

CHLORWASH CONCENTRATE POWDER



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

1.1. Product identifier

Product name CHLORWASH CONCENTRATE POWDER

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

Identified uses Industrial use.

1.3. Details of the supplier of the safety data sheet

Interhatch, Whittington Way, S41 9AG

1.4. Emergency telephone number

Emergency telephone 01246 264646

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification under CLP: Acute Tox. 4: H302; Aquatic Chronic 3: H412; Skin Corr. 1B: H314

Most important adverse effects: Harmful if swallowed. Causes severe skin burns and eye damage. Harmful to aquatic life with long lasting effects.

2.2. Label elements

Label elements:

Hazard statements: H302: Harmful if swallowed.
H314: Causes severe skin burns and eye damage.
H412: Harmful to aquatic life with long lasting effects.

Hazard pictograms: GHS05: Corrosion
GHS07: Exclamation mark



Signal words: Danger

Precautionary statements: P260: Do not breathe dust/fumes/gas/mist/vapours/spray.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P301+312: IF SWALLOWED: Call a if you feel unwell.
P301+330+331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303+361+353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
P304+340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

2.3. Other hazards

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

CHLORWASH CONCENTRATE POWDER**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****Hazardous ingredients:**

EINECS	CAS	PBT / WEL	CLP Classification	Percent
POTASSIUM PEROXOMONOPERSULPHATE - REACH registered number(s): 01-2119485567-22-XXXX 274-778-7	70693-62-8	-	Acute Tox. 4: H302; Skin Corr. 1B: H314; Aquatic Chronic 3: H412; Eye Dam. 1: H318	30-50%
SODIUM CHLORIDE - REACH registered number(s): EXEMPTION UNDER ANNEX V 231-598-3	7647-14-5	Substance with a Community workplace exposure limit.	-	30-50%
SODIUM CARBONATE - REACH registered number(s): 01-2119485498-19-XXXX 207-838-8	497-19-8	-	Eye Irrit. 2: H319	1-10%
SODIUM SULPHATE - REACH registered number(s): SODIUM SULPHATE 231-820-9	7757-82-6	Substance with a Community workplace exposure limit.	-	1-10%
SODIUM TRIPOLYPHOSPHATE - REACH registered number(s): 01-2119430450-54-XXXX 231-838-7	7758-29-4	Substance with a Community workplace exposure limit.	-	1-10%

SECTION 4: FIRST AID MEASURES**4.1. Description of first aid measures**

Skin contact:	Wash immediately with plenty of soap and water. Remove all contaminated clothes and footwear immediately unless stuck to skin. If irritation develops or persists seek medical attention.
Eye contact:	Bathe the eye with running water for 15 minutes. Consult a doctor.
Ingestion:	Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Transfer to hospital as soon as possible.
Inhalation:	Remove casualty from exposure ensuring one's own safety whilst doing so. If conscious, ensure the casualty sits or lies down. If unconscious and breathing is OK, place in the recovery position. If unconscious, check for breathing and apply artificial respiration if necessary. Consult a doctor.

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

Skin contact:	Irritation or pain may occur at the site of contact. There may be redness or whiteness of the skin in the area of exposure. Blistering may occur. Severe burns may occur. Sensitisation of the skin is possible in susceptible persons.
Eye contact:	There may be irritation and redness. Corneal burns may occur. Risk of serious damage to eyes. May cause mechanical irritation to the eyes.
Ingestion:	Harmful if swallowed. May cause irritation of the gastrointestinal tract. May cause throat burns. Causes burns to the gastrointestinal tract. Nausea and stomach pain may occur. There may be vomiting and diarrhoea.
Inhalation:	May cause irritation of the mucous membranes and respiratory system. Prolonged or repeated exposure may cause ulceration and perforation of the nasal septum.
Delayed / immediate effects:	Immediate effects can be expected after short-term exposure. Nausea and stomach pain may occur. There may be vomiting and diarrhoea.

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

Immediate / special treatment:	Show this safety data sheet to the doctor in attendance. Eye bathing equipment should be available on the premises. It is recommended to have running water or eyewash solution available when handling the product.
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CHLORWASH CONCENTRATE POWDER



SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media for the surrounding fire should be used. Do not use water in a jet.

5.2. Special hazards arising from the substance or mixture

Corrosive. In combustion emits toxic fumes of carbon dioxide / carbon monoxide. In combustion emits toxic fumes of sulphur oxides..

5.3. Advice for firefighters

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

Wear suitable protective clothing. Do not attempt to take action without suitable protective clothing - see section 8 of SDS. Do not create dust. Remove all incompatible materials as outlined in section 10 of SDS.

6.2. Environmental precautions

Environmental precautions

Do not discharge into drains or rivers.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up

Transfer to a closable, labelled salvage container for disposal by an appropriate method. Wash the spillage site with large amounts of water. Product may be dampened with a little water to reduce dust formation.

6.4. Reference to other sections

Reference to other sections

Refer to section 8 of SDS. Refer to section 13 of SDS.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Wear suitable protective clothing. Ensure there is sufficient ventilation of the area. Avoid contact with the material and breathing its dust. Avoid the formation or spread of dust in the air. It is recommended to carry out handling & processing operations utilising a suitable LEV system.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions:

Store in a cool, well ventilated area. Keep container tightly closed. Do not store near foodstuffs.

Suitable packaging:

Must only be kept in original packaging. Plastic. Plastic-lined.

7.3. Specific end use(s)

No data available.

CHLORWASH CONCENTRATE POWDER**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1. Control parameters****Workplace exposure limits:**

State	8 hour TWA	Respirable dust		
		15 min. STEL	8 hour TWA	15 min. STEL
UK	-	-	4 mg/m ³	-

Hazardous ingredients:

POTASSIUM PEROXOMONOPERSULPHATE

Workplace exposure limits:

State	8 hour TWA	Respirable dust		
		15 min. STEL	8 hour TWA	15 min. STEL
UK	-	-	4 mg/m ³	-
SODIUM CHLORIDE				
UK	-	-	4 mg/m ³	-
SODIUM CARBONATE				
UK	-	-	4 mg/m ³	-
SODIUM SULPHATE				
UK	-	-	4 mg/m ³	-
SODIUM TRIPOLYPHOSPHATE				
UK	-	-	4 mg/m ³	-

DNEL/PNEC Values

DNEL / PNEC No data available.

8.2. Exposure controls

Engineering measures:	Ensure there is sufficient ventilation of the area. Ensure all engineering measures mentioned in section 7 of SDS are in place. It is recommended to carry out handling & processing operations utilising an appropriate LEV system.
Respiratory protection:	Wear suitable respiratory protection if exposure levels approach or exceed the stated exposure levels. Respiratory protective device with particle filter.
Hand protection:	Protective gloves.
Eye protection:	Safety glasses. Ensure eye bath is to hand.
Skin protection:	Protective clothing. Type 5/6 protective clothing.
Environmental:	No special requirement. Ensure all engineering measures mentioned in section 7 of SDS are in place. Ensure emissions from ventilation or equipment comply with environmental protection legislation.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1. Information on basic physical and chemical properties**

State:	Powder
Colour:	White to off-white
Odour:	Lemon.
Evaporation rate:	Not applicable.
Oxidising:	Non-oxidising (by EC criteria)
Solubility in water:	Soluble
pH:	6.5

9.2. Other information

Product is not flammable. SADT-Self Accelerating Decomposition Temperature for significant raw material = 80oC. No further information available at this time.

CHLORWASH CONCENTRATE POWDER**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. Contact with water or moisture may degrade the product. Contains a SADT (Self-accelerating decomposition temperature) material.

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. Extremes of temperature. Moist air. Moisture.

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents. Strong acids. Alkalis. Flammable materials.

10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes of carbon dioxide / carbon monoxide. In combustion emits toxic fumes of sulphur oxides. May release toxic fumes of Phosphorous Oxides.

SECTION 11: TOXICOLOGICAL INFORMATION**Hazardous ingredients:****POTASSIUM PEROXOMONOPERSULPHATE**

DERMAL	RAT	LD0	2000 mg/kg
IHL	RAT	4HLC0	5 mg/l
ORL	RAT	LD50	500 mg/kg

SODIUM CHLORIDE

DERMAL	RBT	LD50	10000 mg/kg
DUST/MIST	RAT	1HLC50	42000 mg/m ³
ORAL	RAT	LD50	3000 mg/kg

SODIUM CARBONATE

DERMAL	RBT	LD50	> 2000 mg/kg
IHL	RAT	LC50	2300 mg/m ³
ORL	RAT	LD50	2800 mg/kg

SODIUM SULPHATE

DUST/MIST	RAT	4HLC50	> 2.4 mg/l
ORAL	RAT	LD50	> 2000 mg/kg

SODIUM TRIPOLYPHOSPHATE

DERMAL	RBT	LD50	> 4000 mg/kg
DUST/MIST	RAT	4HLC50 >	0.39 mg/l
ORAL	RAT	LD50	> 2000 mg/kg

Relevant hazards for product:

Hazard	Route	Basis
Acute toxicity (ac. tox. 4)	ING	Hazardous: calculated
Skin corrosion/irritation	DRM	Hazardous: calculated
Serious eye damage/irritation	OPT	Hazardous: calculated

CHLORWASH CONCENTRATE POWDER**Symptoms / routes of exposure**

Skin contact:	Irritation or pain may occur at the site of contact. There may be redness or whiteness of the skin in the area of exposure. Blistering may occur. Severe burns may occur. Sensitisation of the skin is possible in susceptible persons.
Eye contact:	There may be irritation and redness. Corneal burns may occur. Risk of serious damage to eyes. May cause mechanical irritation to the eyes.
Ingestion:	Harmful if swallowed. May cause irritation of the gastrointestinal tract. May cause throat burns. Causes burns to the gastrointestinal tract. Nausea and stomach pain may occur. There may be vomiting and diarrhoea.
Inhalation:	May cause irritation of the mucous membranes and respiratory system. Prolonged or repeated exposure may cause ulceration and perforation of the nasal septum.
Delayed / immediate effects:	Immediate effects can be expected after short-term exposure. Nausea and stomach pain may occur. There may be vomiting and diarrhoea.
Other information:	There is no further information at this time.

SECTION 12: ECOLOGICAL INFORMATION**12.1. Toxicity****Hazardous ingredients:****POTASSIUM PEROXOMONOPERSULPHATE**

Bacteria	3H EC50	100 mg/l
DAPHNIA	96H NOEC	0.267 mg/l
Green Algae (Pseudokirchneriella subcapitata)	72H ErC50	>1 mg/l
RAINBOW TROUT (Oncorhynchus mykiss)	96H LC50	53 mg/l

SODIUM CARBONATE

DAPHNIA	48H EC50	200 - 227 mg/l
FISH	96H LC50	300 mg/l

SODIUM SULPHATE

Daphnia magna	48H EC50	> 1766 mg/l
Pimephales promelas	96H LC50	7960 mg/l

SODIUM TRIPOLYPHOSPHATE

Daphnia magna	48H EC50	> 100 mg/l
Scenedesmus Subspicatus	4Day LC50	> 69 mg/l
ZEBRAFISH (Brachydanio rerio)	24H LC50	> 1850 mg/l

12.2. Persistence and degradability

Persistence and degradability: Mixture of organic & inorganic components, thus can not be classified as biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: There is no data available at present. Product is not expected to bioaccumulate.

12.4. Mobility in soil

Mobility: Non-volatile. Soluble in water.

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: There is no data available at present. Large doses causes high/low pH which may affect effluent and sewage treatment processes. Discharge of large quantities may kill fish and other aquatic life due to increase/decrease in pH. Do not allow to enter watercourses or soils. Spillage in sewers or waterways must be avoided.



SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Disposal operations:	Transfer to a suitable container and arrange for collection by specialised disposal company.
Recovery operations:	No significant opportunity for recovery available with the product. No further information available at this time.
Disposal of packaging:	Contaminated containers must not be treated as household waste. Where practical, containers and packaging should be recycled by a licenced contactor.
NB:	The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

SECTION 14: TRANSPORT INFORMATION

Transport class:	This product does not require a classification for transport.
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SECTION 15: REGULATORY INFORMATION

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

This products usage may be controlled under BPR (Biocidal Products Regulation (EC) No. 528/2012).

15.2. Chemical safety assessment

A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

SECTION 16: OTHER INFORMATION

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

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

WARNING: For professional use only.

There are no exposure levels set for the specific product thus the following levels should be adhered to,

Total Inhalable Dust (8 hr TWA): 10 mg/m³ Respirable Dust (8 hr TWA): 4 mg/m³

Phrases used in s.2 and s.3:	H302: Harmful if swallowed.
	H314: Causes severe skin burns and eye damage.
	H319: Causes serious eye irritation.
	H412: Harmful to aquatic life with long lasting effects.

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.