SAFETY DATA SHEET

Version: 1.0 Date: 01 April 2025

according to the REACH Regulation (EC) 1907/2006 as amended by Regulation UK SI 2019/758 and UK SI 2020/1577

URIZAP Shock

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

1.1 Product identifier

Product name	URIZAP Shock
Product type	Mixture

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

Identified Use(s)	Digestion of scale and deposits in urinals and traps
Uses advised against	Anything other than the above.

1.3 Details of the supplier of the safety data sheet

Company Identification	Thrive Sciences Ltd Unit 3, Northgate Business Park White Lund Industrial Estate Morecambe, Lancashire, LA3 3BJ
Telephone	+44 (0) 1524 481513
E-mail (competent person)	sales@thrive.eco

1.4 Emergency telephone number

Emergency Phone No.	0844 381 4708	Only available during office hours. Monday to Friday 09.00 - 17.00, GMT
Languages spoken	English	

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

2.1.1 Classification According to GB-CLP Regulations UK SI 2019/720 as amended

Eye Dam1; H318

2.2 Label elements

Labelling According to GB-CLP Regulations UK SI 2019/720 as amended

Product name	URIZAP Shock
Contains:	Sodium Percarbonate, Disodium Lauryl Sulfosuccinate
Hazard Pictogram(s)	
Signal Word(s)	Danger
Hazard Statement(s)	H318 - Causes serious eye damage.
Precautionary Statement(s)	P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children. P264: Wash hands thoroughly after handling. P280 Wear protective gloves and eye protection. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 Immediately call a POISON CENTER or doctor/physician.

	Supplemental information	Not applicable
2.3	**Other hazards**	None known

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances
Not applicable

3.2 Mixtures Substances in preparations / mixtures.
According to Regulation (EC) No. 1272/2008 (CLP)

Chemical identity of the substance	%W/W	CAS No.	EC No./Index No	REACH Registration No.	Hazard classification
Sodium percarbonate	30 - 40	15630-89-4	239-707-6	Not yet assigned in the supply chain	Oxid. Solid 3; H272 Acute Tox. 4; H302 Eye Dam. 1; H318
Citric Acid	10 - < 20	77-92-9	201-069-1/ 607-750-00-3	Not yet assigned in the supply chain	Eye Irrit. 2; H319 STOT SE 3; H335
Disodium Lauryl Sulfosuccinate	0.1 - ≤ 1	90268-36-3	290-836-4	01-2119977087-25-XXXX	Acute Tox. 4; H302 Eye Dam. 1; H318

Chemical identity of the substance	CAS No.	EC No.	REACH Registration No	SCL Limits
Sodium percarbonate	15630-89-4	239-707-6	Not yet assigned in the supply chain	Eye Irrit. 2; : 7.5 % ≤ C < 25 % Eye Dam. 1; : C > 25 %

For full text of H phrases see section 16.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Self-protection of the first aider	No action should be taken involving personal risk. Wear appropriate personal protective equipment. Avoid contact with skin and eyes. Avoid breathing dust
Inhalation	IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.
Skin contact	IF ON SKIN: Gently wash with plenty of soap and water. If irritation develops and persists, get medical attention.
Eye contact	Get medical attention immediately. Call a poison center or physician. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician
Ingestion	IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a POISON CENTER/doctor if you feel unwell. If possible show this SDS. Failing this, show the packaging or label.
4.2 Most important symptoms and effects, both acute and delayed	Causes serious eye damage.
4.3 Indication of any immediate medical attention and special treatment needed	Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1	**Extinguishing media**	
	Suitable extinguishing media	In case of fire: Water spray, foam, dry powder or CO2.
	Unsuitable extinguishing media	Do not use water jet. Direct water jet may spread the fire.
5.2	**Special hazards arising from the substance or mixture**	No specific fire or explosion hazard. Decomposition products may include the following materials: carbon dioxide carbon monoxide
5.3	**Advice for firefighters**	Fight fire with normal precautions from a reasonable distance. Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Keep containers cool by spraying with water if exposed to fire. Avoid run off to waterways and sewers.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1	**Personal precautions, protective equipment and emergency procedures**	No action should be taken involving personal risk. Provided it is safe to do so, isolate the source of the leak. Wear appropriate personal protective equipment. Avoid contact with skin and eyes. Ensure adequate ventilation. Avoid breathing dust.
6.2	**Environmental precautions**	Avoid release to environment
6.3	**Methods and material for containment and cleaning up**	Sweep up spilled substance. Avoid dust generation. Use vacuum equipment for collecting spilt materials, where practicable. Transfer to a container for disposal. Recover the product where possible. Wash the spillage area with water.
6.4	**Reference to other sections**	See Also Section: 8, 13.

SECTION 7: HANDLING AND STORAGE

7.1	**Precautions for safe handling**	When using do not eat or drink. Wear appropriate personal protective equipment. Avoid contact with skin and eyes. Ensure adequate ventilation. Avoid breathing dust. Wash hands and exposed skin thoroughly after handling. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
7.2	**Conditions for safe storage, including any incompatibilities**	Keep container closed. Avoid exposure to moisture, thermal decomposition. Do not overheat
	Storage temperature	Stable at ambient temperatures. Recommended: <25 °C to prolong storage life.
	Incompatible materials	Keep away from acid, bases, reducing agents, organic or combustible material.
7.3	**Specific end use(s)**	See Section: 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1	**Control parameters**	
8.1.1	**Occupational exposure limits**	The UK HSE (EH40) recommends the following limits for dusts: 10 mg/m3 (8hr TWA) total inhalable dust; 4 mg/m3 (8hr TWA) total respirable dust.
8.1.2	**Biological limit value**	Not established.
8.1.3	**PNECs and DNELs**	**SODIUM PERCARBONATE (CAS: 15630-89-4)** DNEL Workers - inhalation; Long term exposure Local effects 5 mg/m³ Workers - dermal; Long term exposure Local effects 12.8 mg/cm² Workers - dermal; Short term exposure Local effects 12.8 mg/cm² Consumer - Dermal route; Long term exposure Local effects 6.4 mg/cm² Consumer - Dermal route; Short term exposure Local effects 6.4 mg/cm² PNEC aqua (freshwater) - 0.035 mg/L aqua (marine water) - 0.035 mg/L STP - 16.24 mg/L

DISODIUM LAURYL SULFOSUCCINATE (CAS: 90268-36-3)
DNEL

Workers - Inhalation; Long term systemic effects: 31.74 mg/m^2
Workers - Dermal; Long term systemic effects: 22.5 mg/kg bw/day
Consumer - Inhalation; Long term systemic effects: 7.83 mg/m^3
Consumer - Dermal; Long term systemic effects: 11.25 mg/kg bw/day
Consumer – Oral; Lon tern systemic effects – 0.25 mg/kg bw/day

PNEC
Freshwater - 11 µg/L
Marine Water – 1.1 µg/L
STP – 1.7 mg/L
Sediment freshwater – 0.062 mg/kg
Sediment Marine water – 0.006 mg/kg
Soil – 0.006 mg/kg

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Ensure adequate ventilation. Store in a cool/low-temperature, well-ventilated (dry) place away from heat and ignition sources. A washing facility/water for eye and skin cleaning purposes should be present./ Eyewash bottles should be available.

8.2.2 Individual protection measures, such as personal protective equipment

Keep good industrial hygiene. Wear appropriate personal protective equipment. Avoid contact with skin and eyes. Do not eat, drink or smoke at the work place. Wash hands before breaks and after work.

Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.

Eye/ face protection

Use eye protection according to EN 166, designed to protect against dusts.

Skin protection

Hand protection:
Wear protective gloves. Breakthrough time of the glove material: refer to the information provided by the gloves' producer.
Suitable material: PVC, Neoprene, Natural rubber

Body protection:
Wear impervious protective clothing, including boots, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Respiratory protection

An approved dust mask should be worn if dust is generated during handling. A suitable dust mask or dust respirator with filter type P (EN143 or EN405) may be appropriate.

Thermal hazards

Not applicable.

8.2.3 Environmental exposure controls

Not applicable.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	White granulated solid
Odour	Characteristic - Pine
Odour threshold	Not established
pH	Solution 10% - 6 – 8
Melting point/freezing point	Not applicable - solid
Initial boiling point and boiling range	Not applicable - solid
Flash point	Not applicable - solid
Evaporation rate	Not applicable - solid
Flammability (solid, gas)	Not flammable
Upper/lower flammability or explosive limits	Not established
Vapour pressure	Not applicable - solid
Vapour density	Not applicable - solid
Relative density	Not established
Solubility(ies)	Not established
Partition coefficient: n-octanol/water	Not established
Auto-ignition temperature	Not established
Decomposition temperature	Not established
Viscosity	Not applicable - solid
Explosive properties	Not explosive
Oxidising properties	Not classified.

9.2 Other information None Known

SECTION 10: STABILITY AND REACTIVITY

10.1	**Reactivity**	Stable under normal conditions.
10.2	**Chemical stability**	Stable under normal conditions.
10.3	**Possibility of hazardous reactions**	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
10.4	**Conditions to avoid**	Avoid prolonged storage at elevated temperature. Avoid high temperatures or direct sunlight.
10.5	**Incompatible materials**	Keep away from acid, bases, reducing agents, organic or combustible material.
10.6	**Hazardous decomposition products**	May give off noxious and toxic fumes in a fire.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute Toxicity - Ingestion	Mixture: Based upon the available data, the classification criteria are not met. Calculated acute toxicity estimate (ATE) >2,000 mg/kg.
Acute Toxicity - Inhalation	Mixture: Based upon the available data, the classification criteria are not met. Calculated acute toxicity estimate (ATE) > 5 mg/l (Dusts)
Acute Toxicity - Skin contact	Mixture: Based upon the available data, the classification criteria are not met. Calculated acute toxicity estimate (ATE) >2,000 mg/kg.
Skin corrosion/irritation	Mixture: Based upon the available data, the classification criteria are not met.
Serious eye damage/irritation	Mixture: Eye Dam. 1; H318: Causes serious eye damage.
Respiratory or skin sensitisation	Mixture: Based upon the available data, the classification criteria are not met.
Germ cell mutagenicity	Mixture: Based upon the available data, the classification criteria are not met.
Carcinogenicity	Mixture: Based upon the available data, the classification criteria are not met.
Reproductive toxicity	Mixture: Based upon the available data, the classification criteria are not met.
STOT - single exposure	Mixture: H335 May cause respiratory irritation.
STOT - repeated exposure	Mixture: Based upon the available data, the classification criteria are not met.
Aspiration hazard	Mixture: Based upon the available data, the classification criteria are not met.

Toxicological information on ingredients:

SODIUM PERCARBONATE (CAS: 15630-89-4)
Acute toxicity oral (LD_{50} mg/kg) - 1034 mg/kg Species: Rat
Acute toxicity dermal (LD_{50} mg/kg) > 2000mg/kg Species: Rat

CITRIC ACID (CAS 77-92-9)
Acute toxicity oral (LD_{50} mg/kg) 5400 mg/kg Species Rat
Acute toxicity dermal (LD_{50} mg/kg) > 2000 mg/kg Rat

DISODIUM LAURYL SULFOSUCCINATE (CAS: 90268-36-3)
Acute toxicity oral (LD_{50} mg/kg) - 580 mg/kg Species: Rat
Acute toxicity dermal (LD_{50} mg/kg) > 2000mg/kg Species: Rat

11.2 Other information None.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity Mixture: Based upon the available data, the classification criteria are not met.

Sodium Percarbonate (CAS: 15630-89-4)	LC_{50}, (96h) 70.7mg/L, Pimephales promelas (Short–term toxicity to fish) EC_{50} (48h) 4.9mg/L, Daphnia pulex, (Short–term toxicity to aquatic invertebrates)"
Disodium Lauryl Sulfosuccinate (CAS: 90268-36-3)	LC_{50}, (96h) 2 mg/l Species: Zebra fish (Danio rerio) (Short–term toxicity to fish) EC_{50} (48h), 13 mg/L Species: Daphnia magna (Short–term toxicity to aquatic invertebrates) EC_{50} (72h), 60mg/l Species: Desmodesmus subspicatus (Short-term toxicity to aquatic algae)
Citric Acid (CAS: 77-92-9)	LC_{50} (48h) 440 mg/L, Leuciscus idus melanotus, (Short–term toxicity to fish) EC_{50}, (24h) 1535 mg/l, Daphnia magna, (Short–term toxicity to aquatic invertebrates)

12.2 Persistence and degradability No data for the mixture as a whole.

Sodium Percarbonate (CAS: 15630-89-4)	Not applicable for inorganic substances.
Disodium Lauryl Sulfosuccinate (CAS: 90268-36-3)	Readily biodegradable..
Citric Acid (CAS: 77-92-9)	Readily biodegradable.% Biodegradation (19 days): 100 (OECD301E)

12.3 Bioaccumulative potential No data for the mixture as a whole.

Sodium Percarbonate (CAS: 15630-89-4)	Not applicable for inorganic substances.
Disodium Lauryl Sulfosuccinate (CAS: 90268-36-3)	Bioaccumulation: Low potential of bioaccumultion. log Kow is < 3 (-2.097)
Citric Acid (CAS: 77-92-9)	The substance has low potential for bioaccumulation. Low log Kow: <3

12.4 Mobility in soil No data for the mixture as a whole.

Sodium Percarbonate (CAS: 15630-89-4)	No data available
Disodium Lauryl Sulfosuccinate (CAS: 90268-36-3)	No data available
Citric Acid (CAS: 77-92-9)	No data available

12.5 Results of PBT and vPvB assessment Not classified as PBT or vPvB. None of the substances in this product fulfil the criteria for being regarded as a PBT or vPvB substance.

12.6 Other adverse effects None known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1	**Waste treatment methods**	Disposal should be in accordance with local, state or national legislation. Handle contaminated packages in the same way as the substance itself. Non-contaminated packages may be recycled. Uncleaned empties should be disposed of in the same manner as the contents. Recover or recycle if possible.
13.2	**Additional information** Waste classification according to Directive 2008/98/EC (Waste Framework Directive)	HP4; Irritant — skin irritation and eye damage

SECTION 14: TRANSPORT INFORMATION

The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

		ADR/RID	IMDG	IATA/ICAO
14.1	**UN number**	Not applicable	Not applicable	Not applicable
14.2	**UN proper shipping name**	Not applicable	Not applicable	Not applicable
14.3	**Transport hazard class(es)**	Not applicable	Not applicable	Not applicable
14.4	**Packing group**	Not applicable	Not applicable	Not applicable
14.5	**Environmental hazards**	Not applicable	Not applicable	Not applicable
14.6	**Special precautions for user**	Not applicable		
14.7	**Transport in bulk according to Annex II of Marpol and the IBC Code**	Not applicable		
14.8	**Additional Information**	None		

SECTION 15: REGULATORY INFORMATION

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

15.1.1	**EU regulations**	
	Authorisations and/or restrictions on use	Not restricted
	GB Regulations	Not restricted
	Detergent regulations 2004/648/EC	Labelling; Contains more than 30% - oxygen-based bleaching agents, <5% anionic surfactnats, perfumes.
15.1.2	**National regulations**	
	Wassergefährdungsklasse (Germany)	Water hazard class: 1 (Self classification)
15.2	**Chemical Safety Assessment**	A chemical safety assessment is not required under REACH.

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements:

Sections indicated with the following have been revised

Previous Issue 1.0 Date: 05 November 2024

References:

Existing Safety Data Sheets (SDSs).
GB Mandatory Classification list for; Citric Acid (CAS No. 77-92-9)
Existing ECHA registration for Sodium Percarbonate (CAS No. 15630-89-4); Disodium Lauryl Sulfosuccinate (CAS No. 90268-36-3); Citric Acid (CAS No. 77-92-9)

Classification of the substance or mixture according to The retained CLP Regulation (EU) No 1272/2008, as amended for Great Britain	Classification Procedure
Eye Dam.1	Threshold Calculation

Legend

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
CAS	Chemical Abstracts Service
DNEL	Derived No Effect Level
EC	European Community
ECHA	European Chemicals Agency
EU	European Union
IATA	International Air Transport Association
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
LC50	Lethal concentration at which 50% of the population is killed
LD50	Lethal dose at which 50% of the population is killed
LTEL	Long Term Exposure Limit
OECD	Organisation for Economic Cooperation and Development
PBT	Persistent, Bioaccumulative and Toxic
PNEC	Predicted No Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Regulations concerning the international railway transport of dangerous goods
STEL	Short Term Exposure Limit
TWA	Time Weighted Average
UN	United Nations
vPvB	very Persistent and very Bioaccumulative

Hazard classification / Classification code:	**Hazard Statement(s)**
Ox. Sol. 3; Oxidising solid, Category 3	H272: May intensify fire; oxidiser.
Acute Tox. 4; Acute Toxicity, Category 4	H302: Harmful if swallowed.
Eye Dam. 1; Eye damage, category 1	H318: Causes serious eye damage.
Eye Irrit. 2; Eye Irritation, Category 2	H319: Causes serious eye irritation.
STOT SE 3; Specific Target Organ Toxicity — Single Exposure, Category 3	H335: May cause respiratory irritation.

Training advice: Consideration should be given to the work procedures involved and the potential extent of exposure as they may determine whether a higher level of protection is required.

Disclaimers

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Annex to the extended Safety Data Sheet (eSDS)

Exposure scenarios for substances in this preparation are not available.