SAFETY DATA SHEET

Version: 2.0 Date: 12th Febuary 2024

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2015/830 AS AMENDED BY UK REACH REGULATIONS SI 2019/758

URIZAP

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

1.1 Product identifier

Product name	URIZAP: Uric Acid Digestor Granules
Product type	Mixture

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

Identified Use(s)	Uric acid dissolver / Cleaning agent. For use in flushing and waterless urinals.
Uses advised against	Anything other than the above. - Not for oral consumption or direct contact with food and beverages

1.3 Details of the supplier of the safety data sheet

Company Identification	16 George Young Street AUBURN NSW 2144 Australia
Telephone	02 9738 7444
E-mail (competent person)	reception@cleanplus.com.au

1.4 Emergency telephone number

Emergency Phone No.	1800 201 700	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 The retained CLP Regulation (EU) No 1272/2008, as amended for Great Britain

Oxidising solid 3; H272
Eye Irrit. 2; H319

2.2 Label elements

The retained CLP Regulation (EU) No 1272/2008, as amended for Great Britain

Product name	URIZAP: Uric Acid Digestor Granules
Contains:	Not applicable
Hazard Pictogram(s)	
Signal Word(s)	WARNING
Hazard Statement(s)	H272: May intensify fire; oxidiser. H319: Causes serious eye irritation.
Precautionary Statement(s)	P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P264: Wash hands thoroughly after handling. P220: Keep/Store away from clothing/combustible materials. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P280: Wear protective gloves/protective clothing/eye protection/face protection. P337+P313: If eye irritation persists: Get medical advice/attention.

	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.	REACH Registration No.	Hazard classification
Sodium Carbonate Peroxyhydrate	20 -25	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
Sodium Carbonate	>10	497-19-8	207-838-8	Not yet assigned in the supply chain	Eye Irrit. 2; H319
Citric Acid	>10 - <20	77-92-9	201-069-1	Not yet assigned in the supply chain	Eye Irrit. 2; H319 STOT SE 3; H335

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. IF exposed or concerned: Get medical advice/attention.
	Skin contact	IF ON SKIN: Gently wash with plenty of soap and water. If irritation develops and persists, get medical attention.
	Eye contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation develops and persists, get medical attention.
	Ingestion	IF SWALLOWED: Rinse mouth. Give plenty of water to drink. Do NOT induce vomiting. IF exposed or concerned: Get medical advice/attention.
4.2	**Most important symptoms and effects, both acute and delayed**	Causes serious eye irritation.
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**	May intensify fire; oxidiser. Contact with combustible material may cause fire. May give off noxious and toxic fumes in a fire.
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. Shut off all ignition sources.
6.2	**Environmental precautions**	Not applicable
6.3	**Methods and material for containment and cleaning up**	Sweep up spilled substance. Sweep up carefully with non-sparking tools. 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. Use non-sparking tools. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Avoid contact with combustible material.
7.2	**Conditions for safe storage, including any incompatibilities**	Keep container closed. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.
	Storage temperature	Stable at ambient temperatures. Recommended: <25 °C to prolong storage life.
	Incompatible materials	Avoid contact with combustible material. Keep away from acid.
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**	Not applicable
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 work clothes with long sleeves.

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	Solid white Powder with blue flecks
Odour	Not established
Odour threshold	Not established
pH	Not established
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	May intensify fire; oxidiser.
Sodium Carbonate Peroxyhydrate	Oxid. Solid 3; H272 The substance/mixture does show an equal or smaller mean burning time in a 4:1 or 1:1 mass weight mixture with cellulose than in a 3:7 reference mixture with potassium bromate/cellulose.

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**	Hazardous polymerisation will not occur.
10.4	**Conditions to avoid**	Avoid prolonged storage at elevated temperature.
10.5	**Incompatible materials**	Avoid contact with combustible material. Keep away from acid.
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 Irrit. 2; H319: Causes serious eye irritation. Eye Dam. 1; H318: Causes serious eye damage.
Sodium Carbonate Peroxyhydrate	Adverse effects observed - Severe irritant, Conjunctival redness. Corneal opacity. (rabbit) (OECD405) Eye Irrit. 2; H319: Causes serious eye irritation.
Sodium Carbonate	GB Mandatory Classification List Adverse effects observed - Conjunctival oedema (chemosis). Conjunctival redness. Corneal opacity. (rabbit) (EPA 16 CFR 1500.42)
Citric Acid	Eye Irrit. 2; H319: Causes serious eye irritation. Adverse effects observed - Conjunctival redness. (rabbit) (OECD405)
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: Based upon the available data, the classification criteria are not met.
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.

11.2 Other information None.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity	Mixture: Based upon the available data, the classification criteria are not met. Estimated LC50 (Mixture): > 100 mg/l.
12.2 Persistence and degradability	No data for the mixture as a whole.
Sodium Carbonate Peroxyhydrate	Not applicable for inorganic substances.
Sodium Carbonate	Not applicable for inorganic substances.
Citric Acid	Readily biodegradable. % Biodegradation (19 days): 100 (OECD301E)
12.3 Bioaccumulative potential	No data for the mixture as a whole.
Sodium Carbonate Peroxyhydrate	Not applicable for inorganic substances.
Sodium Carbonate	Not applicable for inorganic substances.
Citric Acid	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 Carbonate Peroxyhydrate	No data available
Sodium Carbonate	No data available
Citric Acid	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.

SECTION 14: TRANSPORT INFORMATION

		ADR/RID	IMDG	IATA/ICAO
14.1	**UN number**	UN1479	UN1479	UN1479
14.2	**UN proper shipping name**	OXIDISING SOLID, N.O.S. (SODIUM CARBONATE PEROXYHYDRATE)	OXIDISING SOLID, N.O.S. (SODIUM CARBONATE PEROXYHYDRATE)	OXIDISING SOLID, N.O.S. (SODIUM CARBONATE PEROXYHYDRATE)
14.3	**Transport hazard class(es)**	5.1	5.1	5.1
14.4	**Packing group**	III	III	III
14.5	**Environmental hazards**	Not classified	Not classified	Not classified
14.6	**Special precautions for user**	See Section: 2		
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
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

References:

Existing Safety Data Sheets (SDSs).

GB Mandatory Classification list for; Sodium Carbonate (CAS No. 497-19-8); Citric Acid (CAS No. 77-92-9)

Existing ECHA registration for Sodium Carbonate Peroxyhydrate (CAS No. 15630-89-4); Sodium Carbonate (CAS No. 497-19-8); Citric Acid (CAS No. 77-92-9)

Classification: This Safety Data Sheet was prepared in accordance with EC Regulation (EC) 1907/2006 (REACH), 1272/2008 (CLP) & 2015/830. Compiled in accordance with REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758

Classification of the substance or mixture according to The retained CLP Regulation (EU) No 1272/2008, as amended for Great Britain	**Classification Procedure**
Ox. Sol. 3, H272	Expert judgement and weight of evidence.
Eye Irrit. 2; H319	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.

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Annex to the extended Safety Data Sheet (eSDS)

Exposure scenarios for substances in this preparation are not available.