



## MATERIAL SAFETY DATA SHEET

May be used to comply with OSHA's Hazard Communications Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

Product Name Kalkwasser  
Product ID 2167, 2168, 2195

12/01/12

### SECTION 1

#### PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Kalkwasser  
**SYNONYMS:** Calcium Hydroxide  
**PRODUCT CODES:** 2167, 2168, 2195  
**MANUFACTURER:** SR Aquaristik  
**ADDRESS:** 902 S. Randall Rd. Suite C #308, St. Charles, IL 60174  
**EMERGENCY PHONE:** 630-524-4612  
**EMAIL CONTACT:** info@sraquaristik.com  
**CHEMICAL FORMULA:** Ca(OH)<sub>2</sub>

### SECTION 2

#### COMPOSITION/INFORMATION ON INGREDIENTS

**HAZARDOUS INGREDIENTS** None known.  
**COMPONENTS** All ingredients not precisely identified are proprietary.

<b>OTHER INGREDIENTS:</b>	Calcium Hydroxide
<b>CAS NO.</b>	1305-62-0
<b>% WT</b>	@
<b>OVER 3%</b>	yes

OSHA PEL: 5mg/m<sup>3</sup>  
ACGIH TLV: 5mg/m<sup>3</sup>  
**SARA 313 REPORTABLE** no

### SECTION 3

#### HAZARDS IDENTIFICATION

##### EMERGENCY OVERVIEW:

**Appearance:** White powder  
**Odor:** none

##### POTENTIAL HEALTH EFFECTS

**EYES:** Irritant; direct contact may burn eyes with possible permanent injury with prolonged or repeated exposure  
**SKIN:** acute-prolonged contact may irritate skin  
**INGESTION:** Excessive ingestion may cause nausea or gastrointestinal discomfort  
**INHALATION:** may irritate mucous

	<b>ACUTE AND CHRONIC HEALTH HAZARDS:</b>	None known.
	<b>MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:</b>	Respiratory Disease, Skin condition
<b>CARCINOGENICITY</b>	OSHA:	n/a
	IARC:	n/a
	ACGIH:	n/a
	OTHER:	n/a
	NTP:	n/a

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**SECTION 4**      **FIRST AID MEASURES**

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<b>EYES:</b>	Flush eyes thoroughly with running water for 15 minutes while keeping the eyelids wide open.  Consult physician if redness or irritation persists.
<b>SKIN:</b>	In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.
<b>INGESTION:</b>	Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.
<b>INHALATION:</b>	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

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**SECTION 5**      **FIRE-FIGHTING MEASURES**

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<b>SUITABLE EXTINGUISHING MEDIA</b>	any
<b>EXTINGUISHING MEDIA WHICH MUST NOT BE USED FOR SAFETY REASONS</b>	none
<b>SPECIAL EXPOSURE HAZARDS IN A FIRE</b>	none
<b>SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS</b>	none
<b>OTHER INFORMATION</b>	none

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**SECTION 6**      **ACCIDENTAL RELEASE MEASURES**

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<b>PERSONAL PRECAUTIONS</b>	Follow protective measures provided in sections 5 and 8
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**ENVIRONMENTAL PRECAUTIONS  
METHODS FOR CLEAN UP**

Keep away materials and products which are incompatible with product specified in section 10  
Rinse spilled product to dilute areas of direct contact.  
Wear suitable clothing and protective equipment  
Recover or mop up excess material and reuse wherever possible.  
Absorb unusable product with suitable material and dispose of in accordance with Section 13.

**SECTION 7**

**HANDLING AND STORAGE**

**HANDLING** Maintain good housekeeping practices  
Wash hands after use  
Avoid contact with potable water or food

**STORAGE** Keep in a dry place  
Keep away from direct sunlight  
Keep away from heat  
Keep away from incompatible products specified in section 10  
Keep only in the original container at temperature not exceeding 40C (104F)

**SECTION 8**

**EXPOSURE CONTROLS/PERSONAL PROTECTION**

**ENGINEERING CONTROLS:** n/a

**VENTILATION:** Local exhaust, mechanical exhaust recommended

**RESPIRATORY PROTECTION:** Dust filter mask recommended

**EYE PROTECTION:** ANSI approved safety glasses with side protection or goggles.

**SKIN PROTECTION:** Wear suitable protective clothing

**HYGIENIC PRACTICES:** Handle in accordance with good hygiene and safety practice.

**SECTION 9**

**PHYSICAL AND CHEMICAL PROPERTIES**

**GENERAL INFORMATION**

**APPEARANCE:** White powder

**ODOR:** none

**IMPORTANT HEALTH SAFETY AND ENVIRONMENTAL INFORMATION**

**pH:** 9.5

**BOILING POINT** n/a

**FLASH POINT** n/a

**MELTING POINT** n/a

**FLAMMABILITY  
(SOLID, GAS)** non flammable

**EXPLOSIVE  
PROPERTIES** non-explosive

**VAPOR  
PRESSURE:** n/a

**VAPOR DENSITY:** n/a

**BULK DENSITY** n/a

**EVAPORATION  
RATE:** n/a

**SOLUBILITY IN  
WATER:** .077% @ 100C

DECOMPOSITION n/a  
TEMPERATURE  
VISCOSITY: n/a  
SPECIFIC GRAVITY 2.2

## SECTION 10

### STABILITY AND REACTIVITY

STABILITY: Stable under normal conditions of use.  
CONDITIONS TO AVOID: none  
INCOMPATIBILITY (MATERIAL TO AVOID): Acid, phosphorus oxide  
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: none known  
HAZARDOUS POLYMERIZATION: n/a  
CONDITIONS TO AVOID: n/a

## SECTION 11

### TOXICOLOGICAL INFORMATION

#### TOXICOLOGICAL DATA:

ACUTE ORAL TOXICITY causes severe irritation of the eyes  
ACUTE INHALATION TOXICITY causes severe irritation of the respiratory tract  
ACUTE DERMAL IRRITATION/ CORROSION none known  
SKIN IRRITATION causes slight irritation  
EYE IRRITATION causes severe irritation of the eyes  
SENSITIZATION none  
CHRONIC TOXICITY n/a  
CHRONIC TOXICITY/ CARCINOGENIC DESIGNATION: Prolonged or repeated skin contact may produce severe irritation or dermatitis.

## SECTION 12

### ECOLOGICAL INFORMATION

ECOTOXICITY EFFECTS:  
ACUTE TOXICITY: none known  
MOBILITY: not applicable  
PERSISTENCE AND DEGRADABILITY: none known  
BIOACCUMULATIVE POTENTIAL: is not known to accumulate

## SECTION 13

### DISPOSAL CONSIDERATIONS

WASTE TREATMENT: Dispose of within current local and state regulations.  
No special method required.  
PACKAGING TREATMENT: Consult federal, state, and local regulations regarding the proper disposal of emptied containers.  
RCRA HAZARD CLASS: n/a

**SECTION 14****TRANSPORT INFORMATION****U.S. DEPARTMENT OF TRANSPORTATION**

**PROPER SHIPPING NAME:** Chemicals Not Otherwise Indexed (NOI) Not Hazardous  
**HAZARD CLASS:** Not Regulated  
**ID NUMBER:** n/a  
**LABEL:** none  
**STATEMENT:**

**WATER TRANSPORTATION**

**PROPER SHIPPING NAME:** Chemicals Not Otherwise Indexed (NOI) Not Hazardous  
**HAZARD CLASS:** Not Regulated  
**ID NUMBER:** n/a  
**LABEL:** none  
**STATEMENT:**

**AIR TRANSPORTATION**

**PROPER SHIPPING NAME:** Chemicals Not Otherwise Indexed (NOI) Not Hazardous  
**HAZARD CLASS:** Not Regulated  
**ID NUMBER:** n/a  
**LABEL:** none  
**STATEMENT:**

**SECTION 15****REGULATORY INFORMATION**

Preparation does not contain ingredients listed as a dangerous substance in Annex 1 of the EEC directive 67/548.

**SECTION 16****OTHER INFORMATION****KEEP OUT OF REACH OF CHILDREN**

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