



A CSW Industrials Company

SAFETY DATA SHEET

SURGEMASTER™

Boiler Surge Inhibitor

SECTION 1 - PRODUCT AND COMPANY INFORMATION

Product name
Surgemaster

Product Codes
68742

Chemical Family
Inorganic

Use
Boiler Water Treatment

Manufacturer's Name
RectorSeal LLC
2601 Spenwick Drive
Houston, Texas 77055 USA

Date of validation
May 13, 2020

Date of Preparation
May 13, 2020

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

EMERGENCY OVERVIEW

OSHA Physical Hazards
None

GHS CLASSIFICATION

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: Category 1A
Reproductive Toxicology: Not Classified
Target Organ Systemic Toxicity - Single Exposure: Not Classified
Target Organ Systemic Toxicity - Repeated Exposure: Category 1
Aspiration Toxicity: Not Classified

GHS Label elements, including precautionary statements



Signal Word: Danger
GHS08: Severe Health

Hazard Statements:

H350 - May cause cancer by inhalation.

H372 - Causes damage to lungs through prolonged or repeated exposure via inhalation.

Precautionary Statements:

Prevention

P102 - Keep out of reach of children.

P201 - Obtain special instructions before use.

P202 - Do not handle until all safety precautions have been read and understood.

P260 - Do not breathe dust.

P270 - Do not eat, drink or smoke when using this product.

P280 - Wear protective gloves and safety glasses or goggles.

P285 - In case of inadequate ventilation wear respiratory protection.

Response

P308 - If exposed or concerned: Get medical advice.

Disposal

P501 - Dispose of contents/ container to an approved waste disposal plant.

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: Calcined Diatomaceous Earth
Percentage by weight: 50-60
CAS#: 91053-39-3
EINEC#: 293-303-4

Ingredient: Monosodium Phosphate
Percentage by weight: 10-20
CAS#: 7558-80-7
EINEC#: 231-449-2

Ingredient: Sodium Sulfite
Percentage by weight: 1-10
CAS#: 7757-83-7
EINEC#: 231-821-4

Ingredient: Crystalline Silica
Percentage by weight: 1-10
CAS#: 14808-60-79
EINEC#: 238-878-4

Ingredient: Dimethyl Siloxane
Percentage by weight: 1-5
CAS#: 67762-90-7
EINEC#: 614-122-2

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.

OTHER PRECAUTIONS:

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 (H₂O = 1): Solid

Vapor Pressure (mm Hg): 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

Flash Point: None

VOLATILE ORGANIC COMPOUNDS (VOC)

Content (Theoretical Percentage By Weight): 0% or (0 g/L)

NFPA AEROSOL LEVEL:

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 listed carcinogen.

Toxicology Data

Ingredient Name

Amorphous Silica

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

Sodium Phosphate

Oral-Rat, adult LD50: N/D
Inhalation-Rat TC50: 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

Sodium Phosphate

Food Chain Concentration Potential	N/D
WATERFOWL TOXICITY	N/D
BOD	N/D
AQUATIC TOXICITY	N/D

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

Sodium Phosphate

SARA 313	N/A
TSCA Inventory	Yes
CERCLA RQ	N/A
RCRA Code	N/A

Silicon Dioxide

SARA 313	N/A
TSCA Inventory	Yes
CERCLA RQ	N/A
RCRA Code	N/A

WARNING: This product can expose you to chemicals including crystalline silica, which is known to the State of California to cause cancer. For more information go to: www.P65Warnings.ca.gov.

California Proposition 65: Crystalline silica (airborne particles of respirable size) is classified as a substance known to the State of California to be a carcinogen.

California Inhalation Reference Exposure Level (REL): California established a chronic non-cancer effect REL of 3µg for silica (crystalline, respirable). A chronic REL is an airborne level of a substance at or below which no non-cancer health effects are anticipated in individuals indefinitely exposed to the substance at that level.

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