



SAFETY DATA SHEET CHLOR TABS

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

1.1. Product identifier

Product name	CHLOR TABS
Product number	C037 EV
Internal identification	Professional Hygiene
UFI	UFI: S06M-W1QY-VG06-RPQ0

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

Identified uses	Effervescent chlorine tablets for disinfection of surfaces & utensils in food processing & catering.
-----------------	--

1.3. Details of the supplier of the safety data sheet

Supplier	UK Supplier:	EU Supplier:
	Evans Vanodine International plc Brierley Road, Walton Summit, Preston. UK. PR5 8AH Tel: 01772 322 200 e-mail: productcompliance@evansvanodine.co.uk	Evans Vanodine Europe 6-9 Trinity Street, Dublin 2. D02 EY47. Republic of Ireland.

1.4. Emergency telephone number

Emergency telephone	New Safety Data Sheets - 01772 322 200 - Mon to Thur. 8.30am to 4.30pm - Fri 8.30am to 1.30pm (Also available 24/7 from our website www.evansvanodine.co.uk) For Technical Advice about this SDS - 01772 318 818 - Mon to Thur 8.30am to 4.45pm - Fri 8.30am to 1.30pm
---------------------	--

National emergency telephone number	For Health Care Professionals only - For use in UK: Contact the National Poisons Information Service for further advice. For use in the Republic of Ireland: To report a poisoning incident contact The National Poisons Information Centre, Beaumont Hospital, Dublin (01-8092166). For use in Malta: Emergency services (Ambulance, Fire and Rescue, Police) : 112
-------------------------------------	---

SECTION 2: Hazards identification

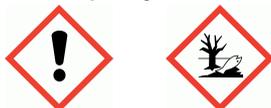
2.1. Classification of the substance or mixture

Classification (SI 2019 No. 720)

Physical hazards	Not Classified
Health hazards	Eye Irrit. 2 - H319 STOT SE 3 - H335
Environmental hazards	Aquatic Chronic 1 - H410

2.2. Label elements

Hazard pictograms



CHLOR TABS

Signal word	Warning
Hazard statements	H319 Causes serious eye irritation. H335 May cause respiratory irritation. H410 Very toxic to aquatic life with long lasting effects.
Precautionary statements	P102 Keep out of reach of children. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P273 Avoid release to the environment. P301 IF SWALLOWED: P315 Get immediate medical advice/ attention. P337+P313 If eye irritation persists: Get medical advice/ attention. P403+P233 Store in a well-ventilated place. Keep container tightly closed. P501 Dispose of contents/ container in accordance with local regulations.
Supplemental label information	EUH031 Contact with acids liberates toxic gas.
Contains	TROCLOSENE SODIUM (Sodium Dichloroisocyanurate)

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB. Including - Endocrine disrupting properties: None known.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

TROCLOSENE SODIUM (Sodium Dichloroisocyanurate)	30-60%
CAS number: 2893-78-9 EC number: 220-767-7	
M factor (Chronic) = 1	
Spec Conc Limits :- STOT SE 3 (H335) >=10%, EUH031 >=10%	
Classification	
Ox. Sol. 2 - H272	
Acute Tox. 4 - H302	
Eye Irrit. 2 - H319	
STOT SE 3 - H335	
Aquatic Chronic 1 - H410	
ADIPIC ACID	20-25%
CAS number: 124-04-9 EC number: 204-673-3	
Classification	
Eye Irrit. 2 - H319	
SODIUM CARBONATE	3-5%
CAS number: 497-19-8 EC number: 207-838-8	
Classification	
Eye Irrit. 2 - H319	

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

SECTION 4: First aid measures

CHLOR TABS

4.1. Description of first aid measures

Inhalation	Move affected person to fresh air at once. Get medical attention if any discomfort continues.
Ingestion	Do not induce vomiting. Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention immediately.
Skin contact	Wash with plenty of water.
Eye contact	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention immediately. Continue to rinse.

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 stomach pain or vomiting.
Skin contact	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

Notes for the doctor	Treat symptomatically.
-----------------------------	------------------------

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Oxidising - Supports combustion. Extinguish with the following media: Water spray, foam, dry powder or carbon dioxide.
-------------------------------------	--

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. Oxidising. The product increases the risk of fire and may accelerate combustion.
-------------------------	--

5.3. Advice for firefighters

Special protective equipment for firefighters	Keep containers cool by spraying with water to reduce explosion risks. Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.
--	--

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Avoid contact with eyes. Avoid inhalation of dust.
-----------------------------	--

6.2. Environmental precautions

Environmental precautions	Dangerous for the environment. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.
----------------------------------	--

6.3. Methods and material for containment and cleaning up

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.
------------------------------------	---

CHLOR TABS

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Avoid contact with eyes. Avoid inhalation of dust. Do not mix with acid. Contact with acids liberates toxic gas.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Keep away from flammable and combustible materials. Keep in a cool place. Store in tightly-closed, original container in a dry, cool and well-ventilated place. Protect from light. Store away from the following materials: Acids. & Reducing agents.

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 CARBONATE

Long-term exposure limit (8-hour TWA): WEL 5 mg/m³

WEL = Workplace Exposure Limit.

Ingredient comments No exposure limits known for ingredient(s).

SODIUM BICARBONATE (Sodium Hydrogen Carbonate) (CAS: 144-55-8)

Ingredient comments No exposure limits known for ingredient(s).

8.2. Exposure controls

Appropriate engineering controls This product must not be handled in a confined space without adequate ventilation.

Eye/face protection Eye protection recommended.

Hand protection No specific hand protection noted, but protection for the skin is advisable to prevent removal of natural oils from skin.

Other skin and body protection None required.

Respiratory protection Respiratory protection not required.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Tablet.
Colour	White.
Odour	Faint Chlorine.
pH	pH (diluted solution): 5.0 - 6.0 @ 1%
Melting point	Not applicable.
Initial boiling point and range	Not applicable.
Flash point	Not applicable.

CHLOR TABS

Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	Not applicable.
Vapour pressure	Not applicable.
Vapour density	Not applicable.
Relative density	Not applicable.
Solubility(ies)	Soluble in water.
Partition coefficient	Not applicable.
Auto-ignition temperature	Not applicable.
Decomposition Temperature	Not applicable.
Viscosity	Not applicable.
<u>9.2. Other information</u>	
Other information	None.
Particle size	Not applicable.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity Generates toxic gas in contact with acid. Strong reducing agents.

10.2. Chemical stability

Stability No particular stability concerns.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions See sections 10.1,10.4 & 10.5

10.4. Conditions to avoid

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

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

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.

Acute toxicity - oral

Notes (oral LD₅₀) Based on available data the classification criteria are not met.

ATE oral (mg/kg) 2,709.44

Acute toxicity - dermal

CHLOR TABS

Summary	Not applicable.
<u>Acute toxicity - inhalation</u>	
Summary	Not applicable.
<u>Skin corrosion/irritation</u>	
Summary	Not applicable.
<u>Serious eye damage/irritation</u>	
Serious eye damage/irritation	Causes serious eye irritation.
<u>Respiratory sensitisation</u>	
Summary	Not applicable.
<u>Skin sensitisation</u>	
Summary	Not applicable.
<u>Germ cell mutagenicity</u>	
Summary	Not applicable.
<u>Carcinogenicity</u>	
Summary	Not applicable.
<u>Reproductive toxicity</u>	
Summary	Not applicable.
<u>Specific target organ toxicity - single exposure</u>	
STOT - single exposure	May cause respiratory irritation.
<u>Specific target organ toxicity - repeated exposure</u>	
Summary	Not applicable.
<u>Aspiration hazard</u>	
Summary	Not applicable.
11.2 Information on other Hazards 11.2.1 Endocrine disrupting properties	None known.

SECTION 12: Ecological information

Ecotoxicity	Dangerous for the environment. The product contains a substance which is very toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment. Potentially hazardous due to the chlorinated alkaline nature of the product.
<u>12.1. Toxicity</u>	
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.
<u>12.2. Persistence and degradability</u>	
Persistence and degradability	This product, at use dilutions, is readily broken down in biological effluent treatment plants.
<u>12.3. Bioaccumulative potential</u>	
Bioaccumulative potential	The product does not contain any substances expected to be bioaccumulating.
Partition coefficient	Not applicable.

CHLOR TABS

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 Endocrine disrupting properties None known.

12.6. Other adverse effects

Other adverse effects Now section 12.7: None 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 As supplied, this product is consigned under the Limited Quantities provisions.

14.1. UN number

UN No. (ADR/RID) 3077

UN No. (IMDG) 3077

UN No. (ICAO) 3077

14.2. UN proper shipping name

Proper shipping name (ADR/RID) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (sodium dichloroisocyanurate)

Proper shipping name (IMDG) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (sodium dichloroisocyanurate)

Proper shipping name (ICAO) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (sodium dichloroisocyanurate)

14.3. Transport hazard class(es)

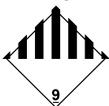
ADR/RID class Class 9: Environmentally Hazardous Substance

ADR/RID label 9

IMDG class Class 9: Environmentally Hazardous Substance

ICAO class/division Class 9: Environmentally Hazardous Substance

Transport labels



14.4. Packing group

ADR/RID packing group III

IMDG packing group III

CHLOR TABS

ICAO packing group III

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant



14.6. Special precautions for user

EmS F-A, S-F

ADR transport category 3

Tunnel restriction code (-)

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

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 EU Regulation: "REACH Commission Regulation (EU) No 2020/878 (which amends Regulation (EC) No 2015/830, 453/2010 & 1907/2006)." and UK Regulation: "SI 2020 No. 1577 - The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020.".

The product is as classified under - EU GHS: CLP - "Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures." and UK GHS: "SI 2020 No. 1567 - The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2020.".

Ingredients are listed with classification under - EU GHS: CLP - "Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures." and UK GHS: "SI 2020 No. 1567 - The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2020.".

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

Abbreviations and acronyms used in the safety data sheet

PBT: Persistent, Bioaccumulative and Toxic substance.
 vPvB: Very Persistent and Very Bioaccumulative.
 ATE: Acute Toxicity Estimate.
 REACH: The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577.
 GHS: Globally Harmonized System.
 Spec Conc Limits = Specific Concentration Limits.

Classification abbreviations and acronyms

Acute Tox. = Acute toxicity
 Aquatic Chronic = Hazardous to the aquatic environment (chronic)
 Eye Irrit. = Eye irritation
 Ox. Sol. = Oxidising solid
 STOT SE = Specific target organ toxicity-single exposure

Key literature references and sources for data

Material Safety Data Sheet, Miscellaneous manufacturers. CLP Class - Table 3.1 List of harmonised classification and labelling of hazardous substances. ECHA - C&L Inventory database.

Classification procedures according to SI 2019 No. 720

Calculation Method.

CHLOR TABS

Revision comments	New Format Safety Data Sheet prepared in accordance with REACH Commission Regulation (EU) No 2020/878 (which amends Regulation (EC) No 453/2010 & 1907/2006). - No change in Product Classification. (Changes made to sections 2,3,9,11,12,15+16)
Revision date	10/12/2022
Revision	8
SDS status	The 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 Hazard Statements relating to this Product see Section 2.
Hazard statements in full	H272 May intensify fire; oxidiser. H302 Harmful if swallowed. H319 Causes serious eye irritation. H335 May cause respiratory irritation. H410 Very toxic to aquatic life with long lasting effects.