



DAREX®

W. R. Grace & Co.
62 Whittemore Avenue
Cambridge, MA 02140

SAFETY DATA SHEET

EMERGENCY PHONE NO. (617) 876-1400

Rev. 1, Ver. 15

SECTION I - IDENTIFICATION

PRODUCT (TRADE) NAME: SODASORB® Absorbent

General Chemical Description: Alkaline carbon dioxide absorbent

NOTE: This MSDS covers the following non-medical grades of SODASORB®:

- SODASORB® 4-8 IND H
- SODASORB® 4-8 IND HP
- SODASORB® 4-8 REG HP
- SODASORB® 4-8 REG L
- SODASORB® 6-12 IND L

SECTION II - INGREDIENTS

<u>Hazardous Ingredients</u>	<u>% by Weight</u>	<u>OSHA PEL*</u>	<u>ACGIH TLV**</u> Maximum Exposure Value (ppm) (8 hour time-weighted average)
calcium hydroxide [CAS#1305-62-0]	above 80	5 mg/m ³	5 mg/m ³
potassium hydroxide [CAS#1310-58-3]	below 3	2 mg/m ³ (ceiling)	2 mg/m ³ (ceiling)
sodium hydroxide [CAS#1310-73-2]	below 2	2 mg/m ³ (ceiling)	2 mg/m ³ (ceiling)

* 29 CFR Section 1910.1000, July 1, 1992

** 1999 recommendation, American Conference of Governmental Industrial Hygienists

<u>Other Ingredients</u>	<u>% by Weight</u>
pH indicator (IND grades only)	below 1



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SECTION III - PHYSICAL DATA

Solubility in Water: Slightly soluble

Specific Gravity (water=1): Approx. 2

Appearance: White to off-white granules

Odor: No odor

Volatiles (% by weight): 0 - 19 as moisture loss

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point: Non-flammable (See Section VIII.)

SECTION V - REACTIVITY DATA

Product is stable; hazardous polymerization will not occur.

Will react (be neutralized) with acids. May react with chloroform slightly, producing sodium formate, carbon monoxide, and phosgene. May react with trichloroethylene, producing dichloroacetylene, carbon monoxide, and phosgene.

SECTION VI - SPILL OR LEAK PROCEDURES

Handling Precautions: See Section VIII.

For Small Spills: Scoop up and place in closed fibre-board or lined metal containers. Rinse area with water. Wash area with soapy water and rinse.

For Large Spills: Scrape or shovel into containers.

Dispose of all product wastes and water rinses in accordance with current local, state, and Federal regulations.

Unused material is not a hazardous waste as defined in 40 CFR Sec. 261.3.



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SECTION VII - HEALTH HAZARD DATA

Threshold Limit Values: See Section II.

	<u>Signs & Symptoms of Acute Exposure</u>	<u>Emergency First Aid Procedures</u>
<u>Inhalation:</u>	Dust can cause irritation and injury to the respiratory system.	Remove to fresh air.
<u>Eyes:</u>	Severe irritation upon contact. Risk of serious damage to eyes.	Immediately flush eyes with water for at least 15 minutes; get medical attention.
<u>Skin:</u>	Irritation upon direct contact.	Wash affected area with water; if irritation occurs and persists, get medical attention. Remove contaminated clothing.
<u>Ingestion:</u>	Harmful if swallowed.	Dilute with weak vinegar solution or a 5% solution of ammonium chloride if these are available. If not, dilute with large quantities of water. Do not induce vomiting. Get medical attention.

CHRONIC EFFECTS: None known.

Medical Conditions Aggravated by Overexposure: Preexisting skin diseases may be aggravated.

GET MEDICAL ATTENTION IF SYMPTOMS PERSIST

SECTION VIII - SPECIAL PRECAUTIONS

Handling and Storing:

- Keep all SODASORB® that has been used with highly flammable anesthetics away from heat, sparks, and open flames, as residual amounts of these materials will be present.
- Avoid breathing dust.
- Avoid skin and eye contact.
- Keep from freezing; absorption rates may be reduced at temperatures below freezing.
- Freezing of product may increase fines.
- Do not leave SODASORB® exposed to air for extended periods; this will cause moisture loss.
- Avoid prolonged storage under direct ultraviolet light; this depletes dye contained in Indicator SODASORB®.

We hope the information give herein will be helpful. It is based on our best knowledge and we believe it to be true and accurate. Please read all statements. Recommendations or suggestions herein in conjunction with our conditions of sale which apply to all goods supply by us. We assume no responsibility for the use of these statements, recommendations or suggestions nor do we intend them as a recommendation for any use which would infringe any patent or copyright.