



# SAFETY DATA SHEET

## EST-EEM

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

**PRODUCT NAME:** EST-EEM

**PART No.:** A026

**IN-HOUSE No.:** P.71

**APPLICATIONS:** Quaternary Ammonium based sanitiser and Disinfectant , for Food Industry.

**SUPPLIER:** Evans Vanodine International  
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### 2 COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT NAME	EINECS No.	CAS No.	CONTENTS	SYMBOL	RISK (R No.)
QUATERNARY AMMONIUM COMPOUNDS	264-151-6	63449-41-2	1-5 %	C, N	21/22, 34, 50
2-AMINOETHANOL	205-483-3	141-43-5	1-5 %	Xn	20, 36/37/38
TRISODIUM NITRILLO TRIACETATE	225-768-6	5064-31-3	1-5 %	Xi	36/38
C13-15 ALCOHOL ETHOXYLATE (7EO)		68131-39-5	1-5 %	Xn, Xi	22, 41, 50

The full text for all R-phrases are shown in section 16.

### 3 HAZARDS IDENTIFICATION

Irritating to eyes.

### 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:** Wash skin with soap and water.

**EYES:** Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

### 5 FIRE FIGHTING MEASURES

**EXTINGUISHING MEDIA:** This material is not flammable. Use extinguishing media appropriate for surrounding fire.

**HAZARDOUS DECOMPOSITION PRODUCTS:** 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.

# EST-EEM

## 6 ACCIDENTAL RELEASE MEASURES

### PERSONAL PRECAUTIONS DURING SPILL:

Avoid contact with eyes.

### PRECAUTIONS TO PROTECT ENVIRONMENT:

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

### SPILL CLEANUP METHODS:

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

## 7 HANDLING AND STORAGE

### USAGE PRECAUTIONS:

Avoid contact with eyes

### STORAGE PRECAUTIONS:

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

## 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

INGREDIENT NAME	CAS No	STD	LT EXP (8 hrs)	ST EXP (15 min)
2-AMINOETHANOL	141-43-5	OES	3 ppm	6 ppm

### INGREDIENT COMMENTS:

OES = Occupational Exposure Standard.

### VENTILATION:

Not applicable.

### RESPIRATORS:

None required.

### PROTECTIVE GLOVES:

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

### EYE PROTECTION:

Eye protection recommended.

### OTHER PROTECTION:

None required.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Liquid.	COLOUR:	Pale Straw.
ODOUR/TASTE:	Faint surfactant		
SOLUBILITY DESCRIPTION:	Soluble in water.		
BOILING POINT (°C):	101 @ 760mmHg	MELTING POINT (°C):	-1
SPECIFIC GRAVITY (Water=1):	1.016 @ 20 °C	pH-VALUE, CONC:	11.00
FLASH POINT (°C):	boils without flashing		

## 10 STABILITY AND REACTIVITY

### STABILITY:

No particular stability concerns.

### MATERIALS TO AVOID:

None.

## 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

### ENVIRONMENTAL HAZARDS:

Not regarded as dangerous for the environment.

### BIO ACCUMULATION:

Completely soluble. No bioaccumulation.

### 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.

# EST-EEM

## 14 TRANSPORT INFORMATION

**GENERAL:** Not classified for Transport.  
**ROAD:**  
**RAIL:**  
**SEA:**  
**AIR:**

## 15 REGULATORY INFORMATION

**LABEL FOR SUPPLY:**



IRRITANT

**RISK PHRASES:** R-36 Irritating to eyes.

**SAFETY PHRASES:** S-2 Keep out of reach of children.  
S-25 Avoid contact with eyes.  
S-26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S-46 If swallowed seek medical advice immediately and show this container label.

**UK ENVIRONMENTAL LISTINGS:** Control of Pollution (Special Waste) Regulations 1980.  
**EC DIRECTIVES:** System of specific information relating to Dangerous Preparations. 91/155.  
As amended by Directive 93/112/EC and 2001/58/EC.

**STATUTORY INSTRUMENTS:** Chemicals (Hazard Information and Packaging) Regulations. 2002

**APPROVED CODE OF PRACTICE:** The compilation of safety Data Sheets L130.  
**GUIDANCE NOTES:** Occupational 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:** Revised in accordance with CHIP 2002.  
New SDS system.

**REVISION DATE:** 01/04/03

**REVISION No. /REPLACES SDS ISSUED:**

**SDS No.:** A026

**R-PHRASES (Full Text):** R-20 Harmful by inhalation.  
R-22 Harmful if swallowed.  
R-34 Causes burns.  
R-41 Risk of serious damage to eyes.  
R-21/22 Harmful in contact with skin and if swallowed.  
R-36/37/38 Irritating to eyes, respiratory system and skin.  
R-36/38 Irritating to eyes and skin.  
R-50 Very toxic to aquatic organisms.