

Safety Data Sheet

FLUIDRA

NON-Hazardous, NON-Dangerous Goods

1. MATERIAL AND SUPPLY COMPANY IDENTIFICATION

Product name: AstralPool - Acquatherepe Pool Minerals

Synonyms

Mineral swimming pool salt - New Formula

Product Code

10177

Recommended use: Mineral swimming pool salts

Supplier: Fluidra Group Australia Pty Ltd

ABN: 87 002 641 965

Street Address: 219 Woodpark Road

Smithfield

NSW

2164

Telephone: 02 9755 8900

Facsimile: 1300 367 077

Emergency Telephone number: 02 9755 8900 (8.30am - 4.30pm AEST)

2. HAZARDS IDENTIFICATION

Based on available information, this material is not classified as hazardous according to criteria of Safe Work Australia.

Poison Schedule: Not Applicable

DANGEROUS GOOD CLASSIFICATION

Not classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".

3. COMPOSITION INFORMATION

| CHEMICAL ENTITY | CAS NO | PROPORTION |
|--------------------------------------------|-----------|------------|
| Sodium chloride (NaCl) | 7647-14-5 | 15-45 % |
| Potassium chloride (KCl) | 7447-40-7 | 10-50 % |
| Magnesium chloride, hexahydrate | 7791-18-6 | 20-60 % |
| Disodium tetraborate decahydrate | 1303-96-4 | 0-15 % |
| Ingredients determined to be Non-Hazardous | | Balance |
| | | 100% |

4. FIRST AID MEASURES

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 131 126, New Zealand 0800 764 766).

Inhalation: Remove patient to fresh air. Seek medical attention for any breathing difficulty.

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Skin Contact: Gently brush away excess particles. Wash with water until area is clean.

Eye contact: Quickly and gently remove particles from eye. If irritation occurs flush with lukewarm water, gently washing with water flow for 5 minutes. Obtain medical assistance if irritation continues.

Ingestion: Drink plenty of water, do not induce vomiting. Wash mouth with water and give some to drink.

PPE for First Aiders: Wear overalls, chemical goggles, dust mask.

Notes to physician: Treat symptomatically. Call the Poisons Information Centre if you feel that you may have been poisoned or irritated by this product. Australia 131126 New Zealand 0800764766

5. FIRE FIGHTING MEASURES

Hazchem Code: Not applicable.

Suitable extinguishing media: If material is involved in a fire use water fog (or if unavailable fine water spray), alcohol resistant foam, standard foam, dry agent (carbon dioxide, dry chemical powder).

Specific hazards: Non-combustible material.

Fire fighting further advice: Not applicable.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILLS

Do not discharge into drains. Material released or spilt, sweep up or shovel into containers for recovery or disposal. Flush away residues with water.

LARGE SPILLS

Do not discharge into drains. Seek advice from emergency services in the event of a large spill. Material released or spilt, sweep up or shovel into containers for recovery or disposal. Flush away residues with water.

Dangerous Goods - Initial Emergency Response Guide No: Not applicable

7. HANDLING AND STORAGE

Handling: Under normal circumstances no specific handling measures necessary if used correctly. For prolonged contact, dust mask, rubber gloves, safety glasses/goggles may be used for personal comfort.

Storage: Store in a cool, dry, ventilated area away from oxidising materials or strong acids. Keep poly bag sealed when not in use. Store out of sunlight to prevent deterioration

This product does not meet the criteria of a "Manufactured Product" as defined in the ADG Code.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

National occupational exposure limits:

| | TWA | STEL | NOTICES | |
|--|-----|-------------------|---------|-------------------|
| | ppm | mg/m ³ | ppm | mg/m ³ |

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Borates, tetra, sodium salts (decahydrate) - 5 - - -

As published by Safe Work Australia.

TWA - The time-weighted average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life.

STEL (Short Term Exposure Limit) - the average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour workday.

These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

If the directions for use on the product label are followed, exposure of individuals using the product should not exceed the above standard. The standard was created for workers who are routinely, potentially exposed during product manufacture.

Biological Limit Values: As per the "National Model Regulations for the Control of Workplace Hazardous Substances (Safe Work Australia)" the ingredients in this material do not have a Biological Limit Allocated.

Engineering Measures: Ensure ventilation is adequate to maintain air concentrations below Exposure Standards. Use only in well ventilated areas. Avoid generating and inhaling dusts. Use with local exhaust ventilation or while wearing dust mask.

Personal Protection Equipment: OVERALLS, CHEMICAL GOGGLES, DUST MASK.

Personal protective equipment (PPE) must be suitable for the nature of the work and any hazard associated with the work as identified by the risk assessment conducted.

Avoid dust formation. Under normal circumstances personal protective equipment (PPE) is not required. However, under particular dusty conditions, a dust mask, safety glasses/ goggles, overalls are recommended.

Wear overalls, chemical goggles, dust mask.

Hygiene measures: Avoid dust formation. Under normal circumstances personal protective equipment (PPE) is not required. However, under particular dusty conditions, a dust mask, safety glasses/ goggles, overalls are recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Material Family: Organic Materials
Base Units: Kilogram
Form: Granules
Colour: Translucent to white , granules or powder
Odour: Odourless

Solubility: 360g/L water at 20°C
Solubility in water: 360g/L water @ 20°C
Specific Gravity: 1.95-2.1
Density: No Data
Relative Vapour Density (air=1): No Data
Vapour Pressure (20 °C): 1mm Hg @ 865°C
Flash Point (°C): No Data
Flammability Limits (%): No Data

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| | |
|---------------------------------------|------------------|
| Autoignition Temperature (°C): | No Data |
| Melting Point/Range (°C): | 804°C |
| Pour Point/Range (°C): | No Data |
| Boiling Point/Range (°C): | 1461°C @101.3kPa |
| Decomposition Point (°C): | N/A |
| Sublimation Point (°C): | N/A |
| Dropping Point (°C): | N/A |
| pH: | N/A |
| Viscosity: | N/A |
| Surface Tension: | N/A |
| Evaporation Rate (n-Butyl acetate=1): | N/A |
| Partition Coefficient: | N/A |
| Total VOC (g/Litre): | N/A |
| Odour Threshold: | No Data |
| Explosive properties: | No Data |
| Oxidising properties: | No Data |
| % Volatile by Volume: | No Data |
| Molecular Formula: | No Data |
| Molecular Weight: | 58.44 |

(Typical values only - consult specification sheet)
N Av = Not available, N App = Not applicable

10. STABILITY AND REACTIVITY

Chemical stability: Stable

Conditions to avoid: Reactions with strong acids

Incompatible materials: Strong Acids, keep away from oxidising materials

Hazardous decomposition products: When heated above 801°C will emit toxic fumes of chlorine and sodium oxide.

Hazardous reactions: With strong acids

11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Acute Effects

Inhalation: Irritant to mucous membranes. May cause sneezing

Skin contact: Slightly irritant to some sensitive individuals or when applied to open cuts or abrasions.

Ingestion: There is no data at hand to indicate any particular target organ. Ingestion of large amounts, >50g may cause nausea and vomiting

Eye contact: Slight irritation, redness. Exposure to the dust may cause discomfort due to particulate nature. May cause physical irritation to the eyes.

Acute toxicity

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Inhalation: This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): LC50 > 5 mg/L

Skin contact: This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >2,000 mg/Kg bw

Ingestion: This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >2,000 mg/Kg bw

Corrosion/Irritancy: Eye: this material has been classified as not corrosive or irritating to eyes. Skin: this material has been classified as not corrosive or irritating to skin.

Sensitisation: Inhalation: this material has been classified as not a respiratory sensitiser. Skin: this material has been classified as not a skin sensitiser.

Aspiration hazard: This material has been classified as non-hazardous.

Specific target organ toxicity (single exposure): This material has been classified as non-hazardous.

Chronic Toxicity

Mutagenicity: This material has been classified as non-hazardous.

Carcinogenicity: This material has been classified as non-hazardous.

Reproductive toxicity (including via lactation): This material has been classified as non-hazardous.

Specific target organ toxicity (repeat exposure): This material has been classified as non-hazardous.

12. ECOLOGICAL INFORMATION

Avoid contaminating waterways.

Acute aquatic hazard: N/A

Long-term aquatic hazard: N/A

Ecotoxicity: N/A

Persistence and degradability: No information available.

Bioaccumulative potential: No information available.

Mobility: No information available.

13. DISPOSAL CONSIDERATIONS

Do not discharge into drains

14. TRANSPORT INFORMATION

ROAD AND RAIL TRANSPORT

Not classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods

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by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".
This product does not meet the criteria of a "Manufactured Product" as defined in the ADG Code.

MARINE TRANSPORT

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

AIR TRANSPORT

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

15. REGULATORY INFORMATION

This material is not subject to the following international agreements:

Montreal Protocol (Ozone depleting substances)
The Stockholm Convention (Persistent Organic Pollutants)
The Rotterdam Convention (Prior Informed Consent)
Basel Convention (Hazardous Waste)
International Convention for the Prevention of Pollution from Ships (MARPOL)

This material/constituent(s) is covered by the following requirements:

- Component of this product is listed on or exempt from the Australian Inventory of Chemical Substances (AICS).
- All components of this product are listed on or exempt from the New Zealand Inventory of Chemical (NZIoC).

16. OTHER INFORMATION

Reason for issue: First Issue

This information was prepared in good faith from the best information available at the time of issue. It is based on the present level of research and to this extent we believe it is accurate. However, no guarantee of accuracy is made or implied and since conditions of use are beyond our control, all information relevant to usage is offered without warranty. The manufacturer will not be held responsible for any unauthorised use of this information or for any modified or altered versions.

If you are an employer it is your duty to tell your employees, and any others that may be affected, of any hazards described in this sheet and of any precautions that should be taken.

Safety Data Sheets are updated frequently. Please ensure you have a current copy.