



1. Identification of the substance/preparation and company/undertaking.

NAME ADS AquaPucks Wastewater Treatment **MSDS No** ADS-AP-WW2

Synonyms: Sodium Carbonate Peroxyhydrate,

Common uses: Treatment pucks are used introduced into wastewater streams and holding containers or use in Sewage Lift Stations, Wet Wells, Sewer lines, and POTW systems to reduce odors (e.g. H₂S, NH₃, VFA's), prevent corrosive acid formation (e.g. H₂SO₄, HNO₃) and reduce FOG related backups and damage.

Supplied by: **Aqua Dynamic Solutions LLC NERC**
211 Collabar Road Crawford, NY 12566 Tel: 845-943-6419 Fax 845-943-6422
 Emergency No. 845-943 -6419 Emergency No. (24 hours) 845-800-9938

2. Composition/information on ingredients.

Contains:	
Sodium Percarbonate	20%
Colloidal Vegetable Protein	5%
Sodium Carbonate	5%
Lyophilized Microbes (Non- Pathogenic Strains)	5%
Surfactant	3%
Sodium Bicarbonate	1%
Binders	3%
Buffers	58%

Hazardous ingredient / impurity	% Conc.	Classification	Exposure	CAS	EINECS
Sodium Percarbonate	25	5.1		15630-89-4	239-707-6
Sodium (C14-16) olefin sulfonate	3			68439-57-6	270-407-8

3. Hazards identification.

Classification:

Bacterial culture - non pathogenic

4. First Aid measures.

Immediate medical attention is required in case of exposure by inhalation, contact with skin or eyes, or if swallowed.

<u>Exposure Route</u>	<u>Symptom</u>	<u>Treatment</u>
Inhalation	Prolonged or repeated inhalation of dust, may irritate the respiratory tract	Remove from exposure, rest and keep warm. In severe cases, or if recovery is not rapid or complete seek medical attention.
Skin Contact	May cause irritation and discomfort	Drench the skin with plenty of water for 15 minutes; use a mild soap if available. Remove contaminated clothing and wash before reuse. If large areas of the skin are damaged or if irritation persists seek medical attention.
Eye Contact	May cause irritation and pain	Remove contact lens and irrigate thoroughly with water for at least 15 minutes. Obtain medical attention.
Ingestion	Irritation of gastrointestinal tract, nausea, diarrhea	Wash out mouth with water. Do not induce vomiting. If patient is conscious, give water to drink. If patient feels unwell seek medical attention.

Immediate Treatment / Antidote: symptomatic treatment

Delayed Effects: bacterial infection

5. Fire Fighting measures.

Suitable Extinguishers: water

Unsuitable Extinguishers:

Hazardous Combustion Products: None Known. Large dust accumulations can be explosive, similar to a grain dust explosion.

Special Equipment for Fire Fighting: self contained breathing apparatus

6. Accidental Release measures.

Personal Precautions: Wear appropriate PPE - See section 8

Environmental Precautions: The bacteria and carriers are naturally occurring and should not pose an environmental risk.

Clean up Procedure: Vacuum spilled material and place in closed plastic bags for disposal. Wash spill site with water. If bacterial contamination is an issue use chlorine to kill the bacillus spores.

7. Handling & Storage.

Handling Ventilation: Good general ventilation.

Recommended procedures & equipment: avoid creating dust

Storage Store in a dry area.

Keep away from: See section 10

Suitable storage Media: original container with closed lid

Precautions against static discharge: NA

8. Exposure Controls/personal protection.

Exposure Limits: NA

Personal Protective Equipment:

Respiratory: NIOSH approved dust filter respirator for exposure above permissible exposure limits. Respiratory protection programs must be in accordance with 29 CFR 1910.134

Hand: Wash hands after use. Gloves recommended

Eye: Safety glasses or goggles recommended.

Skin: Wash after exposure. Boots, aprons, or chemical suits should be used when necessary to prevent skin contact. Personal protective clothing and use of equipment must be in accordance with 29 CFR 1910.132 (general requirements), .133 (eye and face protection, and .138 (hand protection).

Environmental controls: Users should be aware of environmental considerations and their duties under the environmental protection act.

Hygiene Measures: Always wash thoroughly after handling chemicals.

9. Physical & Chemical Properties.

Appearance	white with specks
Odor	Slight Musty Odor
pH	8.5 (5% suspension)
Boiling point/range	NA
Melting point/range	NA
Flash point	NA
Specific gravity	NA
Bulk density	Variable
Volume % Volatile	NA
Physical state	Solid Puck
Vapor pressure	None
Heat solution	NA
Solubility in water	Partially Insoluble
Vapor density	Not soluble
Evaporation rate	NA

10. Stability & Reactivity.

Stability: Keep cool and dry. Pucks effervesces oxygen, upon contact with water.

Conditions/Materials to avoid: Avoid storing in moist and damp conditions. Mixing with additives may alter toxicological properties.

Hazardous decomposition products: None known

11. Toxicological Information.

Toxicological effects: Low Acute oral toxicity although ingestion will cause irritation of the gastrointestinal tract and may result in nausea and diarrhea. May cause mild mechanical irritation to eyes, skin and mucous membranes. May cause irritation from allergic reaction, especially to people that have a history of allergic reaction.

12. Ecological Information.

Environmental Effects: Not Known

Bioaccumulative potential: Not Known

Aquatic Toxicity: Not Known

13. Disposal considerations.

Substance: Via an authorized waste disposal contractor to an approved waste disposal site, observing all local and national regulations.

Container: As substance.

14. Transport Information.

Not regulated for transport

UN number	NA	Class	NA
Primary Hazard	NA	Subsidiary Hazard	NA
Packing Group	NA	Emergency Action Code	NA
H.I. Number	NA	Marine Pollutant	NA
Proper Shipping name	Water treatment compounds, bacterial culture		

15. Regulatory Information.

Label Name ADS AquaPucks Wastewater Treatment
Symbols no risk or safety phrases stipulated
Risk Phrases 8 Contact with combustible material may cause fire.
 36/38 Irritating to eyes and skin.

Safety Phrases

- 3 Keep in a cool place.
- 8 Keep container dry.
- 17 Keep away from combustible material.
- 24/25 Avoid contact with skin and eyes.
- 26 I in case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

E.C. No

Additional labeling:

Use of this material may be governed by the following regulations: - (users are advised to consult these regulations for further information).

The information contained in this data sheet does not constitute an assessment of workplace risks.

16. Other Information.

This material must not be used for direct contact with food:

Wash hands thoroughly after handling.

Further details may be available upon request from your local **Aqua Dynamic Solutions LLC** distributor.

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