



SAFETY DATA SHEET

SURGEMASTER™

Boiler water treatment

SECTION 1 – PRODUCT AND COMPANY INFORMATION

Product Name

Surgemaster™

Product Codes

68742

Chemical Family

Inorganic

Use

Boiler water treatment

Manufacturer's Name

The RectorSeal Corporation
2601 Spenwick Drive
Houston, Texas 77055 USA

Date of Validation

January 23, 2015

Date of Preparation

October 8, 2012

HMIS Codes

Health	1
Flammability	0
Reactivity	0
PPI	B

Emergency Telephone No.

Chemtrec 24 Hours
(800)-424-9300 USA
(703)-527-3887 International

Technical Service Telephone No.

(800)-231-3345 or (713)-263-8001

SECTION 2 – HAZARDS IDENTIFICATION

GHS CLASSIFICATION

Physical Hazards:

None

Health Hazards

Acute Toxicity:

Oral: Not Classified
Dermal: Not Classified
Inhalation: Not Classified
Skin Corrosion/Irritation: Not Classified
Serious Eye Damage/Eye Irritation: Not Classified
Respiratory or Skin Sensitization: Not Classified
Germ Cell Mutagenicity: Not Classified
Carcinogenicity: Not Classified
Reproductive Toxicology: Not Classified
Target Organ Systemic Toxicity - Single Exposure: Not Classified
Target Organ Systemic Toxicity - Repeated Exposure: Not Classified

Aspiration Toxicity: Not Classified

GHS Label elements, including precautionary statements

Pictogram: None

Signal Word: None

Hazard Statements:
None

Precautionary Statements:
P102 - Keep out of reach of children.
P264 - Wash hands thoroughly after handling.

Summary Of Acute Hazards

Repeated inhalation may cause respiratory irritation. Avoid inhaling powder.

Route Of Exposure, Signs And Symptoms

INHALATION

Dust may cause irritation to lungs and respiratory tract. Avoid inhaling powder.

EYE CONTACT

Contact may cause eye irritation.

SKIN CONTACT

None known.

INGESTION

May cause irritation of the digestive tract.

SUMMARY OF CHRONIC HAZARDS

None known.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

Individuals with pre-existing or chronic diseases of the eyes and respiratory system may have increased susceptibility to excessive exposure.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient:	Amorphous Silica
Percentage By Weight:	59.98
CAS Number:	7631-86-9
EC#:	231-545-4
Ingredient:	Sodium Phosphate
Percentage By Weight:	9.98
CAS Number:	68915-31-1
EC#:	272-808-3
Ingredient:	Silicon Dioxide
Percentage By Weight:	6.00
CAS Number:	7631-86-9
EC#:	231-545-4

SECTION 4 – FIRST AID MEASURES

If inhaled:	Remove to fresh air; administer oxygen, or artificial respiration if needed. Seek immediate medical attention.
If on skin:	Wash with soap and water.
If in eyes:	Immediately flush with large amounts of water. If irritation occurs, seek medical attention.
If swallowed:	If swallowed, call a physician immediately. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.

SECTION 5 – FIRE FIGHTING MEASURES

Extinguishing Media

Non-combustible. Use agents appropriate for surrounding fires.

Special Fire Fighting Procedures: Wear self-contained breathing apparatus (SCBA) and other protective clothing.

Unusual Fire And Explosion Hazards: None known.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Steps To Be Taken In Case Material Is Released Or Spilled: Sweep up to prevent footing hazard.

SECTION 7 – HANDLING AND STORAGE

Precautions To Be Taken In Handling And Storing: Store in dry place.

KEEP OUT OF REACH OF CHILDREN.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredient	Units
Amorphous Silica	
ACGIH TLV:	10 mg/m ³
OSHA PEL:	6 mg/m ³
Sodium Phosphate	
ACGIH TLV:	N/D
OSHA PEL:	N/D
Silicon Dioxide	
ACGIH TLV:	30 mg/m ³
OSHA PEL:	0.1 mg/m ³

Respiratory Protection (Specify Type): None required.

Ventilation – Local Exhaust: N/A

Special: N/A

Mechanical (General): N/A

Other: N/A

Protective Gloves: N/A

Eye Protection: Safety glasses (ANSI Z-87.1 or equivalent)

Other Protective Clothing Or Equipment: Coveralls recommended.

Work/Hygienic Practices: Where use can result in skin contact, wash exposed areas thoroughly before eating, drinking, smoking, or leaving work area. Launder contaminated clothing before reuse.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Boiling point:	N/A
Specific gravity (H ₂ O = 1):	Solid
Vapor pressure (mmHg):	N/A
Melting point:	N/A
Vapor Density (Air = 1):	N/A
Evaporation rate (Ethyl Acetate = 1):	N/A
Appearance/Odor:	Greenish White Powder/Mild odor
Solubility in water:	Insoluble
Volatile Organic Compounds (VOC) Content (theoretical percentage by weight):	0% or (0 g/L)
Flash point:	None
Lower explosion limit:	N/D
Upper explosion limit:	N/D

SECTION 10 – STABILITY AND REACTIVITY

Stability: Stable

Conditions To Avoid: None known.

Incompatibility (Materials To Avoid): None known.

Hazardous Decomposition Products: None known.

Hazardous Polymerization: Will not occur.

SECTION 11 – TOXICOLOGY INFORMATION

Chronic Health Hazards

No ingredient in this product is an IARC, NTP or OSHA Lister carcinogen.

Toxicology Data

Ingredient Name

Amorphous Silica

Oral-Rat LD50: 3160 mg/kg
 Inhalation-Rat LCLo: 50 mg/m³/6H/2Y-I

Sodium Phosphate

Oral-Rat LD50: N/D
 Inhalation-Rat LC50: 3053 mg/kg

Silicon Dioxide

Intraperitoneal-Rat LDLo: 400 mg/kg
 Inhalation-Rat LC50: N/D

SECTION 12 – ECOLOGICAL INFORMATION

Ecological Data

Ingredient Name: **Amorphous Silica**

Food Chain Concentration Potential: N/D

Waterfowl Toxicity: N/D

BOD: N/D

Aquatic Toxicity: N/D

Ingredient Name: **Sodium Phosphate**

Food Chain Concentration Potential: N/D

Waterfowl Toxicity: N/D

BOD: N/D

Aquatic Toxicity: N/D

Ingredient Name: **Silicon Dioxide**

Food Chain Concentration Potential: N/D

Waterfowl Toxicity: N/D

BOD: N/D

Aquatic Toxicity: N/D

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste Classification: Non-regulated solid waste

Disposal Method: Approved landfill

Waste from this product is not considered hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Dispose of in accordance with federal, state, and local regulation regarding pollution.

SECTION 14 – TRANSPORTATION INFORMATION

DOT:	Non-regulated
Ocean (IMDG):	Non-regulated
Air (IATA):	Non-regulated
WHMIS (Canada):	Non-regulated

SECTION 15 – REGULATORY INFORMATION

Regulatory Data

Ingredient Name: **Amorphous Silica**

SARA 313 N/A

TSCA Inventory Yes

CERCLA RQ N/A

RCRA Code N/A

Ingredient Name: **Sodium Phosphate**

SARA 313: N/A

TSCA Inventory Yes

CERCLA RQ N/A

RCRA Code N/A

Ingredient Name: **Silicon Dioxide**

SARA 313: N/A

TSCA Inventory Yes

CERCLA RQ N/A

RCRA Code N/A

SECTION 16 – OTHER INFORMATION

This document is prepared pursuant to the OSHA Hazard Communication Standard (29 CFR 1910.1200).
The information herein is given in good faith, but no warranty, expressed or implied is made.

Consult RectorSeal for further information: (713) 263-8001