

Safety Data Sheet

BOILER TREATMENT W/BBLUE INDICATOR

SDS Revision Date:

1/25/2023



1.1. Product identifier

Product Identity

BOILER TREATMENT WITH BLUE INDICATOR

Alternate Names

35-160, Blended Formula, Boiler Treatment with Blue Indicator, Boiler Water Cleaner & pH Neutralizer- 55 gallon

1.2. Relevant identified uses of the substance or mixture and uses advised against

Intended use

It cleans boiler water, corrects pH balance and prevents rust and scale.

Application Method

Read all precautions and instructions carefully before and after use.

1.3. Details of the supplier of the safety data sheet

Company Name

ComStar International Inc.
20-47 128th Street,
College Point, NY 11356

Telephone No.

718-445-7900
800-328-0142
Fax: 718-353-5998

Emergency 24 HR response No: 1-800-424-9300 & 703-527-3887 CHEMTREC

Note: The CHEMTREC phone number is only for emergencies involving spills, leaks, fire, exposure or accident. Please direct all other inquiries to our customer service phone number.

2. Hazard(s) identification

Classification

Classification under 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Label Elements

None required

Hazards not otherwise classified (HNOC)

None identified

3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

| Ingredient/Chemical Designations | Weight % | GHS Classification | Notes |
|----------------------------------|----------|--------------------|-------|
|----------------------------------|----------|--------------------|-------|

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| | | | |
|--|---------|---|--|
| SODA ASH LIGHT CAS#: 497-19-8 | <5% | Eye Irrit. 2A. H319 | |
| SODIUM SILICATE LIQUID CAS#: 1344-09-8 | <40% | Skin Irrit. 2 Eye Irrit. 2 | |
| SODIUM HYDROXIDE (LIQUID) CAS#: 1310-73-2 | <5% | Acute Tox. 4 (Oral) H302 Skin Corr. 1A H314 Eye Dam. 1 H318 | |
| SODIUM GLUCONATE CAS#: 527-07-1 | >10% | Not Classified | |
| Water CAS#: N/A | Balance | Not Classified | |

In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

*The full texts of the phrases are shown in Section 16.

4. First aid measures

4.1. Description of first aid measures

| | |
|-------------------|---|
| Inhalation | Remove to fresh air. If breathing is difficult, give oxygen. Get medical attention immediately if symptoms occur. |
| Eyes | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention. |
| Skin | Wash off immediately with plenty of water for at least 15 minutes. Get medical attention immediately if symptoms occur. |
| Ingestion | Do not induce vomiting. Get medical attention. |

4.2. Most important symptoms and effects, both acute and delayed

| | |
|--------------------------|--------------------------|
| Overview | No information available |
| Note to Physician | Treat symptomatically |

5. Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media

Water spray, carbon dioxide (CO₂), dry chemical, alcohol-resistant foam.

Unsuitable extinguishing media

No information available

Flash Point

No information available

Method -

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No information available

Autoignition Temperature

No information available

Explosion Limits

Upper

No information available

Lower

No information available

Sensitivity to Mechanical Impact

No information available

Sensitivity to Static Discharge

No information available

Specific Hazards Arising from the Chemical

Keep product and empty container away from heat and sources of ignition

Hazardous Combustion Products

Carbon monoxide (CO). Carbon dioxide (CO₂).

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

NFPA

| Health | Flammability | Instability | Physical hazards |
|--------|--------------|-------------|------------------|
| 1 | 1 | 0 | N/A |

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Use personal protective equipment as required. Avoid dust formation.

6.2. Environmental precautions

Should not be released into the environment. See Section 12 for additional Ecological Information.

6.3. Methods and material for containment and cleaning up

Sweep up and shovel into suitable containers for disposal. Avoid dust formation.

6.4. Reference to other sections

No additional information available

7. Handling and storage

7.1. Precautions for safe handling

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Wear personal protective equipment/face protection. Ensure adequate ventilation. Avoid contact with skin, eyes or clothing. Avoid ingestion and inhalation. Avoid dust formation.

7.2. Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a dry, cool and well-ventilated place.
Incompatible Materials. Strong oxidizing agents.

7.3. Specific end use(s)

No additional information available

8. Exposure controls and personal protection

8.1. Control parameters

Exposure Guidelines

This product does not contain any hazardous materials with occupational exposure limits established by the region-specific regulatory bodies.

Engineering Measures

None under normal use conditions.

Personal Protective Equipment

Eye/face Protection

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin and body protection

Wear appropriate protective gloves and clothing to prevent skin exposure.

Respiratory Protection

No protective equipment is needed under normal use conditions.

Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice

9. Physical and chemical properties

| | |
|--|--------------------------|
| Appearance | Blue Liquid |
| Odor | odorless |
| Odor threshold | No information available |
| pH | 13 |
| Melting point / freezing point | Not applicable |
| Initial boiling point and boiling range | Not data available |
| Flash Point | Not applicable |
| Evaporation rate (Ether = 1) | Not data available |

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| | |
|--|------------------------------|
| Flammability (solid, gas) | Not data available |
| Upper/lower flammability or explosive limits | Not data available |
| Vapor pressure (Pa) | Not data available |
| Vapor Density | Not data available |
| Specific Gravity | 1.1 |
| Bulk Density | 600-1000 kg/m ³ |
| Solubility in Water | Completely miscible in water |
| Partition coefficient n-octanol/water (Log Kow) | Not data available |
| Auto-ignition temperature | No data available |
| Decomposition temperature | No data available |
| Viscosity (cSt) | No data available |
| Molecular Formula | Not applicable |
| Molecular Weight | 218.14 |
| Explosive properties | No data available |
| Oxidizing properties | No data available |
| 9.2. Other information | |
| No data available | |

10. Stability and reactivity

10.1. Reactivity

None known, based on information available.

10.2. Chemical stability

Stable under normal circumstances.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

Incompatible products. Excess heat. Avoid dust formation. Exposure to moisture.

10.5. Incompatible materials

Strong oxidizing agents

10.6. Hazardous decomposition products

Carbon monoxide (CO), Carbon dioxide (CO₂)

10.7 Hazardous Polymerization

Hazardous polymerization does not occur

11. Toxicological information

Acute toxicity

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No acute toxicity information is available for this product

Component Information

Toxicologically Synergistic Products No information available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Irritation No information available

Sensitization No information available

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.

| Component | CAS No | IARC | NTP | ACGIH | OSHA | Mexico |
|------------------|----------|------------|------------|------------|------------|------------|
| Sodium gluconate | 527-07-1 | Not listed | Not listed | Not listed | Not listed | Not listed |

Mutagenic Effects No information available

Reproductive Effects No information available.

Developmental Effects No information available.

Teratogenicity No information available.

STOT - single exposure None known

STOT - repeated exposure None known

Aspiration hazard No information available

Symptoms / effects, both acute and delayed No information available

Endocrine Disruptor Information No information available

Other Adverse Effects The toxicological properties have not been fully investigated. See actual entry in RTECS for complete information.

12. Ecological information

Ecotoxicity

Do not empty into drains.

Persistence and Degradability

Soluble in water Persistence is unlikely based on information available.

Bioaccumulation/ Accumulation

No information available.

Mobility

Will likely be mobile in the environment due to its water solubility.

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| Component | log Pow |
|------------------|---------|
| Sodium gluconate | -5.99 |

13. Disposal considerations

13.1. Waste treatment methods

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

14. Transport information

| | DOT (Domestic Surface Transportation) | IMO / IMDG (Ocean Transportation) | ICAO/IATA |
|----------------------------------|---------------------------------------|-----------------------------------|---------------|
| 14.1. UN number | Not regulated | Not regulated | Not regulated |
| 14.2. UN proper shipping name | Not regulated | Not regulated | Not regulated |
| 14.3. Transport hazard class(es) | Not regulated | Not regulated | Not regulated |
| 14.4. Packing group | Not regulated | Not regulated | Not regulated |

14.5. Environmental hazards

IMDG Marine Pollutant: No

14.6. Special precautions for user

No further information

15. Regulatory information

United States of America Inventory

| Component | CAS No | TSCA | TSCA Inventory notification - Active-Inactive | TSCA - EPA Regulatory Flags |
|------------------|----------|------|---|-----------------------------|
| Sodium gluconate | 527-07-1 | X | ACTIVE | -- |

Legend:

TSCA US EPA (TSCA) - Toxic Substances Control Act, (40 CFR Part 710)

X - Listed

'-' - Not Listed

TSCA 12(b) - Notices of Export Not applicable

International Inventories

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Canada (DSL/NDSL), Europe (EINECS/ELINCS/NLP), Philippines (PICCS), Japan (ENCS), Japan (ISHL), Australia (AICS), China (IECSC), Korea (KECL).

| Component | CAS No | DSL | NDSL | EINECS | PICCS | ENCS | ISHL | AICS | IECSC | KECL |
|------------------|----------|-----|------|-----------|-------|------|------|------|-------|----------|
| Sodium gluconate | 527-07-1 | X | -- | 208-407-7 | X | X | X | X | X | KE-17676 |

KECL - NIER number or KE number (<http://ncis.nier.go.kr/en/main.do>)

U.S. Federal Regulations

SARA 313 Not applicable

SARA 311/312 Hazard Categories See section 2 for more information

CWA (Clean Water Act) Not applicable

Clean Air Act Not applicable

OSHA - Occupational Safety and Health Administration Not applicable

CERCLA Not applicable

California Proposition 65 This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations Not applicable

U.S. Department of Transportation

Reportable Quantity (RQ): N

DOT Marine Pollutant N

DOT Severe Marine Pollutant N

U.S. Department of Homeland Security This product does not contain any DHS chemicals.

Other International Regulations

Mexico - Grade No information available

Authorization/Restrictions according to EU REACH

Safety, health and environmental regulations/legislation specific for the substance or mixture.

| Component | CAS No | OECD HPV | Persistent Organic Pollutant | Ozone Depletion Potential | Restriction of Hazardous Substances (RoHS) |
|------------------|----------|----------|------------------------------|---------------------------|--|
| Sodium gluconate | 527-07-1 | Listed | Not applicable | Not applicable | Not applicable |

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| Component | CAS No | Seveso III Directive (2012/18/EC) - Qualifying Quantities for Major Accident Notification | Seveso III Directive (2012/18/EC) - Qualifying Quantities for Safety Report Requirements | Rotterdam Convention (PIC) | Basel Convention (Hazardous Waste) |
|------------------|----------|---|--|----------------------------|------------------------------------|
| Sodium gluconate | 527-07-1 | Not applicable | Not applicable | Not applicable | Not applicable |

16. Other information

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The opinions expressed are those of qualified experts within ComStar International Inc. We believe that the information contained is current as of the date of the Material Safety Data Sheet. Since the use of this information and of these opinions and the conditions of the use of the product are not within the control of ComStar International Inc., it is the user's obligation to determine the conditions of safe use of the product.

End of Document