



SAFETY DATA SHEET

T.S.R. 100

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

PRODUCT NAME	T.S.R. 100
PRODUCT NO.	A036
INTERNAL ID	P.143
APPLICATION	Heavy Duty, Alkaline liquid Cleaner for Traffic soil removal with pressure washer
SUPPLIER	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
TRISODIUM NITRILLO TRIACETATE	225-768-6	5064-31-3	5-10%	Xi;R36/38.
ALCOHOL (C9-C11) ETHOXYLATE (6EO)		68439-45-2	1-5%	Xn;R22. Xi;R41.
ALKYL DIMETHYLAMINE BETAINE		66455-29-6	1-5%	Xi;R38,R41.
SODIUM HYDROXIDE	215-185-5	1310-73-2	0-1%	C;R35

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

3 HAZARDS IDENTIFICATION

Irritating to eyes and skin.

CLASSIFICATION Xi;R36/38.

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. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

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

Avoid contact with eyes. Avoid contact with skin.

ENVIRONMENTAL PRECAUTIONS

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

T.S.R. 100**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**

Avoid contact with skin and eyes.

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
SODIUM HYDROXIDE	WEL				2 mg/m3

INGREDIENT COMMENTS

WEL = Workplace Exposure Limits

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

Eye protection recommended.

OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of skin contact.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid		
COLOUR	Clear Yellow		
ODOUR	Slight odour Ammonia		
SOLUBILITY	Soluble in water		
BOILING POINT (°C)	100 760 mm Hg	MELTING POINT (°C)	0
RELATIVE DENSITY	1.060 @ 20 °c	pH-VALUE, CONC. SOLUTION	13.00
FLASH POINT (°C)	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.

DEGRADABILITY

Sequestrant is readily degraded during biological effluent treatment processes.

13 DISPOSAL CONSIDERATIONS

T.S.R. 100**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

PROPER SHIPPING NAME	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (sodium hydroxide solution)		
UN NO. ROAD	3266	ADR CLASS	Class 8: Corrosive substances.
ADR PACK GROUP	III	RID CLASS NO.	Class 8: Corrosive substances.
RID PACK GROUP	III	UN NO. SEA	3266
IMDG CLASS	Class 8: Corrosive substances.	IMDG PACK GR.	III
MARINE POLLUTANT	No.	UN NO. AIR	3266
ICAO CLASS	Class 8: Corrosive substances.	AIR PACK GR.	III

15 REGULATORY INFORMATION**LABELLING**

Irritant

CONTAINS

SODIUM HYDROXIDE

RISK PHRASES

R36/38 Irritating to eyes and skin.

SAFETY PHRASES

S2 Keep out of the reach of children
 S24/25 Avoid contact with skin and eyes.
 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. 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. Material Safety Data Sheet, Misc. manufacturers.

REVISION COMMENTS

Change due to CHIP 3.1 (2005) OES or MEL replaced by WEL in section 8.

REVISION DATE 01/11/05

T.S.R. 100

REV. NO./REPL. SDS Issue 2
GENERATED

RISK PHRASES IN FULL

- R22 Harmful if swallowed.
- R35 Causes severe burns.
- R36/38 Irritating to eyes and skin.
- R38 Irritating to skin.
- R41 Risk of serious damage to eyes.