



# SAFETY DATA SHEET

## CYCLONE

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

<b>PRODUCT NAME</b>	CYCLONE
<b>PRODUCT NO.</b>	A154 EV
<b>INTERNAL ID</b>	P.100
<b>APPLICATION</b>	General thickened and perfumed Chlorine based Disinfectant Cleaner
<b>SUPPLIER</b>	Evans Vanodine International Brierley Road Walton Summit Preston. PR5 8AH Tel: 01772 322 200 Fax: 01772 626 000 qclab@evansvanodine.co.uk
<b>EMERGENCY TELEPHONE</b>	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 (1999/45)** Xi;R36/38. N;R50. R31.

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification (67/548)
SODIUM HYPOCHLORITE SOLUTION, ... % CI 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

When heated and in case of 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/m3	

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 with black points Transport hazard diamond. Pack size greater than 5 litres will have the Black & White halved diamond Corrosive UN 1791 Transport hazard diamond.

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

# CYCLONE

## 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

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

### 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 Labeling 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

Description of Limited Quantity label changed. (Changes to sec 14 & 16)

REVISION DATE 11/08/11

REV. NO./REPL. SDS Issue 5

### GENERATED

### SAFETY DATA SHEET STATUS

The Risk Phrases listed below in this Section No 16 relate to the Raw Materials in the Product (as listed in Section 3) and NOT the product itself. For the Risk Phrases relating to this Product see Sections 2 & 15.

### RISK PHRASES IN FULL

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