SAFETY DATA SHEET
CYCLONE

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name CYCLONE
Product No. A154 EV
Internal Id Janitorial - Disinfectant Section

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses General thickened and perfumed Chlorine based Disinfectant Cleaner

1.3. Details of the supplier of the safety data sheet

Supplier

Evans Vanodine International
Brierley Road
Walton Summit
Preston. PR5 8AH
Tel: 01772 322 200
Fax: 01772 626 000
qclab@evansvanodine.co.uk

1.4. Emergency telephone number

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

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (1999/45/EEC) Xi;R36/38. N;R50. R31.

2.2. Label elements

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.

2.3. Other hazards

This product does not contain any PBT or vPvB substances.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

SODIUM HYPOCHLORITE SOLUTION, ... % Cl ACTIVE		1-5%
CAS-No.: 7681-52-9	EC No.: 231-668-3	
Classification (EC 1272/2008)	Classification (67/548/EEC)	
EUH031	C;R34	
Skin Corr. 1B - H314	R31	
Aquatic Acute 1 - H400	N;R50	

SODIUM HYDROXIDE		0-1%
CAS-No.: 1310-73-2	EC No.: 215-185-5	Registration Number: 01-2119457892-27-xxxx
Classification (EC 1272/2008)	Classification (67/548/EEC)	
Skin Corr. 1A - H314	C;R35	

C10-16 ALKYL DIMETHYLAMINE OXIDE		0-1%
CAS-No.: 70592-80-2	EC No.: 274-687-2	
Classification (EC 1272/2008)	Classification (67/548/EEC)	
Skin Irrit. 2 - H315	Xi;R38,R41.	
Eye Dam. 1 - H318	N;R50.	
Aquatic Acute 1 - H400		

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation

Not relevant. Inhalation unlikely. In case of inhalation of spray mist: Move person into fresh air and keep at rest.

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.

4.2. Most important symptoms and effects, both acute and delayed

General information

The severity of the symptoms described will vary dependant of the concentration and the length of exposure.

Inhalation.

Irritation of nose, throat and airway.

Ingestion

May cause discomfort if swallowed.

Skin contact

Skin irritation. Prolonged skin contact may cause redness and irritation.

Eye contact

May cause temporary eye irritation. Prolonged contact may cause redness and/or tearing.

4.3. Indication of any immediate medical attention and special treatment needed

Treat Symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

5.2. Special hazards arising from the substance or mixture

Specific hazards

When heated and in case of fire, harmful vapours/gases may be formed.

5.3. Advice for firefighters

Protective equipment for fire-fighters

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with eyes. Avoid contact with skin.

6.2. 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.

6.3. Methods and material for containment and cleaning up

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.

6.4. Reference to other sections

For personal protection, see section 8.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

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

7.2. Conditions for safe storage, including any incompatibilities

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

7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

Usage Description

See Product Information Sheet & Label for detailed use of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
SODIUM HYDROXIDE	WEL				2 mg/m3	

WEL = Workplace Exposure Limit.

Ingredient Comments
STEL= Short-Term Exposure Limit (15 minute) & TWA = Time Weighted Average (8 hours).

8.2. Exposure controls

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.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Viscous Liquid
Colour	Clear Pale Yellow.
Odour	Characteristic Hypochlorite and Perfume.
Solubility	Soluble in water.
Initial boiling point and boiling range	104
Melting point (°C)	-4
Relative density	1.079 @ 20 °c
pH-Value, Conc. Solution	12.7
Flash point	Boils without flashing

9.2. Other information

None.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

Generates toxic gas in contact with acid.

10.2. Chemical stability

Inadequately vented containers may become pressurised.

10.3. Possibility of hazardous reactions

See sections 10.1, 10.4 & 10.5

10.4. Conditions to avoid

Avoid exposure to high temperatures or direct sunlight.

10.5. Incompatible materials

Materials To Avoid
Alkalis, acids, metal salts and reducing agents.

10.6. Hazardous decomposition products

Toxic chlorine gas is released if product is mixed with acidic materials. When heated, vapours/gases hazardous to health may be formed.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Toxicological information

We have not carried out any animal testing, therefore we have no Toxicological Data specifically for this product. The Toxicological Data, where provided by the raw material manufacturer, can be made available on request.

Other Health Effects

Low oral toxicity, but ingestion may cause irritation of the gastro-intestinal tract.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

Dangerous for the environment: Very toxic to aquatic organisms.

12.1. Toxicity

We have not carried out any Aquatic testing, therefore we have no Aquatic Toxicity Data specifically for this product. The Aquatic Toxicity Data, where provided by the raw material manufacturer for ingredients with aquatic toxicity, can be made available on request.

Acute Fish Toxicity

Very toxic to aquatic organisms.

12.2. Persistence and degradability

Degradability

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

12.3. Bioaccumulative potential

Bioaccumulative potential

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

12.4. Mobility in soil

Mobility:

Not known.

12.5. Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB substances.

12.6. Other adverse effects

Not known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment 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.

SECTION 14: TRANSPORT INFORMATION

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.

14.1. UN number

UN No. (ADR/RID/ADN)	1791
UN No. (IMDG)	1791
UN No. (ICAO)	1791

14.2. UN proper shipping name

Proper Shipping Name HYPOCHLORITE SOLUTION

14.3. Transport hazard class(es)

ADR/RID/ADN Class Class 8: Corrosive substances.

IMDG Class Class 8: Corrosive substances.

ICAO Class/Division Class 8: Corrosive substances.

Transport Labels

14.4. Packing group

ADR/RID/ADN Packing group III

IMDG Packing group III

ICAO Packing group III

14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant

14.6. Special precautions for user

Tunnel Restriction Code (E)

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not relevant for packaged product.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Guidance Notes

Workplace Exposure Limits EH40.

EU Legislation

Safety Data Sheet prepared in accordance with REACH Commission Regulation (EU) No 453/2010 (which amends Regulation (EC) No 1907/2006). The product is as classified under CHIP Directive 1999/45/EEC Classification, Packaging & Labelling of Dangerous Preparations. Ingredients are listed with classification under both CHIP - Directive 67/548/EEC - classification, packaging & labelling of dangerous substances & GHS/CLP-Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures.

15.2. Chemical Safety Assessment

Not applicable this product is a mixture.

SECTION 16: OTHER INFORMATION

Information Sources

Material Safety Data Sheet, Misc. manufacturers. CLP Class - Table 3.1 List of harmonised classification and labelling of hazardous substances. CHIP Class - Table 3.2 The list of harmonised classification and labelling of hazardous substances from Annex I to Directive 67/548/EEC.

Revision Comments

New Format Safety Data Sheet prepared in accordance with REACH Commission Regulation (EU) No 453/2010 (which amends Regulation (EC) No 1907/2006). - No change in Product Classification - Main change is the move of Labelling elements from Section 15 to Section 2 & Section 3 now has a different layout for the Ingredients and lists their classification in both CHIP & CLP format.

Revision Date	01/10/12
Revision	Issue 6
Safety Data Sheet Status	The Risk Phrases / Hazard Statements listed below in this Section No 16 relate to the Raw Materials (Ingredients) in the Product (as listed in Section 3) and NOT the product itself. For the Risk Phrases / Hazard Statements relating to this Product see Section 2.

Risk Phrases In Full

R34	Causes burns.
R35	Causes severe burns.
R31	Contact with acids liberates toxic gas.
R36/38	Irritating to eyes and skin.
R38	Irritating to skin.
R41	Risk of serious damage to eyes.
R50	Very toxic to aquatic organisms.

Hazard Statements In Full

H318	Causes serious eye damage.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
EUH031	Contact with acids liberates toxic gas.
H400	Very toxic to aquatic life.