLASS NO.	8	ADR LABEL NO.	8
ADR PACK GROUP	II	RID CLASS NO.	8
HAZARD No. (ADR)	80	UN NO. SEA	2031
HAZCHEM CODE	2R	IMDG PACK GR.	II
RID PACK GROUP	II	UN NO. AIR	2031
IMDG CLASS	8	AIR PACK GR.	II
EMS	F-A, S-B		
AIR CLASS	8		

## 15 REGULATORY INFORMATION

### LABELLING



Corrosive

# VERIGOLD TEST KIT 9ct

## RISK PHRASES

R35 Causes severe burns.

## SAFETY PHRASES

S24/25 Avoid contact with skin and eyes.

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

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

S45 In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).

S60 This material and its container must be disposed of as hazardous waste.

## STATUTORY INSTRUMENTS

Chemicals (Hazard Information and Packaging) Regulations. Control of Substances Hazardous to Health.

## APPROVED CODE OF PRACTICE

Classification and Labelling of Substances and Preparations Dangerous for Supply. COSHH essentials: Easy steps to control chemicals. Control of Substances Hazardous to Health Regulations.

## GUIDANCE NOTES

Workplace Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37.

## NATIONAL REGULATIONS

Control of Substances Hazardous to Health Regulations 2002 (as amended)

## 16 OTHER INFORMATION

### REVISION COMMENTS

This is first issue.

SDS NO. 11534

### SAFETY DATA SHEET STATUS

Approved.

DATE 03/11/2009

### RISK PHRASES IN FULL

R35 Causes severe burns.

R8 Contact with combustible material may cause fire.