



LABCONCO CORPORATION 8811 Prospect Ave, Kansas City, MO 64132
(816) 333-8811 or (800) 821-5525 • (816) 363-0130 fax • labconco.com

SAFETY DATA SHEET (SDS)

SECTION 1 - IDENTIFICATION

Product Name: SODASORB® 4-8 IND H MED
MSDS Number: C-00594
Cancelled MSDS Number: C-00446
MSDS Date: 04/10/2006
Chemical Description: Inorganic Solid Blend
Product Use: Alkaline carbon dioxide absorbent
CAS # Mixture-NA
Manufactured by: DAREX
W.R. Grace & Co.-Conn.
62 Whittemore Avenue
Cambridge, MA 02140
In Case of Emergency Call: (617) 876-1400

SECTION 2 – HAZARD(S) IDENTIFICATION

Emergency Overview:

Caution!

Causes severe eye irritation

Causes skin irritation.

May be harmful if ingested.

HMIS Rating:

Health: 2

Flammability: 0

Reactivity: 0

Personal Protective Equipment: B (See Section 8)

Potential Health Effects:

Inhalation: Dust can cause irritation and injury to the respiratory system.

Prolonged or repeated overexposure can cause damage to the mucous membranes.

Effects include: No other effects expected unless listed below.

Eye Contact: Eye contact can cause severe irritation.

Prolonged eye contact can result in permanent damage.

Risk of serious damage to eyes.

Skin Contact: Skin contact causes irritation.

Prolonged skin contact can result in permanent damage.

Pre-existing skin disease may be aggravated.

Skin Absorption: Not expected to be harmful if absorbed through the skin.

Ingestion: Harmful if ingested.

Effects include: Nausea, pain, vomiting, diarrhea, bleeding and tissue ulceration.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

| Ingredient | CAS# | Percent (max) |
|-------------------|-------------|---------------|
| Calcium hydroxide | 001305-62-0 | 50-100 |
| Sodium hydroxide | 001310-73-2 | 1-10 |

Contains less than 4% Sodium Hydroxide.

SECTION 4 – FIRST-AID MEASURES

Skin Contact: Wash with soap and water.

If discomfort or irritation persists, consult a physician.

Remove contaminated clothing and wash before reuse.

Eye Contact: Flush eyes with water for at least 15 minutes while holding eyelids open.

Get immediate medical attention.

Ingestion: Do not induce vomiting.

Never give anything by mouth to an unconscious person.

Call a physician.

Dilute with weak vinegar solution or a 5% solution of ammonia chloride if available. If not, dilute with large quantities of water.

Inhalation: If symptoms develop, get fresh air. If symptoms persist, consult a physician.

If breathing has stopped, give artificial respiration then oxygen if needed.

SECTION 5 – FIRE-FIGHTING MEASURES

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

NFPA 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 Hazards: None unless noted below.

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.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Spills/Leaks: Carefully shovel or sweep up spilled material and place in suitable container for disposal. Do not use SODASORB which has been spilled.

SECTION 7 – HANDLING & STORAGE

Precautionary Measures: Do not leave SODASORB 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 that has been frozen should be completely thawed before use.

Wear gloves and eye protection when handling SODASORB. Wear a dust mask, if necessary.

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.

Do not subject SODASORB to high fresh gas flow rates for extended periods of time since this will cause moisture loss from the absorbent. Replace dry SODASORB with fresh absorbent if high fresh gas flow rates have been left on for an extended period of time when the anesthesia machine has not been in use.

Avoid prolonged storage under direct ultraviolet light since this depletes dye contained in Indicator SODASORB.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE GUIDELINES (US)

| Ingredient | ACGIH TLV | | | OSHA PEL | | | Other |
|-------------------|-------------------------|------|-----------------------------|---|------|---------|-------|
| | TWA | STEL | Ceiling | TWA | STEL | Ceiling | |
| Calcium hydroxide | 5 mg/m ³ TWA | - | - | 5 mg /m ³ TWA (not in effect as a result of reconsideration) | - | | |
| Sodium hydroxide | - | - | 2 mg/m ³ Ceiling | | - | | |

EXPOSURE GUIDELINES (CANADA)

Employers should consult local Provincial regulatory limits for exposure guidelines which may vary locally.

Engineering Controls:

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.

Personal Protective Equipment:

Respiratory Protection: 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.

Work/Hygienic Practices: Use good personal hygiene practices.

None beyond those noted above.

SECTION 9 – PHYSICAL & CHEMICAL PROPERTIES

| | |
|--|--------------------------|
| Physical State: | Solid |
| Appearance/Odor: | Odorless White Granules |
| Odor Threshold: (ppm) | Not Available |
| pH: | Not Available |
| Vapor Pressure: (Mm Hg) | Not Applicable |
| Vapor Density: (Air = 1) | Not Applicable |
| Solubility in Water: (%w/w) | Slight |
| Specific Gravity: (Water = 1) | Not Applicable |
| Evaporation Rate: | Not Applicable |
| Boiling Point: | Not Applicable |
| Freezing Point: | Not Available |
| Melting Point: | Not Applicable |
| Density: (g/ml) | Not Applicable |
| Volatiles (including water) % by Weight: | 12 – 19 as moisture loss |
| O/W Partition Coefficient: | Not Determined |
| Volatile Organic Content: (lb/gal less water) | Not Applicable |
| Volatile Organic Content: (kg/l less water) | Not Applicable |

SECTION 10 – STABILITY & REACTIVITY

| | |
|--|---|
| Chemical Stability: | Stable |
| Conditions to Avoid: | None known for this product |
| Hazardous Polymerization: | Will not polymerize |
| Hazardous Decomposition Products: | None known for this product. May react with chloroform slightly, producing sodium formate, carbon monoxide and phosgene. May react with trichloroethylene, producing dichloroacetylene, carbon monoxide and phosgene. |

SECTION 11 – TOXICOLOGICAL INFORMATION

Ingredients (No data unless listed)

CAS Number

LD50 and LC50

SODASORB was determined to be non-corrosive using the InVitro International CORROSITEX test protocol to determine corrositivity.

Carcinogenicity:

| Ingredient | IARC Group 1 | IARC Group 2A | IARC Group 2B | NTP Known | NTP Suspect | OSHA |
|-------------------|--------------|---------------|---------------|-----------|-------------|------|
| Calcium hydroxide | No | No | No | No | No | No |
| Sodium hydroxide | No | No | No | No | NO | No |

Mutagenicity: Not Applicable

Teratogenicity: Not Applicable

Reproductive Toxicity: Not Applicable

SECTION 12 – ECOLOGICAL INFORMATION

Environmental Fate: No data available for this product

Ecotoxicity: No data available for this product

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste Disposal Procedures: Unused Sodasorb is not a hazardous waste as defined in the United States 40 Code of Federal Regulations Section 261.3. Disposal of used Sodasorb must be determined by the end user in compliance with federal, state, provincial, and local regulations. Specific disposal methods vary with the chemical (e.g. anesthetic agents, acid-based vapors, etc.) or biological agents used with the absorbent by the end user.

SECTION 14 – TRANSPORT INFORMATION

Proper Shipping Name: Compounds, Gas Absorbing, NOI
UN/NA Number: Not Applicable
Domestic Hazard Class: Nonhazardous
Surface Freight Classification: Compounds, Gas Absorbing, NOI
Label/Placard Required: Not Applicable

SECTION 15 – REGULATORY INFORMATION

REGULATORY CHEMICAL LISTS:

CERCLA (Comprehensive Response Compensation and Liability Act):

(None present unless listed below)

| <u>Chemical Name</u> | <u>CAS #</u> | <u>Wt %</u> | <u>CERCLA RQ</u> |
|----------------------|--------------|-------------|------------------|
|----------------------|--------------|-------------|------------------|

SARA Title III (Superfund Amendments and Reauthorization Act)

SARA Section 312/Tier I & II Hazard Categories:

| | |
|--------------------------|-----|
| Health Immediate (acute) | Yes |
| Health Delayed (chronic) | No |
| Flammable | No |
| Reactive | No |
| Pressure | No |

302 Reportable Ingredients (Identification Threshold 1%):

| <u>Chemical Name</u> | <u>CAS #</u> | <u>Wt %</u> | <u>SARA 302 TPQ</u> |
|----------------------|--------------|-------------|---------------------|
|----------------------|--------------|-------------|---------------------|

313 Reportable Ingredients (Chemicals present below reporting threshold are exempt):

| <u>Chemical Name</u> | <u>CAS #</u> | <u>Wt %</u> |
|----------------------|--------------|-------------|
|----------------------|--------------|-------------|

WHMIS Classifications(s): D2 B

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR). This SDS contains all the information required by the CPR.

State Regulatory Information:

California Proposition 65: WARNING! This product contains substances known to the state of California to cause cancer, birth defects or other reproduction harm.

Massachusetts Hazardous Substance List (Identification threshold 0.0001% (1 ppm)):

| <u>Chemical Name</u> | <u>CAS #</u> | <u>Wt %</u> |
|----------------------|--------------|-------------|
|----------------------|--------------|-------------|

New Jersey Hazardous Substance List (Identification threshold 0.1%):

| <u>Chemical Name</u> | <u>CAS #</u> | <u>Wt %</u> |
|----------------------|--------------|-------------|
|----------------------|--------------|-------------|

Pennsylvania Hazardous Substance List (Identification threshold 0.01%):

| <u>Chemical Name</u> | <u>CAS #</u> | <u>Wt %</u> |
|----------------------|--------------|-------------|
|----------------------|--------------|-------------|

CHEMICAL INVENTORY STATUS:

All chemicals in this product are listed or exempt from listing in the following countries:

| US | CANADA | | EUROPE | AUSTRALIA | JAPAN | KOREA | PHILIPPINES |
|------|--------|------|---------------|-----------|-------|-------|-------------|
| TSCA | DSL | NDSL | EINECS/ELINCS | AICS | ENCS | ECL | PICCS |
| Yes | Yes | No | Yes | Yes | No | No | No |

| |
|---------------------------------------|
| SECTION 16 – OTHER INFORMATION |
|---------------------------------------|

Non-Hazardous Ingredient Disclosure:**Chemical Name**

Water

CAS Number

007732-18-5

Prepared by: EH&S Department**Approved by:** EH&S Department**Approved date:** 04/10/2006**Revision date:** 09/18/2017**Disclaimer:**

“The data included herein are presented in accordance with various environment, health and safety regulations. It is the responsibility of a recipient of the data to remain currently informed on chemical hazard information, to design and update its own program and to comply with all national, federal, state and local laws and regulations applicable to safety, occupational health, right-to-know and environmental protection.”