

















COSHH assessment compliant with The Control of Substances Hazardous to Health Regulations 2002 (as amended)

Product/code:	Chlorine Tablets – 33-001
Quantity:	Tub of 200 tablets
Usage:	Cleaner and disinfectant
Overall risk level: (H/M/L)	Medium
Assessed/date:	James Crompton July 2020

Product labelling hazard identification

Old	Phrase	New CLP	Phrase	Applies
	Dangerous to the Environment		Hazardous to the environment	Yes
	Explosive		Explosive (Self-reactive, organic peroxide)	No
	Very Toxic / Toxic		Acute toxicity, (Fatal),	No
	Corrosive		Corrosive (causes severe skin burns and eye damage)	No
	Harmful/Irritant		Health hazard (Harmful skin irritation, serious eye irritation)	Yes
	Highly/ Extremely Flammable		Flammable (Gasses, liquids, solids, aerosols, organic peroxides, self-reactive, pyrophoric, self-heating, contact with water emits flammable gas)	No

	Oxidising		Oxidising (Gases, liquids, solids)	No
			Gas under pressure	No
			Serious health hazard (Sensitiser, mutagen, carcinogen, systemically toxic)	No

Suppliers datasheet

MSDS sheet ref	Chlorine Tablets Effervescent
MSDS date:	08/04/2015


Assessment





Physical attributes of the substance	Tablet
Group or individual risk effects	Individual
How exposure can occur	Skin or eye contact due to splashing.
Frequency, likelihood and extent of exposure	Low
People exposed	Cleaner
Current control measures	Gloves and eye protection if splashing likely.
Effectiveness of existing controls	Effective
Combined work activity hazards that may increase risk	None
Potential health effects	Skin irritation or eye damage.
Health effect term (short/long)	Short
Exposure monitoring/Health surveillance required	No
Information, instruction and training required	Use as instructions.
Emergency arrangements:	
Eye contact	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at



	least 15 minutes. Get medical attention if irritation persists after washing. Show this Safety Data Sheet to the medical personnel.
Skin contact	Rinse immediately with plenty of water. Remove contaminated clothing. Get medical attention if irritation persists after washing.
Inhalation	Move affected person to fresh air at once. Rise nose & mouth with water. Get medical attention if any discomfort continues.
Ingestion	Do not induce vomiting. Rinse mouth thoroughly with water. Give plenty of water to drink. Keep affected person under observation. Get medical attention if any discomfort continues. Show this Safety Data Sheet to the medical personnel.
Fire	Product is potentially flammable with the release of chlorine gas. May intensify fire; oxidiser. Chlorine gas (toxic) will be liberated if mixed with acids. Minimal risk of spillage if caps are firmly in place. Lids are not child proof. Restrict access to storage areas to authorised personnel. Keep the store well ventilated. Clear up spills immediately. Store away from all incompatible and combustible materials. Use oldest stock first. Make regular checks to ensure that container is not split or blown/damaged. Make regular checks to ensure that storage area is clean and dry.
Spillage	Stop leak if possible without risk. Flush away spillage with plenty of water. Absorb spillage with non-combustible, absorbent material. Do not discharge into drains or watercourses or onto the ground. Absorb in vermiculite, dry sand or earth and place into containers. Do not use paper or sawdust. Provide adequate ventilation. Flush contaminated area with plenty of water. Avoid the spillage or runoff entering drains, sewers or watercourses.

Controls measures

Control	Description	Required
	Wash hands before eating, drinking or smoking	Yes

	PVC/Synthetic rubber gloves to be worn	Wear gloves.
	Splash proof goggles, close fitting eye protection or face shield to be worn	Wear eye protection if splashing is possible.
	Use in a well-ventilated area	Yes
	Coveralls or protective work wear to be worn	Normal workwear.
Other requirements		

Assessment review must happen if any of the following occur:

- The usage changes in a way that makes this assessment invalid
- A health effect is noted or suspected to be linked to this material
- An updated MSDS sheet is issued
- A concern is raised by an employee
- If updated or increased adverse health effect knowledge becomes available

SAFETY DATA SHEET
CHLORINE TABLETS EFFERVESCENT

Page: 1

Compilation date: 08/04/2015

Revision No: 1

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

1.1. Product identifier

Product name: ANDARTA CHLORINE TABLETS (TUB OF 200)

Product code: 33-001

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

1.3. Details of the supplier of the safety data sheet

Company name: Arrow County Supplies

Arrow House

Longden Road

Shrewsbury

SY3 9AE

United Kingdom

Tel: 01743 283600

Fax: 01743 283601

Email: sales@arrowcounty.com

1.4. Emergency telephone number

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CHIP: Xn: R22; -: R31; Xi: R36/37; N: R50/53

Classification under CLP: Acute Tox. 4: H302; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319;
STOT SE 3: H335; -: EUH031

Most important adverse effects: Harmful if swallowed. Contact with acids liberates toxic gas. Irritating to eyes and respiratory system. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

2.2. Label elements

Label elements under CLP:

Hazard statements: EUH031: Contact with acids liberates toxic gas.

H302: Harmful if swallowed.

H319: Causes serious eye irritation.

H335: May cause respiratory irritation.

H400: Very toxic to aquatic life.

H410: Very toxic to aquatic life with long lasting effects.

Signal words: Warning

Hazard pictograms: GHS07: Exclamation mark

GHS09: Environmental

SAFETY DATA SHEET

CHLORINE TABLETS EFFERVESCENT

Page: 2



Precautionary statements: P271: Use only outdoors or in a well-ventilated area.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P301+312: IF SWALLOWED: Call a POISON CENTRE or doctor if you feel unwell.
P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312: Call a POISON CENTRE or doctor if you feel unwell.

Label elements under CHIP:

Hazard symbols: Dangerous for the environment.
Harmful.



Risk phrases: R22: Harmful if swallowed.
R31: Contact with acids liberates toxic gas.
R36/37: Irritating to eyes and respiratory system.
R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases: S61: Avoid release to the environment. Refer to special instructions / safety data sheets.

2.3. Other hazards

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

DICHLORO-1,3,5-TRIAZINETRIONE, SODIUM SALT OF

EINECS	CAS	CHIP Classification	CLP Classification	Percent
220-767-7	2893-78-9	O: R8; Xn: R22; -: R31; Xi: R36/37; N: R50/53	Ox. Sol. 2: H272; Acute Tox. 4: H302; Eye Irrit. 2: H319; STOT SE 3: H335; Aquatic Chronic 1: H410; Aquatic Acute 1: H400; -: EUH031	50-70%

[cont...]

SAFETY DATA SHEET

CHLORINE TABLETS EFFERVESCENT

Page: 3

ADIPIIC ACID

204-673-3	124-04-9	Xi: R36	Eye Irrit. 2: H319	10-30%
-----------	----------	---------	--------------------	--------

SODIUM CARBONATE

207-838-8	497-19-8	Xi: R36	Eye Irrit. 2: H319	1-10%
-----------	----------	---------	--------------------	-------

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.

Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.

Ingestion: Wash out mouth with water. Consult a doctor.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

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

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and redness. The eyes may water profusely.

Ingestion: There may be soreness and redness of the mouth and throat.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

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

Immediate / special treatment: Eye bathing equipment should be available on the premises.

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used.

5.2. Special hazards arising from the substance or mixture

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not create dust.

[cont...]

SAFETY DATA SHEET

CHLORINE TABLETS EFFERVESCENT

Page: 4

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Transfer to a closable, labelled salvage container for disposal by an appropriate method.

6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS.

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area.
Do not handle in a confined space. Avoid the formation or spread of dust in the air.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in cool, well ventilated area. Keep container tightly closed. The floor of the storage room must be impermeable to prevent the escape of liquids.

7.3. Specific end use(s)

Specific end use(s): No data available.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Workplace exposure limits: No data available.

DNEL/PNEC Values

DNEL / PNEC No data available.

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area. The floor of the storage room must be impermeable to prevent the escape of liquids.

Respiratory protection: Self-contained breathing apparatus must be available in case of emergency. Respiratory protective device with particle filter.

Hand protection: Protective gloves.

Eye protection: Safety glasses. Ensure eye bath is to hand.

Skin protection: Protective clothing.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Powder

Colour: White

Odour: Characteristic odour

[cont...]

SAFETY DATA SHEET

CHLORINE TABLETS EFFERVESCENT

Page: 5

Solubility in water: Soluble

Boiling point/range °C: >35

Flash point °C: >93

9.2. Other information

Other information: No data available.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.
Decomposition may occur on exposure to conditions or materials listed below.

10.4. Conditions to avoid

Conditions to avoid: Heat.

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents. Strong acids. Water.

10.6. Hazardous decomposition products

Section 11: Toxicological information

11.1. Information on toxicological effects

Hazardous ingredients:

DICHLORO-1,3,5-TRIAZINETRIONE, SODIUM SALT OF

ORL	RAT	LD50	1420	mg/kg
ORL	RBT	LDLO	2500	mg/kg

ADIPIIC ACID

IVN	MUS	LD50	680	mg/kg
ORL	MUS	LD50	1900	mg/kg
ORL	RAT	LD50	>11	gm/kg

SODIUM CARBONATE

ORL	MUS	LD50	6600	mg/kg
ORL	RAT	LD50	4090	mg/kg

[cont...]

SAFETY DATA SHEET
CHLORINE TABLETS EFFERVESCENT

Page: 6

SCU	MUS	LD50	2210	mg/kg
-----	-----	------	------	-------

Relevant effects for mixture:

Effect	Route	Basis
Acute toxicity (harmful)	ING	Hazardous: calculated
Irritation	OPT INH	Hazardous: calculated

Symptoms / routes of exposure

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and redness. The eyes may water profusely.

Ingestion: There may be soreness and redness of the mouth and throat.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

Section 12: Ecological information

12.1. Toxicity

Ecotoxicity values: No data available.

12.2. Persistence and degradability

Persistence and degradability: Not biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: Bioaccumulation potential.

12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Other adverse effects: Toxic to aquatic organisms. Toxic to soil organisms.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

[cont...]

SAFETY DATA SHEET

CHLORINE TABLETS EFFERVESCENT

Page: 7

14.1. UN number

UN number: UN3077

14.2. UN proper shipping name

Shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.

14.3. Transport hazard class(es)

Transport class: 9

14.4. Packing group

Packing group: III

14.5. Environmental hazards

Environmentally hazardous: Yes

Marine pollutant: No

14.6. Special precautions for user

Special precautions: No special precautions.

Tunnel code: E

Transport category: 3

Section 15: Regulatory information

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

15.2. Chemical Safety Assessment

Section 16: Other information

Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

* indicates text in the SDS which has changed since the last revision.

Phrases used in s.2 and s.3: EUH031: Contact with acids liberates toxic gas.

H272: May intensify fire; oxidiser.

H302: Harmful if swallowed.

H319: Causes serious eye irritation.

H335: May cause respiratory irritation.

H400: Very toxic to aquatic life.

H410: Very toxic to aquatic life with long lasting effects.

R8: Contact with combustible material may cause fire.

R22: Harmful if swallowed.

R31: Contact with acids liberates toxic gas.

R36/37: Irritating to eyes and respiratory system.

R36: Irritating to eyes.

R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

[cont...]

SAFETY DATA SHEET
CHLORINE TABLETS EFFERVESCENT

Page: 8

Legend to abbreviations: PNEC = predicted no effect concentration

DNEL = derived no effect level

LD50 = median lethal dose

LC50 = median lethal concentration

EC50 = median effective concentration

IC50 = median inhibitory concentration

dw = dry weight

bw = body weight

cc = closed cup

oc = open cup

MUS = mouse

GPG = guinea pig

RBT = rabbit

HAM = hamster

HMN = human

MAM = mammal

PGN = pigeon

IVN = intravenous

SCU = subcutaneous

SKN = skin

DRM = dermal

OCC = ocular/corneal

OPT = optical

INH = inhalation

PCP = physico-chemical properties

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.