



# SAFETY DATA SHEET

## E-PINE

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

<b>PRODUCT NAME</b>	E-PINE
<b>PRODUCT NO.</b>	A008 EV
<b>INTERNAL ID</b>	P.123
<b>APPLICATION</b>	Quaternary Ammonium based Disinfectant.
<b>SUPPLIER</b>	Evans Vanodine International Brierley Road Walton Summit Preston. PR5 8AH Tel: 01772 322 200 Fax: 01772 626 000 qclab@evansvanodine.co.uk
<b>EMERGENCY TELEPHONE</b>	New Safety Data Sheets - 8.30am to 4.45pm - 01772 322 200 - Mon to Fri Technical Advice - 8.30am to 4.45pm - 01772 318 818 - Mon to Fri

### 2 HAZARDS IDENTIFICATION

Not regarded as a health or environmental hazard under current legislation.

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE	270-325-2	68424-85-1	0-1%	Xn;R21/22. C;R34. N;R50.
TURPENTINE, OIL	232-350-7	8006-64-2	0-1%	R10 Xn;R20/21/22,R65 R43 Xi;R36/38 N;R51/53

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

#### COMPOSITION COMMENTS

The ingredients are present in non-hazardous concentrations.

### 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 if any discomfort continues.

#### SKIN CONTACT

Wash skin with soap and water.

#### EYE CONTACT

Promptly wash eyes with plenty of water while lifting the eye lids.

### 5 FIRE-FIGHTING MEASURES

#### EXTINGUISHING MEDIA

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

#### SPECIFIC HAZARDS

By heating and fire, harmful vapours/gases may be formed.

#### PROTECTIVE MEASURES IN FIRE

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

# E-PINE

## 6 ACCIDENTAL RELEASE MEASURES

### PERSONAL PRECAUTIONS

No special protective clothing. (See Sec 8)

### ENVIRONMENTAL PRECAUTIONS

Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.

### SPILL CLEAN UP METHODS

Small quantities may be flushed to drains with plenty of water. Large Spillages Pick up with vacuum or absorbent solid, store in closed container for disposal.

## 7 HANDLING AND STORAGE

### USAGE PRECAUTIONS

No specific usage precautions noted.

### 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

Name	Std	LT - ppm	LT - mg/m3	ST - ppm	ST - mg/m3
TURPENTINE, OIL	WEL	100 ppm	566 mg/m3	150 ppm	850 mg/m3

### ENGINEERING MEASURES

Not relevant.

### RESPIRATORY EQUIPMENT

Respiratory protection not required.

### HAND PROTECTION

No specific hand protection noted, but protection for the skin is advisable to prevent removal of natural oils from skin.

### EYE PROTECTION

None required.

### OTHER PROTECTION

None required.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>APPEARANCE</b>	Liquid		
<b>COLOUR</b>	Clear Green		
<b>ODOUR</b>	Pine.		
<b>SOLUBILITY</b>	Soluble in water		
<b>BOILING POINT (°C)</b>	100 760 mm Hg	<b>MELTING POINT (°C)</b>	0
<b>RELATIVE DENSITY</b>	1.000 @ 20 °c	<b>pH-VALUE, CONC. SOLUTION</b>	7.50
<b>FLASH POINT (°C)</b>	Boils without flashing		

## 10 STABILITY AND REACTIVITY

### STABILITY

No particular stability concerns.

### MATERIALS TO AVOID

No incompatible groups noted.

## 11 TOXICOLOGICAL INFORMATION

### TOXICOLOGICAL INFORMATION

Refer to section 2.

### Other Health Effects

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

# E-PINE

## 12 ECOLOGICAL INFORMATION

### ECOTOXICITY

Not regarded as dangerous for the environment.

**LC 50, 96 Hrs, FISH mg/l** Alkyl Dimethyl Benzyl Ammonium Chloride [CAS N°68424-85-1] (Rainbow Trout)  
0.85 mg/l

### BIOACCUMULATION

The product does not contain any substances expected to be bioaccumulating.

### DEGRADABILITY

Surfactant is readily broken down by effluent treatment process.

## 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 by approved waste contractor. Consign empty container to normal waste.

## 14 TRANSPORT INFORMATION

**GENERAL** Not classified for Transport.

## 15 REGULATORY INFORMATION

### RISK PHRASES

NC Not classified.

### SAFETY PHRASES

S2 Keep out of the reach of children

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/EC. As amended by Directive 93/112/EC, 2001/58/EC and 2006/8/EC.

### STATUTORY INSTRUMENTS

Chemicals (Hazard Information and Packaging) Regulations. 2008

### 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 (Health & Safety Commission) Material Safety Data Sheet, Misc. manufacturers.

### REVISION COMMENTS

Safety Data sheet reviewed under CHIP 2008 [2nd ATP to Dangerous Preparations Directive 2006/8/EC] no change in product classification (Changes to sections 12 & 16.)

**REVISION DATE** 22/12/08

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

**GENERATED**

## E-PINE

### RISK PHRASES IN FULL

R10	Flammable.
R20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
R21/22	Harmful in contact with skin and if swallowed.
R34	Causes burns.
R36/38	Irritating to eyes and skin.
R43	May cause sensitisation by skin contact.
R50	Very toxic to aquatic organisms.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65	Harmful: may cause lung damage if swallowed.