



SAFETY DATA SHEET

CYCLONE

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

PRODUCT NAME	CYCLONE
PRODUCT NO.	A154 EV
INTERNAL ID	P.100
APPLICATION	General thickened and perfumed Chlorine based Disinfectant Cleaner
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

Irritating to eyes and skin. Contact with acids liberates toxic gas. Very toxic to aquatic organisms.

CLASSIFICATION Xi;R36/38. N;R50. R31.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
SODIUM HYPOCHLORITE SOLUTION, ... % Cl ACTIVE	231-668-3	7681-52-9	1-5%	C;R34 R31 N;R50
SODIUM HYDROXIDE	215-185-5	1310-73-2	0-1%	C;R35
C10-16 ALKYL DIMETHYLAMINE OXIDE	274-687-2	70592-80-2	0-1%	Xi;R38,R41. N;R50.

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

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

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

CYCLONE

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

Avoid contact with eyes. Avoid contact with skin.

ENVIRONMENTAL PRECAUTIONS

This product is dangerous for the environment: 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

Avoid contact with skin and eyes. DO NOT mix with other chemicals.

STORAGE PRECAUTIONS

Keep in original container. Keep containers tightly closed. Store in a cool place. Protect from light, including direct sunrays.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	TWA - 8 hrs	STEL - 15 min	Notes
SODIUM HYDROXIDE	WEL		2 mg/m ³	

WEL = Workplace Exposure Limit.

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

Wear protective gloves. (Household rubber gloves.)

EYE PROTECTION

Eye protection recommended.

OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of skin contact.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Viscous Liquid		
COLOUR	Clear Pale Yellow		
ODOUR	Characteristic Hypochlorite and Perfume.		
SOLUBILITY	Soluble in water		
BOILING POINT (°C)	104	MELTING POINT (°C)	-4
RELATIVE DENSITY	1.079 @ 20 °c	pH-VALUE, CONC. SOLUTION	12.7
FLASH POINT (°C)	Boils without flashing		

10 STABILITY AND REACTIVITY

STABILITY

Inadequately vented containers may become pressurised.

CYCLONE

CONDITIONS TO AVOID

Avoid exposure to high temperatures or direct sunlight.

MATERIALS TO AVOID

Alkalis, acids, metal salts and reducing agents.

HAZARDOUS DECOMPOSITION PRODUCTS

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

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

Dangerous for the environment: Very toxic to aquatic organisms.

LC 50, 96 Hrs, FISH mg/l Sodium Hypochlorite [CAS N°7681-52-9] 0.03 - 0.2mg/l

BIOACCUMULATION

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

DEGRADABILITY

Rapidly degrades to Sodium Chloride by chemical reaction with organic matter in effluent.

ACUTE FISH TOXICITY

Very toxic to aquatic organisms.

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



PROPER SHIPPING NAME HYPOCHLORITE SOLUTION

ROAD TRANSPORT NOTES Please note : Product in pack size of 5 Litres or less is classed as a "Limited Quantity" for Transport and so will have the white UN 1791 Transport hazard diamond. Pack size greater than 5 litres will have the Black & White halved diamond Corrosive UN 1791 Transport hazard diamond.

UN NO. ROAD	1791	ADR CLASS	Class 8: Corrosive substances.
ADR PACK GROUP	III	TUNNEL RESTRICTION CODE	(E)
RID CLASS NO.	Class 8: Corrosive substances.	RID PACK GROUP	III
UN NO. SEA	1791	IMDG CLASS	Class 8: Corrosive substances.
IMDG PACK GR.	III	MARINE POLLUTANT	Yes.
UN NO. AIR	1791		

CYCLONE**AIR CLASS**Class 8: Corrosive
substances.**AIR PACK GR.**

III

15 REGULATORY INFORMATION**LABELLING**

Irritant

Dangerous for the
environment**RISK PHRASES**

R36/38 Irritating to eyes and skin.
 R31 Contact with acids liberates toxic gas.
 R50 Very toxic to aquatic organisms.

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/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

Change to Transport Classification. (Changes made to sections 14 & 16)

REVISION DATE 16/07/09**REV. NO./REPL. SDS** Issue 4**GENERATED****RISK PHRASES IN FULL**

R31 Contact with acids liberates toxic gas.
 R34 Causes burns.
 R35 Causes severe burns.
 R38 Irritating to skin.
 R41 Risk of serious damage to eyes.
 R50 Very toxic to aquatic organisms.