



SAFETY DATA SHEET

PROTECT RTU

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

PRODUCT NAME	PROTECT RTU
PRODUCT NO.	A147 EV
INTERNAL ID	P.41
APPLICATION	Quaternary Ammonium based Sanitiser and Disinfectant.
SUPPLIER	Evans Vanodine International Brierley Road Walton Summit Preston. PR5 8AH Tel: 01772 322 200 Fax: 01772 626 000 qclab@evansvanodine.co.uk
EMERGENCY TELEPHONE	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
2,2'-OXYBISETHANOL	203-872-2	111-46-6	0-1%	Xn;R22
ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE	270-325-2	68424-85-1	0-1%	Xn;R21/22. C;R34. N;R50.
2-AMINOETHANOL	205-483-3	141-43-5	0-1%	C;R34 Xn;R20/21/22
C12-15 ALCOHOL ETHOXYLATE (7EO)		68131-39-5	0-1%	Xn;R22. Xi;R41. N;R50.

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.

PROTECT RTU

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

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
2,2'-OXYBISETHANOL	WEL	23 ppm	101 mg/m3		
2-AMINOETHANOL	WEL	3 ppm	7.6 mg/m3	6 ppm	15 mg/m3

INGREDIENT COMMENTS

WEL = Workplace Exposure Limit for COSHH assessments in the UK, -----
ST = Short-Term Exposure Limit (15 minute) & LT = Long-Term Exposure Limit (8 hours).

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

APPEARANCE	Liquid		
COLOUR	Clear Blue		
ODOUR	Floral.		
SOLUBILITY	Soluble in water		
BOILING POINT (°C)	100 760 mm Hg	MELTING POINT (°C)	0
RELATIVE DENSITY	1.003 @ 20 °C	pH-VALUE, CONC. SOLUTION	11.00
FLASH POINT (°C)	Boils without flashing		

10 STABILITY AND REACTIVITY

STABILITY

No particular stability concerns.

MATERIALS TO AVOID

No incompatible groups noted.

PROTECT RTU

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.

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 & C12-15 Alcohol Ethoxylate (7EO) [CAS N° 68131-39-5] (Rainbow Trout) 1.8mg/l
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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.
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15 REGULATORY INFORMATION

RISK PHRASES

NC	Not classified.
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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. As amended in 2005. 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.) plus Changes required for REACH (additions to Section 1 and change of order of sections 2 and 3).

PROTECT RTU

REVISION DATE 07/01/09

REV. NO./REPL. SDS Issue 4

GENERATED

RISK PHRASES IN FULL

R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

R21/22 Harmful in contact with skin and if swallowed.

R22 Harmful if swallowed.

R34 Causes burns.

R37 Irritating to respiratory system.

R41 Risk of serious damage to eyes.

R50 Very toxic to aquatic organisms.