

## Safety Data Sheet acc. to OSHA HCS

Printing date 04/13/2017

Version: 3.0

Reviewed on 04/13/2017

### 1 Identification

- **Product identifier**
- **Trade name:** **SODASORB® 4-8 IND H MED**
- **Application of the substance / the preparation:**  
Absorbent  
Intermediate product of varied applicability in industry and trade.
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
GCP Applied Technologies  
62 Whittemore Avenue  
Cambridge, MA 02140  
UNITED STATES  
Tel: +1 800.GET.SODA (+1 800.438.7632)
- **Information department:**  
msds.darex@gcpat.com  
Environmental Health & Safety  
USA: +1-617-876-1400 (24 hours)  
+1-800-354-5414 (8AM - 5PM) Not functional within Massachusetts
- **Emergency telephone number:**  
Chemtrec North America: +1-800-424-9300  
Chemtrec International: +1-703-527-3887

### 2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS05 Corrosion

Eye Dam. 1 H318 Causes serious eye damage.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

STOT SE 3 H335 May cause respiratory irritation.

- **Label elements**

- **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

- **Hazard pictograms**



GHS05 GHS07

- **Signal word** Danger

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- **Hazard-determining components of labeling:**

calcium hydroxide  
sodium hydroxide

- **Hazard statements**

Causes skin irritation.  
Causes serious eye damage.  
May cause respiratory irritation.

- **Precautionary statements**

Avoid breathing dust/fume/gas/mist/vapors/spray  
Wear protective gloves / eye protection / face protection.  
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
Immediately call a POISON CENTER/doctor.  
IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
Store locked up.  
Store in a well-ventilated place. Keep container tightly closed.  
Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Classification system:**

- **NFPA ratings (scale 0 - 4)**



Health = 2  
Fire = 0  
Reactivity = 0

- **HMIS-ratings (scale 0 - 4)**



Health = 2  
Fire = 0  
Reactivity = 0

## 3 Composition/information on ingredients

- **Chemical characterization: Mixtures**

- **Description:** Mixture of the substances listed below with nonhazardous additions.

- **List of Dangerous Components**

1305-62-0	calcium hydroxide	70-90%
	⚠ Eye Dam. 1, H318; ⚠ Skin Irrit. 2, H315; STOT SE 3, H335	
1310-73-2	sodium hydroxide	<4.0%
	⚠ Met. Corr.1, H290; Skin Corr. 1A, H314	

## 4 First-aid measures

- **Description of first aid measures**

- **After inhalation:**

In case of unconsciousness place patient stably in the recovery position for transportation.

- **After skin contact:**

Immediately wash with water for 30 minutes and rinse thoroughly.

If skin irritation occurs, consult a doctor.

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- **After eye contact:**  
Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Then consult a doctor.
- **After swallowing:** Do not induce vomiting; immediately call for medical help.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed**  
No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

## 5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:** Use fire fighting measures that suit the environment.
- **For safety reasons unsuitable extinguishing agents:** No further relevant information available.
- **Hazardous combustion products** Carbon monoxide and carbon dioxide
- **Advice for firefighters**
- **Protective equipment:** Do not inhale explosion gases or combustion gases.
- **Additional information**  
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

## 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:**  
Do not allow product to reach sewage system or any water course.  
Inform respective authorities in case of seepage into water course or sewage system.
- **Methods and material for containment and cleaning up:** Ensure adequate ventilation.
- **Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

## 7 Handling and storage

- **Handling:**
- **Precautions for safe handling** No special precautions are necessary if used correctly.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:**  
Protect from frost.

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Store in dry conditions.

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## 8 Exposure controls/personal protection

### • Control parameters

#### • Components with limit values that require monitoring at the workplace:

##### 1305-62-0 calcium hydroxide

PEL Long-term value: 15\* 5\*\* mg/m<sup>3</sup>  
\*total dust \*\*respirable fraction

REL Long-term value: 5 mg/m<sup>3</sup>

TLV Long-term value: 5 mg/m<sup>3</sup>

##### 1310-73-2 sodium hydroxide

PEL Long-term value: 2 mg/m<sup>3</sup>

REL Ceiling limit value: 2 mg/m<sup>3</sup>

TLV Ceiling limit value: 2 mg/m<sup>3</sup>

#### • Additional information: Valid lists at time of creation were used as basis.

#### • Exposure controls

#### • Appropriate engineering controls No further relevant information available.

#### • Personal protective equipment:

#### • General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing.  
Wash hands before breaks and at the end of work.  
Do not inhale gases / fumes / aerosols.  
Avoid contact with the skin.  
Prevent contact with the eyes and skin.

#### • Breathing equipment:

In case of brief exposure use respiratory filter device. In case of intensive or longer exposure use respirator that is independent of circulating air. As appropriate for the employee exposure, use a NIOSH approved respirator and cartridge.  
As appropriate for the employee exposure, use a NIOSH approved respirator and cartridge.

#### • Protection of hands:



Protective gloves

Check protective gloves prior to each use for their proper condition.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

#### • Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Recommended thickness of the material:  $\geq 0.5$  mm

PVC gloves

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- For the permanent contact gloves made of the following materials are suitable: PVC gloves
- Eye protection:



Tightly sealed goggles

- Body protection: Protective work clothing

## 9 Physical and chemical properties

### · Information on basic physical and chemical properties

#### · General Information

#### · Appearance:

Form:	Pellets
Color:	Whitish

· Odor:	Characteristic
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· pH-value:	Not applicable.
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#### · Change in condition

Melting point/Melting range:	Not determined.
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Boiling point/Boiling range:	Not available.
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#### · Conditions of flammability

Flash point:	Not applicable.
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· Flammability (solid, gaseous):	Not determined.
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· Ignition temperature:	Not available.
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· Decomposition temperature:	Not available.
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· Auto igniting:	Product is not self-igniting.
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· Danger of explosion:	Product does not present an explosion hazard.
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#### · Explosion limits:

Lower:	- Vol %
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Upper:	- Vol %
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· Explosion data - sensitivity to mechanical impact	Not determined.
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· Explosion data - sensitivity to static discharge	Not determined.
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· Vapor pressure:	Not applicable.
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· Density:	Not determined.
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· Specific Gravity	Not available
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· Vapor density	Not applicable.
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· Evaporation rate	Not applicable.
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#### · Solubility in / Miscibility with

Water:	Slightly soluble.
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· Coefficient of water/oil distribution:	Not available.
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- |                            |  |
|----------------------------|--|
| · <b>Viscosity:</b>        |  |
| <b>Dynamic:</b>            | Not applicable.                            |
| <b>Kinematic:</b>          | Not applicable.                            |
| · <b>Other information</b> | No further relevant information available. |

## 10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability** No decomposition if used according to specifications.
- **Possibility of hazardous reactions**  
May react with trichloroethylene, producing dichloroethylene, carbon monoxide and phosgene.
- **Conditions to avoid**  
In case of thermal decomposition caused by smouldering and incomplete combustion toxic fumes may be developed.
- **Incompatible materials:** Protect from contamination.
- **Hazardous decomposition products:** No dangerous decomposition products known.

## 11 Toxicological information

- **Information on the likely routes of exposure**
- **Delayed and immediate effects and chronic effects from short or long term exposure**
- **Information on toxicological effects**
- **Acute toxicity:**

- **LD/LC50 values that are relevant for classification:**

### 1305-62-0 calcium hydroxide

Oral	LD50	>2000 mg/kg (rat) (OECD 425) ECHA 2011
Dermal	LD50	>2500 mg/kg (rabbit) (OECD 402) ECHA 2011

### 1310-73-2 sodium hydroxide

Dermal	LD50	1350 mg/kg (rabbit) IUCLID Dataset 18-Feb-2000
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- **Primary irritant effect:**

- **on the skin:**  
Irritant to skin and mucous membranes.

Irritation of skin	IS	>60 (in-vitro) (OECD 425) comp. product GRACE
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### 1305-62-0 calcium hydroxide

Irritation of skin	IS	irritating (rabbit) (OECD 404) ECHA 2011
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### 1310-73-2 sodium hydroxide

Irritation of skin	IS	5.6 (rabbit) (§ 1500.41 in Federal Register Vol. 38, No. 187) ECHA 2014
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- **on the eye:**

Strong irritant with the danger of severe eye injury.

**1305-62-0 calcium hydroxide**

Irritation of eyes	IS	irritating (rabbit) (OECD 405) ECHA 2011
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**1310-73-2 sodium hydroxide**

Irritation of eyes	IS	>2.25 (rabbit) (OECD 405) ECHA 2014
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- **Respiratory sensitization** No further relevant information available.

- **Skin sensitization**

**1310-73-2 sodium hydroxide**

Sensitization	SI	0 (human being) ECHA 2014
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- **Additional toxicological information:**

- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

- **NTP (National Toxicology Program)**

None of the ingredients is listed.

- **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

- **CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)**

- **Carcinogenicity** No further relevant information available.

- **Mutagenicity**

**1310-73-2 sodium hydroxide**

AMES Test	- mg/plate (Salmonella typhimurium) negative with and without metabolic activation ECHA 2014
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- **Reproductive toxicity** No further relevant information available.

- **Specific target organ toxicity (single exposure)** No further relevant information available.

- **Specific target organ toxicity (repeated exposure)** No further relevant information available.

- **Aspiration hazard** No further relevant information available.

## 12 Ecological information

- **Toxicity**

- **Aquatic toxicity:** No further relevant information available.

- **Fish toxicity**

**1305-62-0 calcium hydroxide**

LC50 (96 h)	160 mg/l (Gambusia affinis) IUCLID Dataset 18-Feb-2000 50.6 mg/l (Oncorhynchus mykiss) ECHA 2011
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**1310-73-2 sodium hydroxide**

LC50 (48h)	189 mg/l (Leuciscus idus) IUCLID Dataset (18/Feb/2000)
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· **Water flea toxicity****1305-62-0 calcium hydroxide**

EC50 (48 h)	49.1 mg/l (Daphnia magna) (OECD 202) ECHA 2011
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**1310-73-2 sodium hydroxide**

EC50 (48 h)	100 mg/l (Daphnia magna) IUCLID Dataset 18-Feb-2000
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· **Algae toxicity****1305-62-0 calcium hydroxide**

EC10 (72 h)	79.22 mg/l (Pseudokirchneriella subcapitata) (OECD 201) crangon septemspinosa
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· **Persistence and degradability** No further relevant information available.· **Behavior in environmental systems:**· **Bioaccumulative potential** No further relevant information available.· **Mobility in soil** No further relevant information available.· **Additional ecological information:**· **General notes:**

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Must not reach bodies of water or drainage ditch undiluted or unneutralized.

· **Results of PBT and vPvB assessment**· **PBT:** Not applicable.· **vPvB:** Not applicable.· **Other adverse effects** No further relevant information available.**13 Disposal considerations**· **Disposal methods** Comply with Federal, State, and local regulations.· **Recommendation:**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

**14 Transport information**· **UN-Number**· **DOT, ADR, ADN, IMDG, IATA**

Not applicable.

· **UN proper shipping name**· **DOT, ADR, ADN, IMDG, IATA**

Not applicable.

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· <b>Transport hazard class(es)</b>	
· <b>DOT, ADR, ADN, IMDG, IATA</b>	
· <b>Class</b>	Not applicable.
· <b>Packing group</b>	
· <b>DOT, ADR, IMDG, IATA</b>	Not applicable.
· <b>Environmental hazards:</b>	Not applicable.
· <b>Special precautions for user</b>	Not applicable.
· <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b>	
· <b>DOT</b>	
· <b>Quantity limitations</b>	On passenger aircraft/rail: -
· <b>ADR</b>	
· <b>Remarks:</b>	Contains <4% Sodium Hydroxide, see Special Provision 62
· <b>IMDG</b>	
· <b>Remarks:</b>	Contains <4% Sodium Hydroxide, see Special Provision 62
· <b>IATA</b>	
· <b>Remarks:</b>	Contains <4% Sodium Hydroxide, see Special Provision A16

## 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **SARA**

### · **SARA 302/304**

None of the ingredients is listed.

### · **SARA 313**

None of the ingredients is listed.

### · **SARA 311/312**

Health Hazard - Skin corrosion or irritation

Health Hazard - Serious eye damage or irritation

Health Hazard - Specific target organ toxicity (single or repeated exposure)

- **TSCA (Toxic Substance Control Act)** All ingredients are listed or exempt from listing.

### · **Proposition 65**

### · **Chemicals known to cause cancer:**

None of the ingredients is listed.

### · **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

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- **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

- **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

- **Carcinogenic categories**

- **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

- **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

- **Canadian DSL** All substances are listed or exempt from listing, unless noted below.

- **Canadian NDSL**

All substances are listed or exempt from listing.

## 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**

H290 May be corrosive to metals.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

- **Department issuing SDS:**

GCP Applied Technologies

Health and Safety Information

- **Date of preparation / last revision** 04/13/2017 / 2.9

- **The first date of preparation** 01/28/2015

- **Number of revision times and the latest revision date** 3.0 / 04/13/2017

- **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety &amp; Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

Met. Corr. 1: Corrosive to metals – Category 1

Skin Corr. 1A: Skin corrosion/irritation – Category 1A

Skin Irrit. 2: Skin corrosion/irritation – Category 2

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Eye Dam. 1: Serious eye damage/eye irritation – Category 1  
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

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