



Safety Data Sheet

1. Identification

Product Identifier

Boiler Heating and System Cleaner

Other means of Identification

Product Code

7310E

Synonyms

35206, 35211, 35216, 35220, 35255

Recommended Use

Treatment of hydronic heating systems.

Manufacturer Information

HHC Holdings Inc.

Phone: 216-267-7100

An Oatey Affiliate

4700 West 160th Street

Cleveland, OH 44135

For Emergency First Aid call 1-877-740-5015. For chemical transportation emergencies ONLY, call Chemtrec at 1-800-424-9300. Outside the U.S. 1- 703-527-3887.

2. Hazards Identification

GHS Classification:

Not classified according to GHS.

GHS LABEL ELEMENTS

Symbol(s)

None

Signal Word

None

Hazard Statements

None

Precautionary Statements

None

3. Composition / Information on Ingredients

CAS #	Component	Percent
7732-18-5	Water	95-99
10101-89-0	Tribasic sodium phosphate dodecahydrate	<1
9016-45-9	Nonylphenol ethoxylates	<1
9036-19-5	Octylphenol ethoxylate	<1

4. First Aid Measures

First Aid: Eyes

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, consult a specialist.

First Aid: Skin

Wash off with warm water and soap. If skin irritation persists, call a physician.

First Aid: Ingestion

Clean mouth with water and afterwards drink plenty of water.

First Aid: Inhalation

Move to fresh air.

5. Fire Fighting Measures

General Fire Hazards

See Section 9 for Flammability Properties.

Not flammable.

Hazardous Combustion Products

Thermal decomposition can lead to release of irritating gases and vapors.

Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media

None

Fire Fighting Equipment/Instructions

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

6. Accidental Release Measures

Recovery and Neutralization

Prevent further leakage or spillage if safe to do so.

Materials and Methods for Clean-Up

Cover liquid spill with sand, earth or other noncombustible absorbent material. Take up mechanically and collect in suitable container for disposal. After cleaning, flush away traces with water.

Emergency Measures

Isolate area. Keep unnecessary personnel away.

Personal Precautions and Protective Equipment

Use personal protective equipment. Avoid contact with skin, eyes and clothing.

Environmental Precautions

None.

Prevention of Secondary Hazards

None.

7. Handling and Storage

Handling Procedures

Handle in accordance with good industrial hygiene and safety practice.

Storage Procedures

Keep containers tightly closed in a dry, cool and well-ventilated place.

Incompatibilities

Incompatible with oxidizing agents. Acids. Incompatible with strong acids and bases.

8. Exposure Controls / Personal Protection

Component Exposure Limits

ACGIH, OSHA, and NIOSH have not developed exposure limits for any of this product's components.

Engineering Measures

Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.

Personal Protective Equipment: Respiratory

If airborne concentrations are above the applicable exposure limits, use NIOSH approved respiratory protection.

Personal Protective Equipment: Hands

No special protective equipment required.

Personal Protective Equipment: Eyes

Safety glasses with side-shields.

Personal Protective Equipment: Skin and Body

No special protective equipment required.

9. Physical & Chemical Properties

Appearance:	Yellow	Odor:	Slight
Physical State:	Liquid	pH:	11.4
Vapor Pressure:	ND	Vapor Density:	ND
Boiling Point:	100°C / 212°F	Melting Point:	ND
Solubility (H2O):	Soluble	Specific Gravity:	1.12
Evaporation Rate:	ND	VOC:	0.12%
Octanol/H2O Coeff.:	ND	Flash Point:	NA
Flash Point Method:	NA	Upper Flammability Limit (UFL):	NA
Lower Flammability Limit (LFL):	NA	Burning Rate:	NA
Auto Ignition:	NA		

10. Chemical Stability & Reactivity Information

Chemical Stability

This is a stable material.

Hazardous Reaction Potential

Will not occur.

Conditions to Avoid

Exposure to air or moisture over prolonged periods.

Incompatible Products

Incompatible with oxidizing agents. Acids. Incompatible with strong acids and bases.

Hazardous Decomposition Products

Thermal decomposition can lead to release of irritating gases and vapors.

11. Toxicological Information

Acute Toxicity

Component Analysis - LD50/LC50

Water (7732-18-5)

Oral LD50 Rat >90 mL/kg

Tribasic sodium phosphate dodecahydrate (10101-89-0)

Oral LD50 Rat 7400 mg/kg

Nonylphenol ethoxylates (9016-45-9)

Oral LD50 Rat 1310 mg/kg; Dermal LD50 Rabbit 2 mL/kg

Octylphenol ethoxylate (9036-19-5)

Oral LD50 Rat 4190 mg/kg

Potential Health Effects: Skin Corrosion Property/Stimulativeness

Substance may cause slight skin irritation.

Potential Health Effects: Eye Critical Damage/ Stimulativeness

Contact with eyes may cause irritation.

Potential Health Effects: Ingestion

No known effect.

Potential Health Effects: Inhalation

No known effect.

Respiratory Organs Sensitization/Skin Sensitization

None expected.

Generative Cell Mutagenicity

This product is not reported to have any mutagenic effects.

Carcinogenicity

A: General Product Information

This product is not reported to have any carcinogenic effects.

B: Component Carcinogenicity

None of this product's components are listed by ACGIH, IARC, OSHA, NIOSH, or NTP.

Reproductive Toxicity

This product is not reported to have any reproductive toxicity effects.

Specified Target Organ General Toxicity: Single Exposure

This product is not reported to have any specific target organ toxicity single exposure effects.

Specified Target Organ General Toxicity: Repeated Exposure

This product is not reported to have any specific target organ toxicity repeat exposure effects.

Aspiration Respiratory Organs Hazard

Not an aspiration hazard.

12. Ecological Information

Ecotoxicity

A: General Product Information

This product is not expected to be toxic to aquatic organisms.

B: Component Analysis - Ecotoxicity - Aquatic Toxicity

No ecotoxicity data are available for this product's components.

Persistence/Degradability

No information available for the product.

Bioaccumulation

No information available for the product.

Mobility in Soil

No information available for the product.

13. - Disposal Considerations

Waste Disposal Instructions

See Section 7 for Handling Procedures. See Section 8 for Personal Protective Equipment recommendations.

Disposal of Contaminated Containers or Packaging

Dispose of contents/container in accordance with local/regional/national/international regulations.

14. Transportation Information

DOT Information

Shipping Name: Not Regulated

IMDG Information

Shipping Name: Not Regulated

15. Regulatory Information

Regulatory Information

US Federal Regulations

Component Analysis

This material contains one or more of the following chemicals required to be identified under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65) and/or CERCLA (40 CFR 302.4).

Tribasic sodium phosphate dodecahydrate (10101-89-0)

CERCLA: 5000 lb final RQ (listed under Sodium phosphate, tribasic); 2270 kg final RQ (listed under Sodium phosphate, tribasic)

State Regulations

Component Analysis - State

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	CA	MA	MN	NJ	PA	RI
Tribasic sodium phosphate dodecahydrate	10101-89-0	Yes	Yes	No	No	Yes	No

Component Analysis - WHMIS IDL

No components are listed in the WHMIS IDL.

Additional Regulatory Information

Component Analysis - Inventory

Component	CAS #	TSCA	CAN	EEC
Water	7732-18-5	Yes	DSL	EINECS
Tribasic sodium phosphate dodecahydrate	10101-89-0	No	No	No
Nonylphenol ethoxylates	9016-45-9	Yes	DSL	No
Octylphenol ethoxylate	9036-19-5	Yes	DSL	No

16. Other Information

Key/Legend

EPA = Environmental Protection Agency; TSCA = Toxic Substance Control Act; ACGIH = American Conference of Governmental Industrial Hygienists; IARC = International Agency for Research on Cancer; NIOSH = National Institute for Occupational Safety and Health; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration., NJTSR = New Jersey Trade Secret Registry.

Literature References

None

Other Information

NFPA and HMIS:

NFPA Hazard Signal: Health: 0 Flammability: 0 Reactivity: 0

HMIS Hazard Signal: Health: 0 Flammability: 0 Reactivity: 0

Disclaimer:

The information herein has been compiled from sources believed to be reliable, up-to-date, and is accurate to the best of our knowledge. However, we cannot give any guarantees regarding information from other sources, and expressly do not make warranties, nor assume any liability for its use.

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