

SPLOSHT INTERNATIONAL PTY LTD
MATERIAL SAFETY DATA SHEET

VERSION: 5.0


DATE OF REVISION: 21.11.2018

DOC NO: SP1965

1. SUBSTANCE/PREPARATION AND SUPPLIER INFORMATION

Product	Splosht®
Use	Natural biological clarifying and sludge reducing agent for aquariums, ponds and lakes.
Manufacturer/Supplier	Splosht International Pty Ltd (ABN 60 609 662 384)
Address	Level 1, 234 Curtis Rd, Munno Para South Australia 5115
Telephone	+61 8 8284 8659
Telefax number	+61 8 8284 7390
Emergency information	Please contact your local Poisons Centre or Medical Practitioner and refer to Safety Data Sheet for further information.

2. HAZARD IDENTIFICATION

Classification of the substance and mixture	Serious eye damage/eye irritation (Cat. 1)
Label elements and precautionary statement	
Pictogram	
Signal word	Danger
Hazard statement	Causes serious eye damage.
Prevention	Wear eye/face protection.
Response	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.
Other hazards which do not result in classification	Micro-organisms may have the potential to provoke sensitising reactions. See section 12 - Results of PBT and vPvB assessment.

3. COMPOSITION/INFORMATION ON INGREDIENTS CHEMICAL NATURE

Biological clarifying agent for ornamental ponds and lakes.				
Hazardous ingredients	CAS number	Content (W/W)	Acute Tox	Eye Dam./Irrit
1,2,3-Propanetricarboxylic acid, 2-hydroxy-	77-92-9	<10%	Cat. 5 (oral)	Cat. 1

4. FIRST-AID MEASURES

General advice	Remove contaminated clothing.
If inhaled	Immediately administer a corticosteroid from a controlled/metered dose inhaler.
On skin contact	Immediately wash thoroughly with plenty of water, apply sterile dressings, consult a skin specialist.
On contact with eyes	Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.
On ingestion	Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention.
Note to physician	Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11., Further important symptoms and effects are so far not known. Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

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5. FIRE FIGHTING MEASURES

Suitable extinguishing media	Water spray, dry powder, foam
Unsuitable extinguishing media for safety reasons	Carbon dioxide
Specific hazards	Carbon monoxide, carbon dioxide, nitrogen oxides The substances/groups of substances mentioned can be released in case of fire.
Special protective equipment	Wear self-contained breathing apparatus and chemical-protective clothing.
Further information	Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. In case of fire and/or explosion do not breathe fumes. Keep containers cool by spraying with water if exposed to fire.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Avoid dust formation. Use personal protective clothing. Avoid contact with the skin, eyes and clothing.
Environmental precautions	Do not discharge into the subsoil/soil. Do not discharge into drains/surface waters/groundwater.
Methods for cleaning up or taking up	For small amounts: Contain with dust binding material and dispose of. For large amounts: Sweep/shovel up. Avoid raising dust. Dispose of absorbed material in accordance with regulations. Collect waste in suitable containers, which can be labeled and sealed. Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations.

7. HANDLING AND STORAGE

Handling	No special measures necessary if stored and handled correctly. Ensure thorough ventilation of stores and work areas. When using do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift.
Protection against fire and explosion	Avoid dust formation. Dust can form an explosive mixture with air. Prevent electrostatic charge - sources of ignition should be kept well clear - fire extinguishers should be kept handy.
Storage	Segregate from foods and animal feeds. Further information on storage conditions: Keep away from heat. Protect against moisture. Protect from direct sunlight.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Components with occupational exposure limits	No occupational exposure limits known.
Personal protective equipment	Respiratory protection: Respiratory protection not required. Hand protection: Hand protection not required. Eye protection: Eye protection not required. Body protection: Body protection not required.
General safety and hygiene measures	Handle in accordance with good industrial hygiene and safety practice. Wearing of closed work clothing is recommended. Store work clothing separately. Keep away from food, drink and animal feeding stuffs.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Powder
Colour	Beige
Odour	Pleasant
Odour threshold	Not determined due to potential health hazard by inhalation.
pH value	Not soluble
Melting temperature	> 20°C
Boiling temperature	The product is a non-volatile solid
Flash point	Not applicable
Evaporation rate	Not applicable
Flammability (solid/gas)	Based on the structure or composition there is no indication of flammability.
Lower explosion limit	As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance with the intended use.
Upper explosion limit	As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance with the intended use.
Thermal decomposition	No decomposition if stored and handled as prescribed/indicated.
Self ignition	Based on its structural properties the product is not classified as self-igniting.
Explosion hazard	Not explosive
Fire promoting properties	Based on its structural properties the product is not classified as oxidizing.
Vapour pressure	Not applicable
Density	Approx. 0.73 g/cm ³
Relative vapour density (air)	Not applicable
Solubility in water	Dispersible
Partitioning coefficient n-octanol/water (log Pow)	Not applicable
Viscosity, dynamic	Not applicable, the product is a solid
Other information	If necessary, information on other physical and chemical parameters is indicated in this section.

10. STABILITY AND REACTIVITY

Conditions to avoid	See MSDS section 7 – Handling and storage.
Substances to avoid	Strong acids, strong bases, strong oxidising agents
Hazardous reactions	No hazardous reactions if stored and handled as prescribed/indicated.
Hazardous decomposition products	No hazardous decomposition products if stored and handled as prescribed/indicated.

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11. TOXICOLOGICAL INFORMATION

Acute toxicity	
Assessment of acute toxicity	Virtually nontoxic after a single ingestion. Virtually nontoxic by inhalation. Virtually nontoxic after a single skin contact. The product has not been tested. The statement has been derived from the properties of the individual components.
Experimental/calculated data (dermal)	No data available
Information on sodium hydrogencarbonate	Experimented/calculated data: LD50 rat (oral): > 4,000 mg/kg
Information on sodium hydrogencarbonate	Experimented/calculated data: LC50 rat (by inhalation): > 4.74 mg/l 4.5 h
Irritation	
Assessment of irritating effects	Not irritating to the skin. May cause severe damage to the eyes. The product has not been tested. The statement has been derived from the properties of the individual components.
Information on citric acid	Experimented/calculated data: Skin corrosion/irritation rabbit: non-irritant (OECD Guideline 404)
Information on sodium hydrogencarbonate	Experimented/calculated data: Skin corrosion/irritation rabbit: non-irritant Literature data.
Information on citric acid	Experimented/calculated data: Serious eye damage/irritation rabbit: irreversible damage
Information on sodium hydrogencarbonate	Experimented/calculated data: Serious eye damage/irritation rabbit: non-irritant
	Serious eye damage/irritation rabbit: Irritant. (OECD Guideline 405)
Respiratory/Skin sensitization	
Assessment of sensitization	There is no evidence of a skin-sensitizing potential. The product has not been tested. The statement has been derived from the properties of the individual components.
Information on sodium hydrogencarbonate	Assessment of sensitization: The chemical structure does not suggest a sensitizing effect.
Germ cell mutagenicity	
Assessment of mutagenicity	The product has not been tested. The statement has been derived from the properties of the individual components. Mutagenicity tests revealed no genotoxic potential.
Carcinogenicity	
Assessment of carcinogenicity	The product has not been tested. The statement has been derived from the properties of the individual components. The results of various animal studies gave no indication of a carcinogenic effect.
Reproductive toxicity	
Assessment of reproduction toxicity	The product has not been tested. The statement has been derived from the properties of the individual components. The results of animal studies gave no indication of a fertility impairing effect.

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Developmental toxicity	
Assessment of teratogenicity	The product has not been tested. The statement has been derived from the properties of the individual components. Animal studies gave no indication of a developmental toxic effect at doses that were not toxic to the parental animals.
Specific target organ toxicity (single exposure)	
Assessment of STOT single	Based on the available information there is no specific target organ toxicity to be expected after a single exposure.
Remarks	The product has not been tested. The statement has been derived from the properties of the individual components.
Repeated dose toxicity and Specific target organ toxicity (repeated exposure)	
Assessment of repeated dose toxicity	The product has not been tested. The statement has been derived from the properties of the individual components. No substance-specific organ toxicity was observed after repeated administration to animals.
Aspiration hazard	No aspiration hazard expected.
Other relevant toxicity information	Misuse can be harmful to health.

12. ECOLOGICAL INFORMATION

Ecotoxicity	
Assessment of aquatic toxicity	There is a high probability that the product is not acutely harmful to aquatic organisms. The product has not been tested. The statement has been derived from the properties of the individual components.
Aquatic plants	No data available.
Information on sodium hydrogen carbonate	Toxicity to fish: LC50 (96 h) 7,100 mg/l, <i>Lepomis macrochirus</i> (EPA 72-1, Flow through.)
Information on sodium hydrogen carbonate	Aquatic invertebrates: EC50 (48 h) 4,100 mg/l, <i>Daphnia magna</i> (OPP 72-2 (EPA-guideline), Flow through.)
Mobility	
Assessment on transport between environmental compartments	Not applicable
Persistence and degradability	
Assessment on biodegradation and elimination (H2O)	The product has not been tested. The statement has been derived from the properties of the individual components.
Bioaccumulation potential	
Assessment on bioaccumulation potential	The product has not been tested. The statement has been derived from the properties of the individual components.

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12. ECOLOGICAL INFORMATION

Information on sodium hydrogen carbonate	Bioaccumulation potential: Accumulation in organisms is not to be expected.
Additional information	Other ecotoxicological advice: Do not discharge product into the environment without control.

13. DISPOSAL CONSIDERATIONS

Must be disposed of or incinerated in accordance with local regulations.	
Contaminated packaging	Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

14. TRANSPORT INFORMATION

Domestic transport	Not classified as a dangerous good under transport regulations
Sea Transport IMDG	Not classified as a dangerous good under transport regulations
Air Transport IATA/ICAO	Not classified as a dangerous good under transport regulations

15. REGULATORY INFORMATION

Other regulations	To avoid risks to man and the environment, comply with the instructions for use. If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection. Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP): Not scheduled
Registration status	AICS, AU released/exempt Biocidal product

16. OTHER INFORMATION

Emergency Contacts	24 Hour Emergency Response Number (Australia) 24 Hour Emergency Response Number (New Zealand) Poisons & Hazardous Chemicals Information (New Zealand)	1800 033 111 0800 734 607 +64 (0)3 47647 000
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The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.