



A CSW Industrials Company

SAFETY DATA SHEET

SURGEX™ Boiler Surge Treatment

SECTION 1 - PRODUCT AND COMPANY INFORMATION

Product name

SurgeX

Product Codes

68752

Chemical Family

Inorganic

Use

Boiler Water Treatment

Manufacturer's Name

RectorSeal LLC

2601 Spenwick Drive

Houston, Texas 77055 USA

HMIS Codes

Health 3

Flammability 1

Reactivity 0

PPI B

Date of validation

May 13, 2020

Date of Preparation

May 13, 2020

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

GHS CLASSIFICATION

PHYSICAL HAZARDS: None

Acute toxicity, Oral(Category 4),

Dermal: Not Classified

Inhalation: Category 4 (Inhalation - dust)

Skin Corrosion/Irritation: Not Classified

Serious Eye Damage/Eye Irritation: Category 1

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: Category 2 (by inhalation)

Aspiration Toxicity: Not Classified

GHS Label elements, including precautionary statements



Signal Word: Danger
GHS05: Corrosive
GHS07: Exclamation Mark
GHS08: Health hazard

Hazard Statements:

EUH01- May form combustible dust concentration in air.
H318 - Causes serious eye damage.
H332 - Harmful if inhaled.
H302 - Harmful if swallowed.
H373 - May cause damage to organs (Respiratory system) through prolonged or repeated exposure (inhalation).

Prevention

P102 - Keep out of reach of children.
P271 - Use only outdoors or in a well-ventilated area.
P280 - Wear eye/face protection.
P261 - Avoid breathing dust.
P260 - Do not breathe dust/gas/mist/vapours.
P270 - Do not eat, drink or smoke when using this product.
P264 - Wash with plenty of water and soap thoroughly after handling.

Response

P310 - Immediately call a POISON CENTER or doctor/physician.
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P301+312 - IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
P330 - Rinse mouth.

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:	Tetrasodium ethylenediaminetetraacetate (EDTA)
Percentage by weight:	60.70
CAS#:	64-02-8
EINEC#:	200-573-9
Ingredient:	Sodium sulfite
Percentage by weight:	10-20
CAS#:	7558-80-7
EINEC#:	231-449-2
Ingredient:	Sodium carbonate
Percentage by weight:	10-20
CAS#:	497-19-8
EINEC#:	207-838-8

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 or poison control 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 excess material to prevent footing hazard. Discard in trash.

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

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: Powder / No distinct odor

Solubility In Water: Soluble

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

N/A

Oral-Rat LD50:

Inhalation-Rat LC50:

SECTION 12 - ECOLOGICAL INFORMATION

Ecological Data

Ingredient Name

N/A

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

N/A	
SARA 313	N/A
TSCA Inventory	All components listed
CERCLA RQ	N/A
RCRA Code	N/A

California Safe Drinking Water and Toxic Enforcement Act of 1988 - Proposition 65 This product contains Silicon Dioxide known to the state of California to cause cancer and/or birth defects or reproductive harm.

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