

**FILTER BACKWASH CAKE**

**1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER**

<b>Product Name</b>	Filter Backwash Cake
<b>Product Code</b>	-
<b>Other Names</b>	-
<b>Product Use</b>	Waste Product
<b>Company Name</b>	Australian Water Services
<b>Address</b>	Perth Seawater Desalination Plant Barter Road Kwinana Beach WA 6167
<b>Telephone Number</b>	(08) 6263 8921
<b>Emergency Telephone</b>	(08) 9410 1659

**2. HAZARDS IDENTIFICATION**

**NON HAZARDOUS SUBSTANCE. NON DANGEROUS GOODS.**  
Not classified as hazardous according to the criteria of ASCC.

<b>Hazards</b>	-
<b>Risk Phrases</b>	-
<b>Safety Phrases</b>	-

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

<b>Ingredient (common name)</b>	<b>CAS Number</b>	<b>Proportion</b>
Water	7732-18-5	70-80%
Iron hydroxide	1309-33-7	1-10%
Calcium carbonate	1317-65-3	1-10%
Sodium chloride	7647-14-5	1-2%
Ingredients deemed not to be hazardous	-	5-10%

**4. FIRST AID MEASURES**

<b>Inhalation</b>	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if symptoms persist.
<b>Ingestion</b>	No effects expected. If large amounts are ingested, seek medical attention
<b>Skin</b>	Never give anything by mouth to an unconscious person. Remove contaminated clothing and wash affected areas with soap and water. Seek medical attention if irritation develops. Launder clothing before reuse.

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**Eyes** In case of eye contact, check for and remove any contact lenses. Immediately irrigate eyes with plenty of running water for at least 15 minutes, keeping eyelids open. Seek immediate medical attention.

### 5. FIRE FIGHTING MEASURES

	For major fires call the Fire Brigade. Ensure that an escape path is available from any fire.
<b>Suitable Extinguishing Media</b>	Use extinguishing agents appropriate for surrounding fire.
<b>Hazardous Combustion Products</b>	None known.
<b>Firefighting Equipment</b>	Wear ASCC approved self-contained breathing apparatus and full protective clothing.
<b>Unusual Fire or Explosion Hazards</b>	Non flammable material.
<b>Hazchem Code</b>	Not allocated.

### 6. ACCIDENTAL RELEASE MEASURES

**Spills** Collect as much material as possible into container and dispose off.

### 7. HANDLING AND STORAGE

<b>Handling</b>	Use of safe work practices are recommended to avoid eye or skin contact and inhalation.
<b>Storage</b>	Not applicable.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Exposure Standards (ASCC)</b>	<b>Calcium carbonate</b> TWA: - ppm - 10 mg/m <sup>3</sup> (total) STEL: - ppm - mg/m <sup>3</sup> TWA: - ppm - 5 mg/m <sup>3</sup> (respirable dust) STEL: - ppm - mg/m <sup>3</sup>
<b>Engineering Controls</b>	Under normal conditions of use, no special ventilation equipment is needed.
<b>Respiratory Protection</b>	Respiratory protection is not normally necessary. If the airborne concentration of dust is high a dust mask P1 may be necessary.
<b>Eye Protection</b>	Safety glasses or goggles with side shields.
<b>Skin Protection</b>	Gloves and protective clothing to minimize skin contact.
<b>Hygienic Practices</b>	Food, beverages and tobacco products should not be stored or consumed where this material is in use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance</b>	Moist solid brown cake
<b>Odour</b>	Slight odour associated with marine organic residue
<b>Solubility in water</b>	Insoluble
<b>Boiling Point / Range</b>	Not applicable
<b>Freezing / Melting point</b>	Not applicable
<b>Vapour Pressure</b>	Not applicable
<b>Vapour Density (Air = 1)</b>	Not applicable
<b>Specific Gravity</b>	~1.20
<b>Flash Point</b>	Not applicable
<b>Flammable Limit – Lower</b>	Not applicable
<b>Flammable Limit – Upper</b>	Not applicable
<b>Ignition Temperature</b>	Not applicable

**10. STABILITY AND REACTIVITY**

<b>Chemical Stability</b>	Stable at ambient temperature and under normal conditions of use.
<b>Incompatible Materials</b>	Acids, ammonium salts, magnesium, alum.
<b>Hazardous Decomposition Products</b>	None known.
<b>Hazardous Polymerization</b>	No information available.
<b>Conditions to Avoid</b>	No information available.

**11. TOXICOLOGICAL INFORMATION**

<b>Toxicity</b>	<b>Sodium chloride:</b> Oral LD <sub>50</sub> (rat) = 3000mg/kg Oral LDLo (man) = 1000mg/kg Oral LD <sub>50</sub> (mouse) = 4000mg/kg Dermal LD <sub>50</sub> (rabbit) > 10000mg/kg
<b>Routes of Exposure</b>	Inhalation, ingestion, eye and skin
<b>Health effects from likely routes of exposure</b>	Inhalation: Inhalation may cause irritation to mucous membranes and upper respiratory tract. Short term exposure: irritation; long term exposure: no effects known Ingestion: Short term exposure: no effects known; long term exposure: no effects known Eye: Short term exposure: irritation; long term exposure: no effects known Skin: Short term exposure: irritation; long term exposure: dermatitis
<b>Effects of Overexposure</b>	Prolonged or repeated exposure may cause dermatitis.
<b>Existing Conditions</b>	No information available.
<b>Aggravated by Exposure</b>	
<b>Carcinogenicity</b>	No information available.

### 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	This material contains high levels of salt. Entry into fresh water environments may be hazardous to aquatic life.
<b>Mobility</b>	Polyelectrolyte and marine organic matter components may biodegrade. All other components are inorganic and do not biodegrade.

### 13. DISPOSAL CONSIDERATIONS

<b>Disposal methods and containers</b>	Dispose according to applicable local and state government regulations.
<b>Special precautions for landfill or incineration</b>	Please consult your state Land Waste Management Authority for more information

### 14. TRANSPORT INFORMATION

Not classified as a dangerous good according to the Australian Code for the Transport of Dangerous goods by road or rail.

<b>UN Number</b>	Not applicable.
<b>Proper Shipping Name</b>	Not applicable.
<b>Dangerous Goods Class</b>	Not applicable.
<b>Hazchem Code</b>	Not applicable.
<b>Packing Group</b>	Not applicable.
<b>Special Precautions</b>	Not applicable.

### 15. REGULATORY INFORMATION

Water, iron hydroxide, calcium carbonate and sodium chloride are listed in the Australian Inventory of Chemical Substances (AICS).

### 16. OTHER INFORMATION

<b>Last Revision of MSDS</b>	Rev 1.0 (04/02/2008)
<b>Prepared by</b>	MSDS.COM.AU Pty Ltd <a href="http://www.msds.com.au">www.msds.com.au</a>
<b>Abbreviations Used</b>	IARC: International Agency for Research on Cancer ASCC: Australian Safety and Compensation Council NTP: National Toxicology Program (U.S.) OSHA: Occupational Safety and Health Administration (U.S.) STEL: Short term exposure limit TWA: Time weighted average



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### Emergency Contacts

<b>Australian Water Services</b>	<b>(08) 6263 8921</b>
<b>Australian Water Services – Emergency Number</b>	<b>(08) 9410 1659</b>
<b>Police and Fire Brigade</b>	<b>000</b>
<b>Poisons Information Centre</b>	<b>13 11 26</b>

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Please read instructions / label before using product.