



SAFETY DATA SHEET

BEERLINE CLEANER

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY

PRODUCT NAME: BEERLINE CLEANER

PART No.: A005

IN-HOUSE No.: P.119

APPLICATIONS: Alkaline and Chlorine based Beer pipeline Cleaner

SUPPLIER: Evans Vanodine International
Brierley Road
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Preston. PR5 8AH

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2 COMPOSITION/INFORMATION ON INGREDIENTS

| INGREDIENT NAME | EINECS No. | CAS No. | CONTENTS | SYMBOL | RISK (R No.) |
|--|------------|-----------|----------|--------|--------------|
| 2-PHOSPHONO-1,2,4-BUTANE TRICARBOXYLIC ACID TRISODIUM SALT | | | 1-5 % | C | 34 |
| SODIUM HYDROXIDE | 215-185-5 | 1310-73-2 | 1-5 % | C | 35 |
| SODIUM HYPOCHLORITE | 231-668-3 | 7681-52-9 | 1-5 % | C | 31, 34 |

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

3 HAZARDS IDENTIFICATION

Causes burns.
Contact with Acids liberates toxic gases.

4 FIRST AID MEASURES

INHALATION: Not relevant. Inhalation unlikely.

INGESTION: DO NOT INDUCE VOMITING! Rinse mouth thoroughly. Drink a few glasses of water or milk. Get medical attention immediately!

SKIN: Wash the skin immediately with soap and water. Get medical attention promptly if symptoms occur after washing.

EYES: 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 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.

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6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS DURING SPILL:

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

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:

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

STORAGE PRECAUTIONS:

Store in a cool place away from light. Keep in original container. Keep containers tightly closed.

8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

| INGREDIENT NAME | CAS No | STD | LT EXP (8 hrs) | ST EXP (15 min) |
|------------------|-----------|-----|-------------------|--------------------|
| SODIUM HYDROXIDE | 1310-73-2 | OES | No std. | 2 mg/m3 |

INGREDIENT COMMENTS:

OES = Occupational Exposure Standard.

PROTECTIVE EQUIPMENT:



VENTILATION:

Not applicable.

RESPIRATORS:

None required.

PROTECTIVE GLOVES:

Household rubber gloves.

EYE PROTECTION:

Use approved safety goggles or face shield.

OTHER PROTECTION:

Wear suitable protective clothing.

9 PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|-----------------------------|------------------------|---------------------|-----------|
| APPEARANCE: | Liquid. | ODOUR/TASTE: | Chlorine. |
| COLOUR: | Colourless. Clear. | | |
| SOLUBILITY DESCRIPTION: | Soluble in water. | MELTING POINT (°C): | -3 |
| BOILING POINT (°C): | 102 @ 760mmHg | pH-VALUE: | 12.30 |
| SPECIFIC GRAVITY (Water=1): | 1.120 @ 20 °C | | |
| CONCENTRATION (%M): | 1:80 | | |
| FLASH POINT (°C): | Boils without flashing | | |

10 STABILITY AND REACTIVITY

STABILITY:

Inadequately vented containers may become pressurised.

CONDITIONS TO AVOID:

Heat and direct sunlight.

MATERIALS TO AVOID:

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

HAZARDOUS DECOMPOSITION PRODUCTS:

Toxic chlorine gas is released if product is mixed with acidic materials.

11 TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION:

Refer to section 3.

12 ECOLOGICAL INFORMATION

ENVIRONMENTAL HAZARDS:

Potentially hazardous due to the chlorinated alkaline nature of the product.

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BIO ACCUMULATION: Completely soluble. No bioaccumulation.
DEGRADABILITY: Sequestrant is readily degraded during biological effluent treatment processes.

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

LABEL FOR CONVEYANCE:



ROAD:
UN No: 1719
HAZARD CLASS (ADR): Class 8: Corrosive substances. **ADR PACK GR:** II
PROPER SHIPPING NAME I: CAUSTIC ALKALINE LIQUID, N.O.S. (sodium hydroxide solution and hypochlorite solution)

RAIL:
RAIL TRANSPORT CLASS No: Class 8: Corrosive substances. **RID PACK GR:** II

SEA:
UN SEA: 1719
SEA TRANSPORT CLASS No: Class 8: Corrosive substances. **SEA PACK GR:** II
MARINE POLLUTANT: No.

AIR:
UN AIR: 1719
AIR TRANSPORT CLASS No: Class 8: Corrosive substances. **AIR PACK GR:** II

15 REGULATORY INFORMATION

LABEL FOR SUPPLY:



CORROSIVE

RISK PHRASES: R-34 Causes burns.
R-31 Contact with acids liberates toxic gas.

SAFETY PHRASES: S-2 Keep out of reach of children.
S-36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
S-26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S-45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S-3/9/49 Keep only in the original container in a cool, well ventilated place.

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

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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.: Issue 1
A005

R-PHRASES (Full Text): R-31 Contact with acids liberates toxic gas.
R-34 Causes burns.
R-35 Causes severe burns.