Version: 1.0 Effective Date: Nov-21-2014



# SAFETY DATA SHEET

# STEAMATE\* PAS4000

### 1. Identification

Product identifier STEAMATE PAS4000

Other means of identification Not available.

**Recommended use** Water based internal boiler treatment chemical.

**Recommended restrictions** None known.

#### Company/undertaking identification

GE Betz, Inc. 4636 Somerton Road Trevose, PA 19053 T 215 355 3300, F 215 953 5524

#### **Emergency telephone**

(800) 877 1940

#### 2. Hazard(s) identification

Physical hazards	Flammable liquids	Category 3	

Not classified.

Corrosive to metals

Acute toxicity, oral

Skin corrosion/irritation

Category 1

Category 1

Category 1

Category 1

Serious eye damage/eye irritation Category 1
Sensitization, skin Category 1
Reproductive toxicity Category 2

Specific target organ toxicity, single exposure Category 3 respiratory tract irritation

### OSHA defined hazards

Label elements

Health hazards



Signal word Danger

**Hazard statement** Flammable liquid and vapor. May be corrosive to metals. Harmful if swallowed. Causes severe skin burns and eye damage. May cause an allergic skin reaction. Causes serious eye damage. May cause

respiratory irritation. Suspected of damaging fertility or the unborn child.

Precautionary statement Prevention

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Keep only in original container. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting// equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection.

If swallowed: Rinse mouth, Do NOT induce vomiting, If on skin (or hair): Take off immediately all Response

contaminated clothing. Rinse skin with water/shower. If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor/. Specific treatment (see on this label). If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse. In case of fire: Use to extinguish. Absorb spillage to prevent

material damage.

Storage Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep

cool. Store locked up. Store in corrosive resistant/ container with a resistant inner liner.

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

Dispose of contents/container to approved local facility.

Hazard(s) not otherwise classified

(HNOC)

None known.

Supplemental information

None.

### 3. Composition/information on ingredients

#### **Mixtures**

Chemical name	Common name and synonyms	CAS number	%
ALKYLENE AMINE*		TSRN 125438 - 5225P*	10 - 20
Methoxypropylamine, 3-		5332-73-0	10 - 20
Cyclohexylamine		108-91-8	2.5 - 10

<sup>\*</sup>Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

Composition comments

Information for specific product ingredients as required by the U.S. OSHA HAZARD COMMUNICATION STANDARD is listed. Refer to additional sections of this SDS for our assessment of the potential hazards of this formulation.

### 4. First-aid measures

**Inhalation** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON

CENTER or doctor/physician if you feel unwell.

Remove contaminated clothing immediately and wash skin with soap and water. Call a physician or Skin contact

poison control center immediately. Chemical burns must be treated by a physician. Wash contaminated

clothing before reuse.

Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present Eye contact

and easy to do. Continue rinsing. Call a physician or poison control center immediately.

Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting Ingestion

occurs, keep head low so that stomach content doesn't get into the lungs.

Most important symptoms/effects, acute and

delayed

Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. May cause respiratory irritation.

Indication of immediate medical attention and special treatment needed

Provide general supportive measures and treat symptomatically. Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Chemical burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. In case of shortness of breath, give oxygen. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

**General information** Take off all contaminated clothing immediately. IF exposed or concerned: Get medical advice/attention. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect

themselves. Wash contaminated clothing before reuse.

### 5. Fire-fighting measures

Suitable extinguishing media

Alcohol resistant foam. Water fog. Dry chemical powder. Carbon dioxide (CO2).

Unsuitable extinguishing media Specific hazards arising from the Do not use water jet as an extinguisher, as this will spread the fire.

chemical

Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back.

Special protective equipment and precautions for firefighters

Fire-fiahtina equipment/instructions In case of fire and/or explosion do not breathe fumes.

Specific methods

Use standard firefighting procedures and consider the hazards of other involved materials.

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Material name: STEAMATE\* PAS4000

#### 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Take precautionary measures against static discharge. Use only non-sparking tools. Keep combustibles (wood, paper, oil, etc.) away from spilled material.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb spillage to prevent material damage. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Use water spray to reduce vapors or divert vapor cloud drift. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. Avoid discharge into drains, water courses or onto the ground.

# **Environmental precautions**

7. Handling and storage Precautions for safe handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Vapors may form explosive mixtures with air. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Do not get this material in contact with eyes. Do not get this material in contact with skin. Do not taste or swallow. Avoid contact during pregnancy/while nursing. Avoid prolonged exposure. Do not get this material on clothing. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. When using, do not eat, drink or smoke. Wash hands thoroughly after handling.

Conditions for safe storage, including any incompatibilities

Store locked up. Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in corrosive resistant container with a resistant inner liner. Store in original tightly closed container. Keep only in the original container. Store in a cool, dry place out of direct sunlight. Store in a well-ventilated place. Refrigeration recommended. Store away from incompatible materials (see Section 10 of the SDS). Keep in an area equipped with sprinklers. Store in accordance with local/regional/national/international regulation.

Value

#### 8. Exposure controls/personal protection

Occupational exposure limits

Components

#### **US. ACGIH Threshold Limit Values**

Components	турс	Value	
Cyclohexylamine (CAS 108-91-8)	TWA	10 ppm	
US. NIOSH: Pocket Guide to Chemical	Hazards		
Components	Туре	Value	
Cyclohexylamine (CAS 108-91-8)	TWA	40 mg/m3	
		10 ppm	
US. Workplace Environmental Exposu	ure Level (WEEL) Guides		
Components	Туре	Value	
Methoxypropylamine, 3- (CAS 5332-73-0)	STEL	15 ppm	
	TWA	5 ppm	

**Biological limit values**No biological exposure limits noted for the ingredient(s).

Type

Material name: STEAMATE\* PAS4000

Appropriate engineering controls

Explosion-proof general and local exhaust ventilation. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.

### Individual protection measures, such as personal protective equipment

**Eye/face protection** Splash proof chemical goggles.

Skin protection

Hand protection Chemical resistant gloves. The choice of an appropriate glove does not only depend on its material but

also on other quality features and is different from one producer to the other. Glove selection must take

into account any solvents and other hazards present.

Other Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

**Respiratory protection** Chemical respirator with organic vapor cartridge and full facepiece. A RESPIRATORY PROTECTION

PROGRAM THAT MEETS OSHA'S 29 CFR 1910.134 AND ANSI Z88.2 REQUIREMENTS MUST BE FOLLOWED

WHENEVER WORKPLACE CONDITIONS WARRANT A RESPIRATOR'S USE.

**Thermal hazards** Wear appropriate thermal protective clothing, when necessary.

**General hygiene considerations** When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as

washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be

allowed out of the workplace.

### 9. Physical and chemical properties

**Appearance** 

**Color** Colorless to yellow

Physical state Liquid

Odor Strong amine
Odor threshold Not available.

pH (concentrated product) 12.4

pH in aqueous solution 11.5 (5% SOL.)

Melting point/freezing point -12 °F (-24 °C)

Initial boiling point and boiling > 212 °F (> 100 °C)

range

Flash point 140 °F (60 °C) P-M(CC)

Evaporation rate < 1 (Ether = 1)
Flammability (solid, gas) Not available.

Upper/lower flammability or explosive limits

Flammability limit - lower (%) Not available.
Flammability limit - upper Not available.

(%)

Explosive limit - lower (%) Not available.

Explosive limit - upper (%) Not available.

Vapor pressure18 mm HgVapor pressure temp.70 °F (21 °C)Vapor density> 1 (Air = 1)Relative density0.98

Relative density temperature 70 °F (21 °C)

Solubility(ies)

Solubility (water) 100 %

**Partition coefficient** Not available.

(n-octanol/water)

Auto-ignition temperature Not available.

Decomposition temperature Not available.

Viscosity 16 cps

Material name: STEAMATE\* PAS4000

70 °F (21 °C) Viscosity temperature

Other information

40 (Calculated) Percent volatile -7 °F (-22 °C) Pour point

Specific gravity 0.98

10. Stability and reactivity

Reactivity The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability Material is stable under normal conditions.

Hazardous polymerization does not occur. Friction, heat or other sources of ignition may cause a Possibility of hazardous reactions

reaction releasing heat and toxic fumes. Contact with oxidizers may cause fire.

Conditions to avoid Contact with incompatible materials. Avoid contact with strong acids. Incompatible materials

Hazardous decomposition

products

Elemental Oxides

## 11. Toxicological information

Information on likely routes of exposure

Ingestion Causes digestive tract burns. Harmful if swallowed.

Inhalation Prolonged inhalation may be harmful. May cause irritation to the respiratory system.

Causes severe skin burns. May cause an allergic skin reaction. Skin contact

Eve contact Causes serious eye damage.

Symptoms related to the physical,

chemical and toxicological

characteristics

Burning pain and severe corrosive skin damage. Causes serious eye damage. May cause respiratory irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye

damage including blindness could result.

Information on toxicological effects

Acute toxicity Harmful if swallowed. May cause an allergic skin reaction. May cause respiratory irritation.

Product	Species	Test Results	
STEAMATE PAS4000 (CAS Mixture)			
Acute			
Dermal			
LD50	Rabbit	2220 mg/kg, (Estimated value)	
Oral			
LD50	Rat	895 mg/kg, (Estimated value)	
Components	Species	Test Results	

ALKYLENE AMINE (CAS TSRN 125438 - 5225P)

Acute

Inhalation

LC50 Rat > 4.3 mg/l, 4 Hour

Oral

LD50 Rat 410 mg/kg

Cyclohexylamine (CAS 108-91-8)

Acute

Dermal

Rabbit 277 mg/kg LD50

Oral

LD50 Rat 156 mg/kg

Methoxypropylamine, 3- (CAS 5332-73-0)

Acute

Dermal

Rabbit LD50 > 2000 mg/kg

Material name: STEAMATE\* PAS4000

 Components
 Species
 Test Results

 Oral
 LD50
 Rat
 690 mg/kg

\* Estimates for product may be based on additional component data not shown. **Skin corrosion/irritation**Causes severe skin burns and eye damage.

Serious eye damage/eye irritation Causes serious eye damage.

Respiratory or skin sensitization

**Respiratory sensitization** Not available.

**Skin sensitization** May cause an allergic skin reaction.

**Germ cell mutagenicity**No data available to indicate product or any components present at greater than 0.1% are mutagenic or

genotoxic.

Carcinogenicity This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

**ACGIH Carcinogens** 

Cyclohexylamine (CAS 108-91-8)

A4 Not classifiable as a human carcinogen.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

**Reproductive toxicity** Suspected of damaging fertility or the unborn child.

Specific target organ toxicity -

single exposure

May cause respiratory irritation.

Specific target organ toxicity -

repeated exposure

Not classified.

**Aspiration hazard** Based on available data, the classification criteria are not met. May be harmful if swallowed and enters

airways.

**Chronic effects** Prolonged inhalation may be harmful.

### 12. Ecological information

**Ecotoxicity**The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Product		Species	Test Results
STEAMATE PAS4000 (C.	AS Mixture)		
	LC50	Fathead Minnow	470 mg/L, Acute Toxicity, 96 hour, (Estimated)
	NOEL	Fathead Minnow	230 mg/L, Acute Toxicity, 96 hour, (Estimated)
Crustacea	LC50	Daphnia magna	285 mg/L, Static Renewal Bioassay, 48 hour, (pH adjusted)
	NOEL	Daphnia magna	60 mg/L, Static Renewal Bioassay, 48 hour, (pH adjusted)

<sup>\*</sup> Estimates for product may be based on additional component data not shown.

Bioaccumulative potential No data available.

Partition coefficient n-octanol / water (log Kow)

Cyclohexylamine 1.5

Mobility in soil No data available.

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential,

endocrine disruption, global warming potential) are expected from this component.

**Environmental fate** The product is not classified as environmentally hazardous. However, this does not exclude the

possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Persistence and degradability

No data is available on the degradability of this product.

COD (mgO2/g)
BOD 5 (mgO2/g)
BOD 28 (mgO2/g)
4 (calculated data)
41 (calculated data)

Material name: STEAMATE\* PAS4000 Page: 6 / 10

- Closed Bottle Test (% 13 (calculated data) Degradation in 28 days)

- Zahn-Wellens Test (%

23 (calculated data) Degradation in 28 days)

- TOC (ma C/a) 232 (calculated data)

13. Disposal considerations

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Incinerate the **Disposal instructions** 

material under controlled conditions in an approved incinerator. Dispose of contents/container in

accordance with local/regional/national/international regulations.

Local disposal regulations Dispose in accordance with all applicable regulations.

D002: Waste Corrosive material [pH <=2 or =>12.5, or corrosive to steel] Hazardous waste code

The waste code should be assigned in discussion between the user, the producer and the waste disposal

company.

Waste from residues / unused

products

Dispose of in accordance with local regulations. Empty containers or liners may retain some product

residues. This material and its container must be disposed of in a safe manner (see: Disposal

instructions).

Empty containers should be taken to an approved waste handling site for recycling or disposal. Since Contaminated packaging

emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport information

DOT

UN2734 **UN number** 

AMINES, LIQUID, CORROSIVE, FLAMMABLE, N.O.S. (Cyclohexylamine RQ = 1114 LBS, UN proper shipping name

METHOXYPROPYLAMINE)

Transport hazard class(es)

8 Class 3 Subsidiary risk П Packing group

Read safety instructions, SDS and emergency procedures before handling. Special precautions for user

ERG number

Some containers may be DOT exempt, please check BOL for exact container classification.

IATA

**UN number** UN2734

AMINES, LIQUID, CORROSIVE, FLAMMABLE, N.O.S. (Cyclohexylamine, METHOXYPROPYLAMINE) UN proper shipping name

Transport hazard class(es)

8 Class 3 Subsidiary risk Ш Packing group **Environmental hazards** No. **ERG Code** 132

Special precautions for user

**IMDG** 

**UN** number UN2734

UN proper shipping name Transport hazard class(es) AMINES, LIQUID, CORROSIVE, FLAMMABLE, N.O.S. (Cyclohexylamine, METHOXYPROPYLAMINE)

Page: 7 / 10

Read safety instructions, SDS and emergency procedures before handling.

8 Class Subsidiary risk 3 Ш Packing group

**Environmental hazards** 

Marine pollutant No.

Not available. **EmS** 

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

Material name: STEAMATE\* PAS4000



IATA; IMDG



# 15. Regulatory information

US federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29

CFR 1910.1200.

All components are on the U.S. EPA TSCA Inventory List.

### TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

#### **CERCLA Hazardous Substance List (40 CFR 302.4)**

Cyclohexylamine (CAS 108-91-8) Listed. Methoxypropylamine, 3- (CAS 5332-73-0) Listed.

### SARA 304 Emergency release notification

Cyclohexylamine (CAS 108-91-8) 10000 LBS

### OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

### Superfund Amendments and Reauthorization Act of 1986 (SARA)

**Hazard categories** Immediate Hazard - Yes

Delayed Hazard - Yes Fire Hazard - Yes Pressure Hazard - No Reactivity Hazard - No

#### SARA 302 Extremely hazardous substance

Chemical name	CAS number	Reportable quantity	Threshold planning quantity	Threshold planning quantity, lower value	Threshold planning quantity, upper value
Cyclohexylamine	108-91-8	10000	10000 lbs		
Aniline	62-53-3	5000	1000 lbs		
Formaldehyde	50-00-0	100	500 lbs		
Propylene oxide	75-56-9	100	10000 lbs		
SARA 311/312 Hazardous chemical	No				

### SARA 313 (TRI reporting)

Chemical name	CAS number	% by wt.
Formaldehyde	50-00-0	0 - 0.1
Propylene oxide	75-56-9	0 - 0.1

### Other federal regulations

# Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

### Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Cyclohexylamine (CAS 108-91-8)

Material name: STEAMATE\* PAS4000 Page: 8 / 10

Safe Drinking Water Act

(SDWA)

Not regulated.

#### Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

<sup>\*</sup>A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s)

Food and drug administration

All ingredients in this product are authorized in 21 CFR176.170 for use in boilers where the steam will be

used for manufacturing paper or paperboard.

**US state regulations** WARNING: This product contains a chemical known to the State of California to cause cancer.

#### US - Massachusetts RTK - Substance List

ALKYLENE AMINE (CAS TSRN 125438 - 5225P)

Cyclohexylamine (CAS 108-91-8) Methoxypropylamine, 3- (CAS 5332-73-0)

#### US - Pennsylvania RTK - Hazardous Substances

ALKYLENE AMINE (CAS TSRN 125438 - 5225P)

Cyclohexylamine (CAS 108-91-8)

Methoxypropylamine, 3- (CAS 5332-73-0)

#### US - Rhode Island RTK

Cyclohexylamine (CAS 108-91-8)

### US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)

Not listed.

# US. New Jersey Worker and Community Right-to-Know Act

Cyclohexylamine (CAS 108-91-8) 500 LBS

#### US. California Proposition 65

WARNING: This product contains a chemical known to the State of California to cause cancer.

#### US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

Aniline (CAS 62-53-3)

Formaldehyde (CAS 50-00-0)

Propylene oxide (CAS 75-56-9)

Listed: January 1, 1988

Listed: October 1, 1988

#### US - California Proposition 65 - CRT: Listed date/Developmental toxin

No ingredient listed.

#### US - California Proposition 65 - CRT: Listed date/Female reproductive toxin

No ingredient listed.

#### US - California Proposition 65 - CRT: Listed date/Male reproductive toxin

No ingredient listed.

### 16. Other information, including date of preparation or last revision

Issue dateNov-21-2014Revision dateNov-21-2014

Version # 1.0

**List of abbreviations** CAS: Chemical Abstract Service Registration Number

TSRN indicates a Trade Secret Registry Number is used in place of the CAS number.

ACGIH: American Conference of Governmental Industrial Hygienists

NOEL: No Observed Effect Level STEL: Short Term Exposure Limit LC50: Lethal Concentration, 50% TWA: Time Weighted Average BOD: Biochemical Oxygen Demand COD: Chemical Oxygen Demand TOC: Total Organic Carbon

IATA: International Air Transport Association

IMDG: International Maritime Dangerous Goods Code

TLV: Threshold Limit Value LD50: Lethal Dose, 50%

NFPA: National Fire Protection Association

**References:** No data available

Material name: STEAMATE\* PAS4000 Page: 9 / 10

**Disclaimer** The information provided in this Safety Data Sheet is correct to the best of our knowledge, information

and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. The information in the sheet was written based on the best knowledge and

experience currently available.

**Revision Information** Toxicological Information: Toxicological Data

Transport Information: Experimental Data

**GHS: Classification** 

Prepared by This SDS has been prepared by GE Water & Process Technologies Regulatory Department

(1-215-355-3300).

Material name: STEAMATE\* PAS4000 Version number: 1.0

<sup>\*</sup> Trademark of General Electric Company. May be registered in one or more countries.