



SAFETY DATA SHEET CYCLONE SPRAY

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name CYCLONE SPRAY
 Product number A004 EV
 Internal identification Janitorial - Disinfectant Section

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

Identified uses Spray with Bleach.

1.3. Details of the supplier of the safety data sheet

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

1.4. Emergency telephone number

Emergency telephone New Safety Data Sheets - 8.30am to 4.45pm - 01772 322 200 - Mon to Fri. (Also available
 24/7 from our website www.evansvanodine.co.uk) 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

Physical hazards Not Classified
 Health hazards Skin Irrit. 2 - H315 Eye Dam. 1 - H318
 Environmental hazards Not Classified

Classification (67/548/EEC or 1999/45/EC) Xi;R36.

2.2. Label elements

Pictogram



Signal word Danger
 Hazard statements H315 Causes skin irritation.
 H318 Causes serious eye damage.

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Precautionary statements	<p>P102 Keep out of reach of children.</p> <p>P280 Wear protective gloves/protective clothing/eye protection/face protection.</p> <p>P301 IF SWALLOWED:</p> <p>P313 Get medical advice/attention.</p> <p>P302+P352 IF ON SKIN: Wash with plenty of water.</p> <p>P332+P313 If skin irritation occurs: Get medical advice/attention.</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P315 Get immediate medical advice/attention.</p> <p>P501 Dispose of contents/container in accordance with local regulations.</p>
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Contains	SODIUM HYPOCHLORITE SOLUTION, ... % CI ACTIVE, SODIUM HYDROXIDE, ALKYL DIPHENYLOXIDE DISULPHONATE
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2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

SODIUM HYPOCHLORITE SOLUTION, ... % CI ACTIVE				1-3%
CAS number: 7681-52-9		EC number: 231-668-3		
M factor (Acute) = 10				
Classification		Classification (67/548/EEC or 1999/45/EC)		
Skin Corr. 1B - H314		C;R34 R31 N;R50		
Eye Dam. 1 - H318				
Aquatic Acute 1 - H400				
SODIUM LAUROYL SARCOSINATE				1-3%
CAS number: 137-16-6		EC number: 205-281-5		
Classification				
Eye Dam. 1 - H318				
SODIUM HYDROXIDE				0.1-1%
CAS number: 1310-73-2		EC number: 215-185-5		REACH registration number: 01-2119457892-27-xxxx
Classification		Classification (67/548/EEC or 1999/45/EC)		
Met. Corr. 1 - H290		C;R35		
Skin Corr. 1A - H314				
Eye Dam. 1 - H318				
ALKYL DIPHENYLOXIDE DISULPHONATE				0.1-1%
CAS number: —				
Classification				
Eye Dam. 1 - H318				
Aquatic Chronic 2 - H411				

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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	Unlikely route of exposure as the product does not contain volatile substances. If spray/mist has been inhaled, proceed as follows. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.
Ingestion	Do not induce vomiting. Give plenty of water to drink. Get medical attention.
Skin contact	Wash with plenty of water. Get medical attention if irritation persists after washing.
Eye contact	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse. Get medical attention immediately.

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

General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	Irritation of nose, throat and airway.
Ingestion	May cause discomfort if swallowed.
Skin contact	Causes skin irritation. Prolonged and frequent contact may cause redness and irritation.
Eye contact	Severe irritation, burning and tearing. Prolonged contact causes serious eye and tissue damage.

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

Notes for the doctor	Treat symptomatically.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.
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5.2. Special hazards arising from the substance or mixture

Specific hazards	Thermal decomposition or combustion products may include the following substances: Irritating gases or vapours.
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5.3. Advice for firefighters

Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Wear protective clothing, gloves, eye and face protection. For personal protection, see Section 8.
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6.2. Environmental precautions

Environmental precautions	This product is dangerous for the environment: Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.
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6.3. Methods and material for containment and cleaning up

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Methods for cleaning up Small Spillages: Flush away spillage with plenty of water. Large Spillages: Contain and absorb spillage with sand, earth or other non-combustible material. Collect and place in suitable waste disposal containers and seal securely.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Wear protective clothing, gloves, eye and face protection.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Keep only in the original container in a cool, well-ventilated place. Protect from light. Store away from the following materials: Acids.

7.3. Specific end use(s)

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

Occupational exposure limits

SODIUM HYDROXIDE

Short-term exposure limit (15-minute): WEL 2 mg/m³

WEL = Workplace Exposure Limit

8.2. Exposure controls

Protective equipment



Appropriate engineering controls Not relevant.

Eye/face protection Wear eye protection.

Hand protection Wear protective gloves. (Household rubber gloves.)

Other skin and body protection Wear appropriate clothing to prevent any possibility of skin contact.

Respiratory protection Respiratory protection not required.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance Liquid.

Colour Yellowish.

Odour Characteristic Hypochlorite

pH pH (concentrated solution): 13.2

Melting point -1°C

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Initial boiling point and range	101°C @ 760 mm Hg
Flash point	Boils without flashing.
Relative density	1.044 @ 20°C
Solubility(ies)	Soluble in water.

9.2. Other information

Other information	None.
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	Generates toxic gas in contact with acid.
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10.2. Chemical stability

Stability	Inadequately vented containers may become pressurised.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	See sections 10.1, 10.4 & 10.5
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10.4. Conditions to avoid

Conditions to avoid	Avoid exposure to high temperatures or direct sunlight.
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10.5. Incompatible materials

Materials to avoid	Alkalis, acids, metal salts and reducing agents.
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10.6. Hazardous decomposition products

Hazardous decomposition products	Toxic chlorine gas can be released if heated. When heated, vapours/gases hazardous to health may be formed.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects	We have not carried out any animal testing for this product. Any ATE figures quoted below are from Toxicity Classifications that have been carried out using ATE (Acute Toxicity Estimate) Calculation Method using LD50 or ATE figures provided by the Raw Material Manufacturer.
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Other health effects	Low oral toxicity, but ingestion may cause irritation of the gastro-intestinal tract.
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Acute toxicity - oral

Notes (oral LD₅₀)	Based on available data the classification criteria are not met.
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ATE oral (mg/kg)	25,000.0
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SECTION 12: Ecological Information

Ecotoxicity	Not regarded as dangerous for the environment.
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12.1. Toxicity

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.
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12.2. Persistence and degradability

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

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

Other adverse effects Not known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

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.

SECTION 14: Transport information

General Not classified for Transport.

14.1. UN number

14.2. UN proper shipping name

14.3. Transport hazard class(es)

14.4. Packing group

14.5. Environmental hazards

14.6. Special precautions for user

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

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not relevant. for a packaged product.

SECTION 15: Regulatory information

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

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 GHS/CLP- Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures.
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.

Guidance Workplace Exposure Limits EH40.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out as not applicable as this product is a mixture.

SECTION 16: Other information

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Key literature references and sources for data	Material Safety Data Sheet, Misc. manufacturers. CLP Class - Table 3.1 List of harmonised classification and labeling 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. ECHA - C&L Inventory database.
Revision comments	New product.
Revision date	15/10/2015
Revision	Issue 1
SDS 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	R36 Irritating to eyes.
Hazard statements in full	H290 May be corrosive to metals. H290 May be corrosive to metals. H314 Causes severe skin burns and eye damage. H314 Causes severe skin burns and eye damage. H315 Causes skin irritation. H315 Causes skin irritation. H318 Causes serious eye damage. H318 Causes serious eye damage. H400 Very toxic to aquatic life. H400 Very toxic to aquatic life. H411 Toxic to aquatic life with long lasting effects.