



# SAFETY DATA SHEET

## VANOQUAT

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

<b>PRODUCT NAME</b>	VANOQUAT
<b>PRODUCT NO.</b>	A038
<b>INTERNAL ID</b>	P.V35
<b>APPLICATION</b>	Quaternary Ammonium based detergent Disinfectant , for Food Industry.
<b>SUPPLIER</b>	Evans Vanodine International Brierley Road Walton Summit Preston. PR5 8AH 01772 322200 01772 626000

### 2 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
C13-15 ALCOHOL ETHOXYLATE (7EO)		68131-39-5	5-10%	Xn;R22. Xi;R41. N;R50.
ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE	270-325-2	68424-85-1	5-10%	Xn;R21/22. C;R34. N;R50.
TRISODIUM NITRILLO TRIACETATE	225-768-6	5064-31-3	1-5%	Xi;R36/38.
N-COCO-1,3-DIAMINO PROPANE EDETATE			1-5%	Xn;R22. Xi;R36/38. N;R50.
ETHYLENE DIAMINE TETRA ACETIC ACID - DISODIUM SALT			1-5%	Xi;R36/37/38.

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

### 3 HAZARDS IDENTIFICATION

Risk of serious damage to eyes. Irritating to skin.

**CLASSIFICATION** Xi;R41, R38.

### 4 FIRST-AID MEASURES

#### INHALATION

Not relevant. Inhalation unlikely.

#### INGESTION

DO NOT INDUCE VOMITING! Drink a few glasses of water or milk. Get medical attention.

#### SKIN CONTACT

Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing.

#### EYE CONTACT

Promptly wash eyes with plenty of water while lifting the eye lids. Get medical attention immediately. Continue to rinse.

### 5 FIRE-FIGHTING MEASURES

#### EXTINGUISHING MEDIA

This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

#### SPECIFIC HAZARDS

If involved in fire, may emit noxious fumes.

#### PROTECTIVE MEASURES IN FIRE

Protective clothing and respiratory protection should be worn when tackling fires involving this product.

### 6 ACCIDENTAL RELEASE MEASURES

#### PERSONAL PRECAUTIONS

Wear eye/face protection. Avoid contact with skin.

# VANOQUAT

## ENVIRONMENTAL PRECAUTIONS

Large spillages or uncontrolled discharges into rivers or streams must be reported to The Environment Agency or other regulatory body.

## SPILL CLEAN UP METHODS

Small quantities may be flushed to drains with plenty of water. Large Spillages Absorb in vermiculite, dry sand or earth and place into containers. Send for disposal as special waste.

## 7 HANDLING AND STORAGE

### USAGE PRECAUTIONS

Wear eye protection. Avoid contact with skin.

### STORAGE PRECAUTIONS

Store at moderate temperatures in dry, well ventilated area. Keep in original container. Store away from Oxidising material.

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

### PROTECTIVE EQUIPMENT



### ENGINEERING MEASURES

Not applicable.

### RESPIRATORY EQUIPMENT

None required.

### HAND PROTECTION

For prolonged or repeated skin contact the use of household rubber gloves is advisable.

### EYE PROTECTION

Use eye protection.

### OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of skin contact.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>APPEARANCE</b>	Liquid		
<b>COLOUR</b>	Clear Colourless		
<b>ODOUR</b>	Unperfumed.		
<b>SOLUBILITY</b>	Soluble in water		
<b>BOILING POINT (°C)</b>	100	<b>MELTING POINT (°C)</b>	-1
<b>RELATIVE DENSITY</b>	1.030 @ 20 °c	<b>pH-VALUE, CONC. SOLUTION</b>	8.3
<b>FLASH POINT (°C)</b>	Boils without flashing		

## 10 STABILITY AND REACTIVITY

### STABILITY

No particular stability concerns.

### MATERIALS TO AVOID

Strong acids. Aluminium, Tin, Zinc and their alloys.

## 11 TOXICOLOGICAL INFORMATION

### TOXICOLOGICAL INFORMATION

Refer to section 3.

#### Other Health Effects

Low oral toxicity, but ingestion may cause irritation of the gastro-intestinal tract.

## 12 ECOLOGICAL INFORMATION

### ECOTOXICITY

Not regarded as dangerous for the environment.

### BIOACCUMULATION

Completely soluble. No bioaccumulation.

# VANOQUAT

## DEGRADABILITY

This product, at use dilutions, is readily broken down in biological effluent treatment plants.

## 13 DISPOSAL CONSIDERATIONS

### DISPOSAL METHODS

Discharge used solutions to drain. Small amounts (less than 5 Litres) of unwanted product may be flushed with water to sewer. Larger volumes must be sent for disposal as special waste. Rinse out empty container with water and consign to normal waste.

## 14 TRANSPORT INFORMATION

**GENERAL** Not classified for Transport.

## 15 REGULATORY INFORMATION

### LABELLING



Irritant

### RISK PHRASES

R41 Risk of serious damage to eyes.  
R38 Irritating to skin.

### SAFETY PHRASES

S2 Keep out of the reach of children  
S39 Wear eye/face protection.  
S24 Avoid contact with skin.  
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S46 If swallowed, seek medical advice immediately and show this container or label.

### ENVIRONMENTAL LISTING

Hazardous Waste (England and Wales) Regulations.

### EU DIRECTIVES

System of specific information relating to Dangerous Preparations. 2001/58/EEC. As amended by Directive 93/112/EC and 2001/58/EC.

### STATUTORY INSTRUMENTS

Chemicals (Hazard Information and Packaging) Regulations. 2005

### APPROVED CODE OF PRACTICE

The compilation of safety Data Sheets L130.

### GUIDANCE NOTES

Workplace Exposure Limits EH40. Approved guide to the Classification and Labelling of Substances and Preparations Dangerous for Supply. L100

## 16 OTHER INFORMATION

### INFORMATION SOURCES

Approved Supply List - HSC. Material Safety Data Sheet, Misc. manufacturers.

### REVISION COMMENTS

Amendment to section 2.

**REVISION DATE** 02/02/06

**REV. NO./REPL. SDS** Issue 3

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### RISK PHRASES IN FULL

R21/22 Harmful in contact with skin and if swallowed.  
R22 Harmful if swallowed.  
R34 Causes burns.  
R36/37/38 Irritating to eyes, respiratory system and skin.  
R36/38 Irritating to eyes and skin.  
R41 Risk of serious damage to eyes.  
R50 Very toxic to aquatic organisms.