

Product Name: SODASORB® LF
MSDS ID Number: C-00581

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: SODASORB® LF
MSDS Number: C-00581
MSDS Date: 11/01/2005
Chemical Description: Inorganic Solid Blend
CAS # (Chemical Abstracts Service Number): 14180-60-7
Manufactured by: DAREX
W.R. Grace & Co.-Conn.
62 Waterboro Avenue
Canterbridge, MA 02140
In Case of Emergency Call: (617) 870-1400

SECTION 2 - COMPOSITION INFORMATION ON INGREDIENTS

CAS#	Percent (max)
001305-62-0	50-100
01480-60-7	< 1
001310-73-2	< 1

SECTION 3 - HAZARDS IDENTIFICATION

Emergency Overview:
Caution!
Causes severe eye irritation.
Causes skin irritation.
May be harmful if inhaled.
May cause risk of lung disease (i.e. silicosis and/or lung cancer).
HMS Rating:
Health:
2
0
0
Reactivity:
Personal Protective Equipment:
B (See Section 8)

Potential Health Effects:
Inhalation: Dust can cause irritation and injury to the respiratory system.
If inhaled as a vapor or mist, causes irritation, sore throat, coughing and breathing difficulty.
- Effects include: Tightness of chest, hyper-sensitive individuals may experience allergic respiratory reaction, wheezing, and symptoms include coughing, shortness of breath, wheezing and reduced pulmonary function.
Eye Contact: Eye contact can cause severe irritation.
Skin Contact: Skin contact can result in permanent damage.
Flotation: Not expected to be harmful if absorbed through the skin.
Effects include: Nausea, pain, vomiting, diarrhoea, bleeding, and tissue ulceration.

SECTION 4 - FIRST AID MEASURES

First Aid:
If in contact with skin: Wash with soap and water.
If in contact with eyes: Flush eyes with water for at least 15 minutes while holding eyelids open.
Remove contaminated clothing and wash before reuse.
Eye Contact: Flush eyes with water for at least 15 minutes while holding eyelids open.
Gel Hardens: Medical attention.
Ingestion: Do not induce vomiting.
Newsw: Give nothing by mouth to an unconscious person.
Call a physician.
Inhalation: If symptoms develop, get fresh air. If symptoms persist, consult a physician.
If breathing has stopped, give artificial respiration then oxygen if needed.

W. R. GRACE MATERIAL SAFETY DATA SHEET

MSDS Date: 11/01/2005

SECTION 5 - FIRE AND EXPLOSION HAZARD DATA

Flash Point: Not Flammable
Flash Point Method: Not Applicable
Lower Explosion Limit: Not Available
Upper Explosion Limit: Not Available
Auto-Ignition Temperature: Not Available

NEPA Rating:

Health: 2
Flammability: 0
Reactivity: 0

Extinguishing Media: In case of fire, use water spray, dry chemical, carbon dioxide or foam.
Special Fire Fighting Procedures: None
Unusual Fire and Explosion Hazard: Keep all SODASORB® LF that has been used with highly flammable anaesthetics away from heat, sparks, and open flames, as residual amounts of these materials will be present.

SECTION 6 - ACCIDENTAL RELEASE MEASURES:

Spills/Leaks: Carefully shovel or sweep up spilled material and place in suitable container for disposal, do not use material in anaesthetic circuit.

SECTION 7 - HANDLING AND STORAGE

Precautionary Measures:
Do not leave SODASORB® LF exposed to air for extended periods of time, since this will cause moisture loss and reduce CO₂ absorption performance.
Avoid contact with eyes, skin and clothing.
Do not take internally.
Avoid creating airborne dust, especially when pouring or handling loose material.
Keep from freezing, which may reduce CO₂ absorption performance and increase fines.
SODASORB® LF that has been frozen should be completely thawed before use.
Wear gloves and eye protection when handling SODASORB® LF.
Wear a dust mask, if necessary.
Keep all SODASORB® LF that has been used with highly flammable anaesthetics away from heat, sparks, and open flames, as residual amounts of these materials will be present.
Do not subject SODASORB® LF to high fresh gas flow rates for extended periods of time since this will cause moisture loss from the absorbent.
Keep dry SODASORB® LF with fresh absorbent if high fresh gas flow rates have been left on for an extended period of time when the anaesthetic machine has not been in use.
Avoid prolonged storage under direct ultraviolet light since this degrades dye contained in indicator SODASORB® LF.

SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTIVE EQUIPMENT

EXPOSURE GUIDELINES (US)			
Ingredient	ACGIH TLV	OSHA PEL	Other
TWA	5 mg/m ³ TWA	5 mg/m ³ TWA (not in effect as a result of reconsideration)	
Quartz (respirable fraction)	0.05 mg/m ³ TWA	0.1 mg/m ³ TWA (respirable dust)	
Sodium hydroxide	2 mg/m ³ Ceiling		
Other			

EXPOSURE GUIDELINES (CANADA)

Employers should consult local provincial regulatory limits for exposure guidelines which may vary locally.
Engineering Controls:
Keep all SODASORB® LF that has been used with highly flammable anaesthetics away from heat, sparks, and open flames, as residual amounts of these materials will be present.

Personal Protective Equipment: Wear approved respiratory protection to prevent employee exposure from exceeding the limits specified in Section 2.

Skin Protection: Rubber or other impervious gloves should be worn to prevent skin contact.
Eye Protection: Safety goggles should be worn to prevent eye contact.

Hygiene Practices: Use good personal hygiene practices.
Quartz (Crystalline silica): is a naturally-occurring mineral that is commonly found in materials that are mined from the earth's surface such as sand, limestone, clay and gypsum (Calcium sulfate). Total quartz is a value usually representing the combined fraction of large, nonrespirable sized particles and of respirable sized particles (less than 10 microns in aerodynamic diameter). It is only the respirable fraction of total quartz that is recognized as hazardous by professionals in the field of Occupational Health and by most regulatory agencies. This product contains compounds

