Version: 2.0

Effective Date: Jun-09-2015 Previous Date: Nov-05-2014



SAFETY DATA SHEET STEAMATE* NA9680

1. Identification

Product identifier STEAMATE NA9680

Other means of identification None.

Recommended use Condensate return line treatment

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 |
|------------------|-----------------------------------|-------------|
| Health hazards | Acute toxicity, oral | Category 4 |
| | Acute toxicity, dermal | Category 3 |
| | Acute toxicity, inhalation | Category 4 |
| | Skin corrosion/irritation | Category 1B |
| | Serious eye damage/eye irritation | Category 1 |

Reproductive toxicity

Not classified.

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

Category 2

OSHA defined hazards

Label elements



Signal word Danger

Hazard statement Flammable liquid and vapor. Harmful if swallowed. Toxic in contact with skin. Causes severe skin burns and eye damage. Causes serious eye damage. Harmful if inhaled. 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. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting// equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe mist or vapor. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection.

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

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). Take off immediately all contaminated clothing and wash it before reuse.

In case of fire: Use to extinguish.

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

cool. Store locked up.

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

Hazard(s) not otherwise classified

(HNOC)

None known.

Supplemental information

20% of the mixture consists of component(s) of unknown acute dermal toxicity.

3. Composition/information on ingredients

Mixtures

| Components | CAS# | Percent |
|-----------------------|----------|---------|
| Cyclohexylamine | 108-91-8 | 20 - 40 |
| Morpholine | 110-91-8 | 20 - 40 |
| 2-Diethylaminoethanol | 100-37-8 | 10 - 20 |

^{*}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. Oxygen or artificial

respiration if needed. Call a POISON CENTER or doctor/physician if you feel unwell.

Skin contactTake off immediately all contaminated clothing. Rinse skin with water/shower. Call a physician or poison

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

clothing before reuse.

Eye contact URGENT! Immediately flush eyes with plenty of low-pressure water for at least 20 minutes while

removing contact lenses. Hold eyelids apart. Get immediate medical attention.

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

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. Coughing. Diarrhea. Dizziness. Irritation of nose and throat. Nausea, vomiting. 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 immediately all contaminated clothing. 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. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before reuse.

5. Fire-fighting measures

Suitable extinguishing media
Unsuitable extinguishing media

Specific hazards arising from the

Special protective equipment and precautions for firefighters

Fire fighting equipment/instructions Specific methods Alcohol resistant foam. Water fog. Dry chemical powder. Carbon dioxide (CO2).

Do not use water jet as an extinguisher, as this will spread the fire.

Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. During fire, gases hazardous to health may be formed.

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

In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.

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

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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 breathe mist or vapor. 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. 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

Flammable. corrosive to the eyes corrosive to skin 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 breathe mist or vapor. 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. Use only outdoors or in a well-ventilated area. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. When using, do not eat, drink or smoke. Wash hands thoroughly after handling. Wash contaminated clothing before reuse.

Conditions for safe storage, including any incompatibilities

Earth containers during filling or discharge when performed at temperatures at or above product flash point. 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 original tightly closed container. Store in a cool, dry place out of direct sunlight. Store in a well-ventilated place. 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.

Malua

8. Exposure controls/personal protection

Occupational exposure limits

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

| Components | туре | value | |
|---|--------------------|-----------------------|--|
| 2-Diethylaminoethanol (CAS 100-37-8) | PEL | 50 mg/m3 | |
| | | 10 ppm | |
| Morpholine (CAS 110-91-8) | PEL | 70 mg/m3 | |
| | | 20 ppm | |
| US. ACGIH Threshold Limit Values | | | |
| | | | |
| Components | Туре | Value | |
| Components 2-Diethylaminoethanol (CAS 100-37-8) | Type TWA | Value 2 ppm | |
| 2-Diethylaminoethanol (CAS | <u> </u> | | |
| 2-Diethylaminoethanol (CAS 100-37-8) Cyclohexylamine (CAS | TWA | 2 ppm | |

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US. NIOSH: Pocket Guide to Chemical Hazards

| Components | Туре | Value | |
|---|------|-----------|--|
| 2-Diethylaminoethanol (CAS 100-37-8) | TWA | 50 mg/m3 | |
| | | 10 ppm | |
| Cyclohexylamine (CAS 108-91-8) | TWA | 40 mg/m3 | |
| | | 10 ppm | |
| Morpholine (CAS 110-91-8) | STEL | 105 mg/m3 | |
| | | 30 ppm | |
| | TWA | 70 mg/m3 | |
| | | 20 ppm | |

Biological limit valuesNo biological exposure limits noted for the ingredient(s).

Exposure guidelines

US. ACGIH Threshold Limit Values

2-Diethylaminoethanol (CAS 100-37-8)

Can be absorbed through the skin.

Morpholine (CAS 110-91-8)

Can be absorbed through the skin.

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

2-Diethylaminoethanol (CAS 100-37-8)

Can be absorbed through the skin.

Morpholine (CAS 110-91-8)

Can be absorbed through the skin.

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. Face shield.

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.

9. Physical and chemical properties

Appearance

Color Colorless to light yellow

Physical stateLiquidOdorStrong

Odor threshold Not available.

pH (concentrated product) 13.3

Melting point/freezing point $1 \degree F (-17 \degree C)$ Initial boiling point and boiling $212 \degree F (100 \degree C)$

range

Flash point 113 °F (45 °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.

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Flammability limit - upper

Not available.

Explosive limit - lower (%) Not available. Not available. Explosive limit - upper (%) 15 mm Ha Vapor pressure

70 °F (21 °C) Vapor pressure temp. > 1 (Air = 1)Vapor density

0.96 Relative density

70 °F (21 °C) Relative density temperature

Solubility(ies)

100 % Solubility (water)

Not available. **Partition coefficient**

(n-octanol/water)

Auto-ignition temperature Not available. Not available. **Decomposition temperature**

10 cps Viscosity 70 °F (21 °C) Viscosity temperature

Other information

Percent volatile 80 (Calculated) 6 °F (-14 °C) Pour point 0.96 Specific gravity

10. Stability and reactivity

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

Material is stable under normal conditions. Chemical stability

Contact with strong acids may cause a violent reaction releasing heat. Possibility of hazardous reactions

Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash Conditions to avoid

point. Avoid contact with strong acids.

Avoid contact with strong acids. Incompatible materials

Hazardous decomposition

products

Oxides of carbon and nitrogen evolved in fire.

11. Toxicological information

Information on likely routes of exposure

Inhalation Harmful if inhaled.

Skin contact Toxic in contact with skin. Causes severe skin burns.

Eye contact Causes serious eye damage.

Ingestion Causes digestive tract burns. Harmful if swallowed.

Symptoms related to the physical, chemical and toxicological

characteristics

Burning pain and severe corrosive skin damage. Coughing, Diarrhea. Dizziness. Irritation of nose and throat. Nausea, vomiting. 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 Toxic in contact with skin. Harmful if inhaled. Harmful if swallowed. May cause respiratory irritation.

Product Species Test Results

STEAMATE NA9680 (CAS Mixture)

Acute Dermal

LD50 Rabbit 490 mg/kg, (Calculated according to GHS additivity formula)

Inhalation

LC50 Rat 14.38 mg/l, 4 Hours, (Calculated according to

GHS additivity formula)

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| Product | Species | Test Results |
|------------------------------|------------|---|
| Oral | | |
| LD50 | Rat | 393 mg/kg, (Calculated according to GHS additivity formula) |
| Components | Species | Test Results |
| 2-Diethylaminoethanol (CAS 2 | 100-37-8) | |
| Acute | | |
| Dermal | | |
| LD50 | Guinea Pig | 885 mg/kg |
| Inhalation | | |
| LC50 | Rat | > 4.5 mg/l, 4 Hour |
| Oral | | |
| LD50 | Rat | 1300 mg/kg |
| Cyclohexylamine (CAS 108-91 | 1-8) | |
| Acute | | |
| Dermal | | |
| LD50 | Rabbit | 277 mg/kg |
| Oral | | |
| LD50 | Rat | 156 mg/kg |
| Morpholine (CAS 110-91-8) | | |
| Acute | | |
| Dermal | | |
| LD50 | Rabbit | 504 mg/kg |
| Inhalation | | |
| LC50 | Rat | 8 mg/l, 4 Hour |
| Oral | | |
| LD50 | Rat | 1680 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 This product is not expected to cause skin sensitization.

Germ cell mutagenicityNo 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.

IARC Monographs. Overall Evaluation of Carcinogenicity

Morpholine (CAS 110-91-8) 3 Not classifiable as to carcinogenicity to humans.

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 Not available.

Chronic effects Prolonged inhalation may be harmful.

12. Ecological information

EcotoxicityThe 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.

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| Product | | Species | Test Results |
|---------------------|-------------|----------------|--|
| STEAMATE NA9680 (CA | AS Mixture) | | |
| | LC50 | Ceriodaphnia | 32.8 mg/L, Static Acute Bioassay, 48 hour, (pH adjusted) |
| | | Fathead Minnow | 100 mg/L, Acute Toxicity, 96 hour, (Estimated) |
| | NOEL | Ceriodaphnia | 8.7 mg/L, Static Acute Bioassay, 48 hour, (pH adjusted) |
| | | Fathead Minnow | 55 mg/L, Acute Toxicity, 96 hour, (Estimated) |
| Aquatic | | | |
| Crustacea | LC50 | Daphnia magna | 35 mg/L, Acute Toxicity, 48 hour, (Estimated) |
| | NOEL | Daphnia magna | 16 mg/L, Acute Toxicity, 48 hour, (Estimated) |

^{*} 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 1.49
Morpholine -0.86

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)
Closed Bottle Test (%
Degradation in 28 days)
1920 (calculated data)
1 (calculated data)
25 (calculated data)

- Zahn-Wellens Test (%

72 (calculated data)

Degradation in 28 days)

- TOC (mg C/g) 476 (calculated data)

13. Disposal considerations

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

material under controlled conditions in an approved incinerator. Do not incinerate sealed containers. If discarded, this product is considered a RCRA ignitable waste, D001. Dispose of contents/container in

accordance with local/regional/national/international regulations.

Local disposal regulations Dispose in accordance with all applicable regulations.

Hazardous waste code D001: Waste Flammable material with a flash point <140 F

D002: Waste Corrosive material [pH \leq 2 or \Rightarrow 12.5, or corrosive to steel]

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).

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

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

14. Transport information

DOT

UN number UN2734

UN proper shipping name AMINES, LIQUID, CORROSIVE, FLAMMABLE, N.O.S. (CYCLOHEXYLAMINE RQ = 285 LBS, MORPHOLINE RQ =

324 LBS), RQ(CYCLOHEXYLAMINE)

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Transport hazard class(es)

8 Class 3 Subsidiary risk \parallel Packing group

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

ERG number

Some containers may be exempt from Dangerous Goods/Hazmat Transport Regulations, please check BOL for exact container

classification.

IATA

UN number UN2734

AMINES, LIQUID, CORROSIVE, FLAMMABLE, N.O.S. (CYCLOHEXYLAMINE; MORPHOLINE) UN proper shipping name

Transport hazard class(es)

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

Special precautions for user

IMDG

UN number UN2734

AMINES, LIQUID, CORROSIVE, FLAMMABLE, N.O.S. (CYCLOHEXYLAMINE; MORPHOLINE), UN proper shipping name

Read safety instructions, SDS and emergency procedures before handling.

RQ(CYCLOHEXYLAMINE)

Transport hazard class(es)

8 Class 3 Subsidiary risk Packing group Ш

Environmental hazards

Marine pollutant No.

Not available. **EmS**

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

DOT



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.

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CERCLA Hazardous Substance List (40 CFR 302.4)

Cyclohexylamine (CAS 108-91-8) Listed.
Morpholine (CAS 110-91-8) 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 | | |

SARA 311/312 Hazardous

No

chemical

SARA 313 (TRI reporting)

Not regulated.

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)

Safe Drinking Water Act

Not regulated.

(SDWA)

Inventory status

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

^{*}A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

country(s).

Food and drug administration ALL ingredients in this product are authorized in 21CFR173.310 for use as boiler water additives where

the steam may contact food.

NSF Registered and/or meets

Registration No. - 146015

USDA (according to 1998

US state regulations

Category Code(s):

guidelines): G5 Cooling and retort water treatment products

G6 Boiler treatment products, steam line products – food contact

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

US - Massachusetts RTK - Substance List

2-Diethylaminoethanol (CAS 100-37-8) Cyclohexylamine (CAS 108-91-8) Morpholine (CAS 110-91-8)

US - Pennsylvania RTK - Hazardous Substances

2-Diethylaminoethanol (CAS 100-37-8) Cyclohexylamine (CAS 108-91-8) Morpholine (CAS 110-91-8)

US - Rhode Island RTK

Cyclohexylamine (CAS 108-91-8)

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

Morpholine (CAS 110-91-8)

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

2-Diethylaminoethanol (CAS 100-37-8)

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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

Cyclohexylamine (CAS 108-91-8) Morpholine (CAS 110-91-8)

US. Pennsylvania Worker and Community Right-to-Know Law

2-Diethylaminoethanol (CAS 100-37-8) Cyclohexylamine (CAS 108-91-8) Morpholine (CAS 110-91-8)

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

ACETALDEHYDE (CAS 75-07-0) Listed: April 1, 1988 Aniline (CAS 62-53-3) Listed: January 1, 1990

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-05-2014Revision dateJun-09-2015

Version # 2.0

List of abbreviations

CAS: Chemical Abstract Service Registration Number

NFPA: National Fire Protection Association

ACGIH: American Conference of Governmental Industrial Hygienists

TWA: Time Weighted Average STEL: Short Term Exposure Limit LD50: Lethal Dose, 50%

LC50: Lethal Concentration, 50% NOEL: No Observed Effect Level COD: Chemical Oxygen Demand BOD: Biochemical Oxygen Demand TOC: Total Organic Carbon

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

IATA: International Air Transport Association

IMDG: International Maritime Dangerous Goods Code

TLV: Threshold Limit Value

References: No data available

Disclaimer The information in the sheet was written based on the best knowledge and experience currently

available. 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.

Revision Information First-aid measures: Eye contact

Exposure controls/personal protection: Eye/face protection

Physical & Chemical Properties: Multiple Properties Stability and reactivity: Incompatible materials Toxicological Information: Toxicological Data

Transport Information: Material Transportation Information

Other information, including date of preparation or last revision: Prepared by

GHS: Classification

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

(1-215-355-3300).

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