

## Material Safety Data Sheet

1	<b>IDENTIFICATION OF SUBSTANCE</b>	Commercial Names Chemical Name 1.2 Use of substance 1.3 Company Identification 1.4 Emergency Telephone	<b>AMSORB<sup>®</sup> SATDIVE</b> <b>Indicating Carbon Dioxide Absorbent for Surface Supplied Saturation Diving</b> Armstrong Medical Limited Wattstown Business Park, Newbridge Road, Coleraine BT52 1BS, Northern Ireland Tel: 00 44 (0) 28 70 356029 Fax: 00 44 (0) 28 70 356875 E-mail: <a href="mailto:info@armstrongmedical.net">info@armstrongmedical.net</a>
2	<b>COMPOSITION</b>	EINECS Number (Hazards associated with components)	215-137-3 Calcium Hydroxide w/w >80% (R36, R37, R38) 233-140-8 Calcium Chloride (R36, R37, R38) 231-900-3 Calcium Sulphate (R36, R37, R38) H <sub>2</sub> O.
3	<b>HAZARDS IDENTIFICATION</b>	Risk Phrases	R36 - Irritating to eyes R37 - Irritating to respiratory system R38 - Irritating to skin
4	<b>FIRST AID MEASURES</b>	Inhalation Skin Eyes Ingestion	Remove from exposure. Obtain medical attention if upper respiratory tract becomes inflamed. Drench with clean water. Obtain medical attention if skin becomes inflamed. Irrigate thoroughly with clean water. Obtain immediate medical attention. Wash out mouth thoroughly. Obtain medical attention. There are no known delayed effects.
5	<b>FIRE FIGHTING</b>	Extinguishing Media Fire and Explosion Hazards Protective Measures	Water, Foam, CO <sub>2</sub> and Powder are all suitable. Material is non-combustible. Packaging may be combustible. Breathing apparatus may be needed.
6	<b>ACCIDENTAL RELEASE</b>	Personal Precautions Environmental Precautions Recovery	Avoid inhaling high concentrations of dust. Avoid skin and eye contact. None. Contain material. Sweep or vacuum up.
7	<b>HANDLING AND STORAGE</b>	7.1 Handling 7.2 Storage 7.3 Specific Use	Avoid exposure to direct sunlight. Store in a clean, dry environment. Seal containers after use before storing.
8	<b>EXPOSURE CONTROLS AND PERSONAL PROTECTION</b>	8.1 Occupational Exposure Limits 8.2 Respiratory Protection 8.3 Hand Protection 8.4 Eye Protection 8.5 Skin Protection 8.6 Environmental Exposure Controls	Component: TWA/8h STE/15min Calcium Hydroxide 5mg/m <sup>3</sup> 2mg/m <sup>3</sup>  Nuisance dust mask recommended.  General purpose rubber gloves.  Safety glasses to protect against dust.  Wash exposed area after skin contact.  No risk to environment.
9	<b>PHYSICAL &amp; CHEMICAL PROPERTIES</b>	Appearance Odour pH	White or coloured solids, granules.  None.  10-14

		Oxidising properties Vapour Pressure Relative Density Solubility in water	Very weak oxidising agent. 0 at 20°C 2.0g/cm <sup>3</sup> Slightly soluble.
10	<b>STABILITY &amp; REACTIVITY</b>	10.1 Conditions to avoid 10.2 Materials to avoid 10.3 Hazardous Decomposition products	Material is stable. Converts to calcium carbonate when exposed to air and acids. Avoid contact with Chloroform or Trichloroethylene. Heat is generated when exposed to acids.
11	<b>TOXICOLOGICAL INFORMATION</b>	Inhalation Skin Contact Eye Contact Ingestion Long term exposure	High concentrations of dust may cause irritation of the respiratory tract. Irritant in the presence of moisture.  Painful irritant, risk of damage to the eyes if untreated. May cause irritation of the gastrointestinal tract.  Prolonged and repeated exposure to unprotected skin may cause dermatitis.  Calcium Hydroxide: LD(50) = 7.3kg rat
12	<b>ECOLOGICAL INFORMATION</b>	12.1 Ecotoxicity 12.2 Mobility 12.3 Persistence and Degradability 12.4 Bioaccumulative Potential	No risk of prolonged damage to animal or plant life. Low, converts to naturally occurring minerals. Non-biodegradable, may have a sterilising effect in sewage works. None.
13	<b>DISPOSAL CONSIDERATIONS</b>		Disposal by licensed contractor and carrier. Should be disposed of as non-contaminated waste.
14	<b>TRANSPORT INFORMATION</b>	Transport Classification UN Number Hazard Class Packing Group	Not classified as hazardous for transport. None N/A N/A
15	<b>REGULATORY INFORMATION</b>	Supply Classification Risk Phrases Safety Phrases	Irritant  R36,37,38 Irritating to eyes, respiratory system and skin  S2 Keep out of reach of children S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical attention. S37/39 Wear suitable gloves and eye/face protection.
16	<b>OTHER INFORMATION</b>	Shelf Life	5 (five) years.

**FOR FURTHER INFORMATION CONTACT:**

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