SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758.

Compilation date: 14/05/25 **Version [CLP]:** 5*

1. Identification of the Substance/Preparation and of the Company/Undertaking

1.1. Product identifier

Product form: Mixture
Trade name: **Bleach Tablets**
Product group: Trade product
Product code: **SPD1374**

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

1.2.1. Relevant identified uses

Main use category: Professional use
Function or use category: Washing and cleaning products (including solvent based products).
Professional Chlorine Disinfection Tablets

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Company Name:

Spearhead
4 Symington Place
Riverside Business Park
Irvine
KA11 5DE
Tel: 0345 180 1800
Email: sales@spearheadhealthcare.com

1.4. Emergency Telephone Number

National Poisons Information Service
0344 892 0111
Only for healthcare professionals.
Registration with National Poisons Information Service optional.

2. Hazards Identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567

Eye Irrit. 2: H319
STOT SE 3: H335
Aquatic Chronic: 1 H410
EUH031

2.2 Label Elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP] and, as amended by GB-CLP Regulation, UK SI 2019/720

Hazard Pictograms (CLP)

Signal word (CLP): Warning
Hazard Statements (CLP): H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H410 Very toxic to aquatic life with long lasting effects.
EUH031: Contact with acids liberates toxic gas

Precautionary Statements (CLP): P102: Keep out of reach of children.
P273: Avoid release to the environment.
P280: Wear eye protection.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+313: If eye irritation persists: Get medical advice/attention.
P301+330+331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P310: Immediately call a POISON CENTER/doctor

Supplementary precautionary statements (CLP):
P280 Wear protective clothing.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312 Call a POISON CENTER/doctor if you feel unwell.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.
P391: Collect spillage.

2.3 Other Hazards

Other hazards not contributing to the classification: No presence of PBT and vPvB ingredients.

The full texts for all H- and EUH-phrases are displayed in Section 16 'Other Information'.

3. Composition/information on ingredients:

Common Name	**CAS No./ EC No.**	**Classification** **According to (EC) 1272/2008 (CLP)**	**Conc (%)**
SODIUM DICHLOROISOCYANURATE ANHYD *REACH Reg. No: 01-2119489371-33-XXXX*	2893-78-9 220-767-7	Acute Tox. 4; H302 Eye Irrit. 2; H319 STOT SE 3; H335 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 EUH031	30 - 60
ADIPIC ACID *REACH REG No: 01-211945-75-XXXX*	124-04-9 204-673-3	Eye Irrit. 2; H319	10 - 25
SODIUM CARBONATE *REACH REG No: 01-2119485498-19-XXXX*	497-19-8 207-838-8	Eye Irrit. 2, H319	1 - 5

The full texts for all H- and EUH-phrases are displayed in Section 16 'Other Information'.

4. First-aid measures

4.1. Description of first aid measures

First-aid measures after inhalation: IF INHALED: remove victim to fresh air and keep at rest in a position comfortable for breathing. Seek medical advice if you feel unwell.

First-aid measures after skin contact: IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.

First-aid measures after eye contact: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, immediately call a doctor or consult an eye specialist/ ophthalmologist

First-aid measures after ingestion: IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Drink plenty of water. Seek medical advice.

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

Symptoms/injuries after inhalation: Coughing. sneezing.

Symptoms/injuries after skin contact: Redness. Swelling. dryness. Itching.

Symptoms/injuries after eye contact: Severe pain. Redness. Swelling. Blurred vision.

Symptoms/injuries after ingestion:	Oral mucosal or gastro-intestinal irritation. Nausea. Vomiting. Excessive secretion. Diarrhoea.

4.3. Indication of any immediate medical attention and special treatment needed
Refer to section 4.1.

5. Fire fighting measures
Extinguishing media: Product itself is not explosive or flammable. The product itself will not burn. If anything, packaging may be involved in a fire. Use CO_2, dry chemical powder, alcohol resistant foam or other media appropriate for materials actually involved in the fire. If water is used, contain run-off.
Special hazards: When heated sufficiently, product may decompose to form toxic fumes, including chlorine gases.
Special protective equipment: Fire fighters should wear approved self-contained breathing apparatus and full protective clothing.

6. Accidental release measures
Personal precautions:
Avoid contact with skin and eyes. Avoid inhalation of dust. For appropriate personal protection see section 8.
Environmental precautions:
Although this product is suitable for down the drain disposal it is advised that as much of the solid is contained and scooped up, before final dispersal of any residue with water.
Methods and material for containment and clean-up:
Prevent leakage into sewers or surface water by utilising bunding, absorbent booms, drain covers and soil or sand dikes. Contact appropriate environmental protection agencies, (Environment Agency in the UK) and local water authorities if significant contamination occurs.
For small and large spills: scoop spillage into suitable plastic containers and rework/dispose as per local legislation.

7. Handling and storage
Precautions for safe handling:
Avoid inhalation of dust. DO NOT mix with other chemicals. Never add water directly to this product as it may cause a vigorous reaction or boiling. Always dilute by carefully adding the tablets to water. Avoid contact with neat product on skin and eyes. Wear protective clothing as per section 8.
Storage precautions:
Store in closed original container, with tight fitting lid, in a cool and dry area, with good ventilation.

8. Exposure controls / personal protection
8.1. Control parameters
Sodium Carbonate (CAS 497-19-8)
DNEL/PNEC Values
DNEL/DMEL (Workers)
Long-term - local effects, inhalation 10 mg/m³
DNEL/DMEL (General population)
Acute - local effects, inhalation 10 mg/m³

8.2. Exposure controls

8.2.1. Appropriate engineering controls:	Not applicable.
8.2.2. Personal protective equipment	
Hand protection:	Wear gloves during direct contact and hand-washing.
Eye protection:	Wear eye/face protection.
Skin and body protection:	Wear appropriate long-sleeved clothing to minimize skin contact
Respiratory protection:	Wear appropriate respirator when ventilation is inadequate, P3.

8.2.3. Environmental exposure controls:
No particular measures required

9. Physical and chemical properties

Appearance: White tablet
Odour: Faint Chlorine
pH (10% aqueous solution): ca. <6
Melting point: Not determined
Boiling point: Not determined

Flash point: Not combustible
Evaporation rate: Not determined
Flammability: Not combustible
Explosive properties: Non-Explosive
Oxidising properties: Not determined
Vapour pressure/density: Not determined
Relative density: ca. Not Determined
Water solubility: Soluble 2.5g/ 100 ml
Partition coefficient: Not determined
Auto ignition temperature: Not combustible
Decomposition temperature: Not determined
Viscosity: Not determined

10. Stability and reactivity
Stability:
Stable under normal conditions.
Conditions to avoid:
Reacts violently with strong acids. Generates toxic gas in contact with acid. The product will harden into a solid mass in contact with water and moisture. Avoid exposure to high temperatures or direct sunlight.
Materials to avoid:
Strong acids. Aluminium, Tin, Zinc and their alloys.
Do not mix with other cleaning products unless advised to do so by a professional from the industry.
Hazardous decomposition products
Toxic chlorine gas can be released if heated. When heated, vapours/gases hazardous to health may be formed.

11. Toxicological information
11.1 Information on toxicological effects
Acute Oral Toxicity:
May cause burns in mucous membranes, throat, oesophagus and stomach.
Acute Inhalation Toxicity:
Dusts may irritate throat and respiratory system and cause coughing.
Acute Dermal Toxicity:
Irritating/ damaging to skin
Skin Corrosion/Irritation:
May cause chemical burns of the skin. Prolonged contact may cause tissue damage.
Serious eye damage/eye irritation:
Risk of corneal damage. Visual disturbances including blurred vision.
Sensitisation:
Not expected to provoke a sensitisation reaction.
Repeated Dose Toxicity:
Not data available.
Assessment of STOT single exposure: No data available
Assessment of STOT repeated exposure: No data available
Risk of Aspiration Toxicity: No data available

Acute toxicity	LD_{50} rat (oral)	735	mg/kg	Data for sodium dichloroisocyanurate
	LD_{50} rat (oral)	> 5500	mg/kg	Data for adipic acid
	LD_{50} rabbit (derm)	> 2000	mg/kg	Data for sodium dichloroisocyanurate
	LD_{50} rabbit (derm)	7940	mg/kg	Data for adipic acid
	LC_{50} rat (inhal)	> 150	mg/m^3	Data for sodium dichloroisocyanurate (1 hour)
Dermal compatibility	Strongly irritant. Data for sodium dichloroisocyanurate			
Mucous membrane compatibility	Strongly irritant to eyes Data for sodium dichloroisocyanurate			
Further information	None sensitising (guinea pig - data for sodium dichloroisocyanurate).			

Sodium Carbonate (CAS 497-19-8)
LD50 oral rat 2800 mg/kg

LD50 dermal rabbit	2001 mg/kg
ATE CLP (oral)	2800 mg/kg bodyweight
ATE CLP (dermal)	2001 mg/kg bodyweight

12. Ecological information

12.1 Toxicity	LC_{50}	Fish (Rainbow trout)	0.22	mg/l	96 hr sodium dichloroisocyanurate
	LC_{50}	Fish (Bluegill sunfish)	0.28	mg/l	96 hr sodium dichloroisocyanurate
	LC_{50}	Daphnia magna	0.20	mg/l	48 hr sodium dichloroisocyanurate
	LC_{50}	Daphnia magna	46	mg/l	48 hrs Data for adipic acid

12.2 Degradability Not determined

12.3 Bioaccumulative potential LogBCF: 3.162 Data for adipic acid

12.4 Mobility in soil 60% degradation 1-6 days (Data for adipic acid)

12.5 PBT/vPvB assessment Not applicable

12.6 Other adverse effects Do not allow to get into waste water or waterways; if this occurs, inform the relevant water authority at once.

On the basis of raw materials and comparable substances contained in the product the following ecological evaluation is obtained.
Ecotoxicity: This product is intended for wide dispersive use, is not considered harmful to aquatic organisms and is compatible with the down-the-drain disposal route. No known adverse effects on the functioning of water treatment plants under normal use conditions as recommended. The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Persistence and degradability: Rapidly degrades to Sodium Chloride by chemical reaction with organic matter in effluent. This product has not been found to cause long-term adverse effects in the environment. The surfactants used in this product are biodegradable in line with the requirements of EU Detergent Regulation (EC) No 648/2004. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.
Bioaccumulative potential: The surfactant ingredients of this product are not expected to bioaccumulate.
Mobility in soil: Not determined.

13. Disposal considerations

Consumer products ending up down the drain after use. Observe safe handling precautions and local legislation.
The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment. The surfactants contained in this preparation comply with the biodegradability criteria as laid down in Regulation EC/648/2004 on detergents.

14. Transport information

14.1 United Nations number (ADR, IMDG, IATA) UN 3077

14.2 Proper shipping name (ADR, IMDG, IATA) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (DICHLOROISOCYANURIC ACID SALTS)

14.3 Transport class(s) (ADR, IMDG, IATA) 9

14.4 Packing group (ADR, IMDG, IATA) III

14.5 Environmental hazards (ADR, IMDG, IATA) The product should be marked as a marine pollutant.

14.6 Special procedures Not applicable

14.7 Transport in bulk Not applicable

15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
15.1.1. EU-Regulations
No REACH Annex XVII restrictions. Contains no substance on the REACH candidate list
The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

15.1.2. National regulations
No additional information available

15.2. Chemical safety assessment
No chemical safety assessment has been carried out

16. Other information
Usage and handling instructions are not mentioned on this Material Safety Data Sheet. The labelling of the product is indicated in Section 2.2.

The full text of the H- and EUH-phrases indicated in this safety data sheet are as follows:

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
EUH031	Contact with acids liberates toxic gas.

The information given has been compiled with reference to the Chemicals (Hazard Information & Packaging For Supply) Regulations (CHIP4) 2009 as amended, the Registration, Evaluation, Authorisation & Restriction of Chemicals (REACH) Regulations, as amended, the Control of Substances Hazardous to Health Regulations (COSHH) 2002, as amended, and Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006. This information also harmonises the provisions and criteria for the classification and labelling of substances, mixtures and certain specific articles within the Community, taking into account the classification criteria and labelling rules of the GHS.

* Version History - Reason for Revision:
1. Add Classification According to (EC) 1272/2008 (CLP)
2. Remove Classification According to Directive 67/548/EEC or 1999/45/EC. Update Supplier Address
3. Update Reach Registration Nos. in section 3.
4. Update UK REACH Regulations. Update GB-CLP Regulation. Update UK SI.

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.