1. Identification

Product identifier
TURBOLINE FS100

Other means of identification
None.

Recommended use
Distillate fuel stabilizer.

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
Skin corrosion/irritation
Serious eye damage/eye irritation
Skin sensitization, skin
Germ cell mutagenicity
Carcinogenicity
Reproductive toxicity
Specific target organ toxicity, single exposure
Specific target organ toxicity, repeated exposure (dermal)
Aspiration hazard

Health hazards
Category 4
Category 2
Category 4
Category 2
Category 1
Category 2
Category 1B
Category 3 respiratory tract irritation
Category 3 narcotic effects
Category 1 (adrenal gland, bone marrow, kidney, liver, thymus gland)
Category 1

OSHA defined hazards
Not classified.

Label elements

Signal word
Danger

Hazard statement
Combustible liquid. May be fatal if swallowed and enters airways. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May cause respiratory irritation. May cause drowsiness or dizziness. Suspected of causing genetic defects. Suspected of causing cancer. May damage fertility or the unborn child. Causes damage to organs (adrenal gland, bone marrow, kidney, liver, thymus gland) through prolonged or repeated exposure by skin contact.
Precautionary statement

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. 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. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection.

Response

If swallowed: Immediately call a poison center/doctor/. If on skin: Wash with plenty of water/. 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. If exposed or concerned: Get medical advice/attention. Call a poison center/doctor// if you feel unwell. Specific treatment (see on this label). Do NOT induce vomiting. If skin irritation or rash occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash before reuse. In case of fire: Use to extinguish.

Storage


Disposal

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

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS #</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solvent naphtha (petroleum), heavy aromatic</td>
<td>64742-94-5</td>
<td>60 - 80</td>
</tr>
<tr>
<td>BHT, butylated hydroxytoluene</td>
<td>128-37-0</td>
<td>2.5 - 10</td>
</tr>
<tr>
<td>Distillates (petroleum), solvent-dewaxed heavy paraffinic</td>
<td>64742-65-0</td>
<td>2.5 - 10</td>
</tr>
<tr>
<td>Naphthalene</td>
<td>91-20-3</td>
<td>2.5 - 10</td>
</tr>
<tr>
<td>Phosphonothioic acid, polyisobutyl derivs., esters with pentaerythritol</td>
<td>68908-58-7</td>
<td>2.5 - 10</td>
</tr>
<tr>
<td>N,N, Disalicylidene-1,2 Propanediamine</td>
<td>94-91-7</td>
<td>0.1 - 1</td>
</tr>
<tr>
<td>Xylene</td>
<td>1330-20-7</td>
<td>0.1 - 1</td>
</tr>
</tbody>
</table>

4. First-aid measures

Inhalation

Move to fresh air. If breathing stops, provide artificial respiration. For breathing difficulties, oxygen may be necessary. Get medical attention immediately.

Skin contact

Wash off with soap and water. Get medical attention immediately. Take off contaminated clothing and wash before reuse.

Eye contact

Immediately flush eyes with plenty of water for at least 15 minutes. Keep eyelids apart. Remove contact lenses, if present and easy to do. Get medical attention immediately.

Ingestion

Never give anything by mouth to a victim who is unconscious or is having convulsions. If swallowed, rinse mouth with water (only if the person is conscious). Do not induce vomiting. Dilute contents of stomach using 2-8 fluid ounces (60-240ml) of milk or water. Call a physician or poison control center immediately.

Most important symptoms/effects, acute and delayed


Indication of immediate medical attention and special treatment needed

Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

General information

IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice [show the label where possible]. 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

Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).

Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical
The product is combustible, and heating may generate vapors which may form explosive vapor/air mixtures. During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters
Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask.

Fire fighting equipment/instructions
In case of fire and/or explosion do not breathe fumes. Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. Cool containers / tanks with water spray.

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

General fire hazards
Combustible liquid.

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. Ensure adequate ventilation. 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). 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. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water.

Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Clean surface thoroughly to remove residual contamination.

Environmental precautions
Avoid discharge into drains, water courses or onto the ground.

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. Keep away from open flames, hot surfaces and sources of ignition. Do not breathe mist or vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated contact with skin. Avoid prolonged exposure. When using, do not eat, drink or smoke. Pregnant or breastfeeding women must not handle this product. Should be handled in closed systems, if possible. Provide adequate ventilation. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities
Store locked up. Keep away from heat, sparks and open flame. Store in a cool, dry place out of direct sunlight. Store in original tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Distillates (petroleum), solvent-dewaxed heavy paraffinic (CAS 64742-65-0)</td>
<td>PEL</td>
<td>5 mg/m³</td>
<td>Mist.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2000 mg/m³</td>
<td>500 ppm</td>
</tr>
<tr>
<td>Naphthalene (CAS 91-20-3)</td>
<td>PEL</td>
<td>50 mg/m³</td>
<td>10 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>400 mg/m³</td>
<td></td>
</tr>
<tr>
<td>Solvent naphtha (petroleum), heavy aromatic (CAS 64742-94-5)</td>
<td>PEL</td>
<td>100 ppm</td>
<td></td>
</tr>
<tr>
<td>Xylene (CAS 1330-20-7)</td>
<td>PEL</td>
<td>435 mg/m³</td>
<td>100 ppm</td>
</tr>
</tbody>
</table>
### US. ACGIH Threshold Limit Values

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>BHT, butylated hydroxytoluene (CAS 128-37-0)</td>
<td>TWA</td>
<td>2 mg/m³</td>
<td>Inhalable fraction and vapor.</td>
</tr>
<tr>
<td>Distillates (petroleum), solvent-dewaxed heavy paraffinic (CAS 64742-65-0)</td>
<td>TWA</td>
<td>5 mg/m³</td>
<td>Inhalable fraction.</td>
</tr>
<tr>
<td>Naphthalene (CAS 91-20-3)</td>
<td>TWA</td>
<td>10 ppm</td>
<td></td>
</tr>
<tr>
<td>Solvent naphtha (petroleum), heavy aromatic (CAS 64742-94-5)</td>
<td>TWA</td>
<td>200 mg/m³</td>
<td>Non-aerosol.</td>
</tr>
<tr>
<td>Xylene (CAS 1330-20-7)</td>
<td>STEL</td>
<td>150 ppm</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>100 ppm</td>
<td></td>
</tr>
</tbody>
</table>

### US. NIOSH: Pocket Guide to Chemical Hazards

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>BHT, butylated hydroxytoluene (CAS 128-37-0)</td>
<td>TWA</td>
<td>10 mg/m³</td>
<td></td>
</tr>
<tr>
<td>Distillates (petroleum), solvent-dewaxed heavy paraffinic (CAS 64742-65-0)</td>
<td>Ceiling</td>
<td>1800 mg/m³</td>
<td></td>
</tr>
<tr>
<td>Naphthalene (CAS 91-20-3)</td>
<td>STEL</td>
<td>10 mg/m³</td>
<td>Mist.</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>5 mg/m³</td>
<td>Mist.</td>
</tr>
<tr>
<td>Naphthalene (CAS 91-20-3)</td>
<td>STEL</td>
<td>75 mg/m³</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>15 ppm</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>50 mg/m³</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>10 ppm</td>
<td></td>
</tr>
</tbody>
</table>

### Biological limit values

<table>
<thead>
<tr>
<th>Components</th>
<th>Value</th>
<th>Determinant</th>
<th>Specimen</th>
<th>Sampling Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Xylene (CAS 1330-20-7)</td>
<td>1.5 g/g</td>
<td>Methylhippuric acids</td>
<td>Creatinine in urine</td>
<td>*</td>
</tr>
</tbody>
</table>

* - For sampling details, please see the source document.

### Exposure guidelines

#### US. ACGIH Threshold Limit Values

- Naphthalene (CAS 91-20-3)
  - Can be absorbed through the skin.
- Solvent naphtha (petroleum), heavy aromatic (CAS 64742-94-5)
  - Can be absorbed through the skin.

#### Appropriate engineering controls

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

- **Respiratory protection**
  - Chemical respirator with organic vapor cartridge and full facepiece.

- **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**
  - Yellow to amber
Physical state  Liquid
Odor  Slight hydrocarbon
pH in aqueous solution  7 (5% EXTRACT)
Initial boiling point and boiling range  350 °F [177 °C]
Flash point  150 °F [66 °C] P-M(CC)
Evaporation rate  < 1 (Ether = 1)
Flammability (solid, gas)  Not available.
Upper/lower flammability or explosive limits
   Explosive limit - lower (%)  Not available.
   Explosive limit - upper (%)  Not available.
Vapor pressure  < 5 mm Hg
Vapor pressure temp.  70 °F [21 °C]
Vapor density  > 1 (Air = 1)
Relative density  0.89
Relative density temperature  70 °F [21 °C]
Solubility(ies)
   Solubility (water)  < 0.01 %
Viscosity  11 cps
Viscosity temperature  70 °F [21 °C]
Other information
   Percent volatile  83 (Calculated)
   Pour point  < -30 °F (< -34 °C)
   Specific gravity  0.89

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.
Possibility of hazardous reactions  Hazardous polymerization does not occur.
Conditions to avoid  Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point.
Incompatible materials  Strong oxidizing agents.
Hazardous decomposition products  Oxides of carbon, nitrogen and phosphorus evolved in fire.

11. Toxicological information
Information on likely routes of exposure
   Inhalation  May cause damage to organs through prolonged or repeated exposure by inhalation. May cause drowsiness and dizziness. Headache. Nausea, vomiting. May cause irritation to the respiratory system. Prolonged inhalation may be harmful.
   Skin contact  Causes damage to organs through prolonged or repeated exposure by skin contact. Causes skin irritation. May cause an allergic skin reaction.
   Eye contact  Causes serious eye irritation.
   Ingestion  Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.
Symptoms related to the physical, chemical and toxicological characteristics
Information on toxicological effects
   Acute toxicity  May be fatal if swallowed and enters airways. Narcotic effects. May cause an allergic skin reaction. May cause respiratory irritation.
<table>
<thead>
<tr>
<th>Product</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>TURBOLINE FS100 (CAS Mixture)</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Dermal</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>LD50</strong></td>
<td>Rabbit</td>
<td>&gt; 5000 mg/kg, (Calculated according to GHS additivity formula)</td>
</tr>
<tr>
<td><strong>Inhalation</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>LC50</strong></td>
<td>Rat</td>
<td>8.75 mg/l, 4 Hours, (Calculated according to GHS additivity formula)</td>
</tr>
<tr>
<td><strong>Oral</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>LD50</strong></td>
<td>Rat</td>
<td>&gt; 5000 mg/kg, (Calculated according to GHS additivity formula)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>BHT, butylated hydroxytoluene (CAS 128-37-0)</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Dermal</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>LD50</strong></td>
<td>Rabbit</td>
<td>&gt; 2000 mg/kg</td>
</tr>
<tr>
<td><strong>Oral</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>LD50</strong></td>
<td>Rat</td>
<td>1350 mg/kg</td>
</tr>
<tr>
<td><strong>N,N, Disalicylidene-1.2 Propanediamine (CAS 94-91-7)</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Dermal</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>LD50</strong></td>
<td>Rabbit</td>
<td>&gt; 2000 mg/kg</td>
</tr>
<tr>
<td><strong>Oral</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>LD50</strong></td>
<td>Rat</td>
<td>1350 mg/kg</td>
</tr>
<tr>
<td><strong>Naphthalene (CAS 91-20-3)</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Dermal</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>LD50</strong></td>
<td>Rabbit</td>
<td>&gt; 16000 mg/kg</td>
</tr>
<tr>
<td><strong>Oral</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>LD50</strong></td>
<td>Rat</td>
<td>&gt; 2000 mg/kg</td>
</tr>
<tr>
<td><strong>Solvent naphtha (petroleum),heavy aromatic (CAS 64742-94-5)</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Dermal</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>LD50</strong></td>
<td>Rabbit</td>
<td>&gt; 3160 mg/kg</td>
</tr>
<tr>
<td><strong>Inhalation</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>LC50</strong></td>
<td>Rat</td>
<td>&gt; 5.2 mg/L, 4 Hour</td>
</tr>
<tr>
<td><strong>Oral</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>LD50</strong></td>
<td>Rat</td>
<td>7050 mg/kg</td>
</tr>
<tr>
<td><strong>Xylene (CAS 1330-20-7)</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Dermal</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>LD50</strong></td>
<td>Rabbit</td>
<td>&gt; 5000 mg/kg</td>
</tr>
<tr>
<td><strong>Inhalation</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>LC50</strong></td>
<td>Rat</td>
<td>11.58 mg/l, 4 Hour</td>
</tr>
<tr>
<td><strong>Oral</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>LD50</strong></td>
<td>Rat</td>
<td>4300 mg/kg</td>
</tr>
</tbody>
</table>

* Estimates for product may be based on additional component data not shown.

**Skin corrosion/irritation**: Causes skin irritation.

**Serious eye damage/eye irritation**: Causes serious eye irritation.

**Respiratory or skin sensitization**: Not available.
Skin sensitization  May cause an allergic skin reaction.

Germ cell mutagenicity  Suspected of causing genetic defects.

Carcinogenicity  Suspected of causing cancer.

IARC Monographs. Overall Evaluation of Carcinogenicity

<table>
<thead>
<tr>
<th>Substance</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>BHT, butylated hydroxytoluene (CAS 128-37-0)</td>
<td>3 Not classifiable as to carcinogenicity to humans.</td>
</tr>
<tr>
<td>Naphthalene (CAS 91-20-3)</td>
<td>2B Possibly carcinogenic to humans.</td>
</tr>
<tr>
<td>Xylene (CAS 1330-20-7)</td>
<td>3 Not classifiable as to carcinogenicity to humans.</td>
</tr>
</tbody>
</table>

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

US. National Toxicology Program (NTP) Report on Carcinogens

Distillates (petroleum), solvent-dewaxed heavy paraffinic (CAS 64742-65-0)  Known To Be Human Carcinogen.
Naphthalene (CAS 91-20-3)  Reasonably Anticipated to be a Human Carcinogen.

Reproductive toxicity  May damage fertility or the unborn child.

Specific target organ toxicity - single exposure  May cause respiratory irritation. May cause drowsiness and dizziness.

Specific target organ toxicity - repeated exposure  Causes damage to organs (adrenal gland, bone marrow, kidney, liver, thymus gland) through prolonged or repeated exposure by skin contact.

Aspiration hazard  May be fatal if swallowed and enters airways.

Chronic effects  Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects. Causes damage to organs through prolonged or repeated exposure.

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.

Bioaccumulative potential  No data available.

Partition coefficient n-octanol / water (log Kow)

<table>
<thead>
<tr>
<th>Substance</th>
<th>log Kow</th>
</tr>
</thead>
<tbody>
<tr>
<td>Naphthalene</td>
<td>3.3</td>
</tr>
<tr>
<td>Xylene</td>
<td>3.12 - 3.2</td>
</tr>
</tbody>
</table>

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.

13. Disposal considerations

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

Hazardous waste code  D018: Waste Benzene
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

<table>
<thead>
<tr>
<th>UN number</th>
<th>UN proper shipping name</th>
</tr>
</thead>
<tbody>
<tr>
<td>NA1993</td>
<td>COMBUSTIBLE LIQUID, N.O.S. (SOLVENT NAPHTHA [PETROLEUM], HEAVY AROMATIC, NAPHTHALENE RQ = 1103 LBS), RQ(NAPHTHALENE)</td>
</tr>
</tbody>
</table>

Transport hazard class(es)  Not available.
### Subsidiary risk

- Packing group

### Special precautions for user

Read safety instructions, SDS and emergency procedures before handling.

### ERG number

128

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

#### IATA

**UN number**

UN3082

**UN proper shipping name**

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (SOLVENT NAPHTHA (PETROLEUM), HEAVY AROMATIC, NAPHTHALENE)

**Transport hazard class(es)**

- **Class**
  - 9
- **Subsidiary risk**
  - III
- **Packing group**
  - III
- **Environmental hazards**
  - No.
- **ERG Code**
  - 171

**Special precautions for user**

Read safety instructions, SDS and emergency procedures before handling.

#### IMDG

**UN number**

UN3082

**UN proper shipping name**

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (SOLVENT NAPHTHA (PETROLEUM), HEAVY AROMATIC, NAPHTHALENE), RQ (NAPHTHALENE), MARINE POLLUTANT

**Transport hazard class(es)**

- **Class**
  - 9
- **Subsidiary risk**
  - -
- **Packing group**
  - III
- **Environmental hazards**
  - Yes
- **Marine pollutant**
  - Yes

**EmS**

Not available.

**Special precautions for user**

Read safety instructions, SDS and emergency procedures before handling.

#### IATA; IMDG

- **Marine pollutant**

#### 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)

Naphthalene (CAS 91-20-3) Listed.
Xylene (CAS 1330-20-7) Listed.

SARA 304 Emergency release notification

Not regulated.

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

Not listed.

SARA 311/312 Hazardous chemical

Yes

SARA 313 (TRI reporting)

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS number</th>
<th>% by wt.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Naphthalene</td>
<td>91-20-3</td>
<td>2.5 - 10</td>
</tr>
<tr>
<td>Xylene</td>
<td>1330-20-7</td>
<td>0.1 - 1</td>
</tr>
</tbody>
</table>

Other federal regulations

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

Naphthalene (CAS 91-20-3)
Xylene (CAS 1330-20-7)

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

Not regulated.

Safe Drinking Water Act (SDWA)

Not regulated.

Inventory status

<table>
<thead>
<tr>
<th>Country(s) or region</th>
<th>Inventory name</th>
<th>On inventory (yes/no)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Canada</td>
<td>Domestic Substances List (DSL)</td>
<td>Yes</td>
</tr>
<tr>
<td>Canada</td>
<td>Non-Domestic Substances List (NDSL)</td>
<td>No</td>
</tr>
<tr>
<td>United States &amp; Puerto Rico</td>
<td>Toxic Substances Control Act (TSCA) Inventory</td>
<td>Yes</td>
</tr>
</tbody>
</table>

* "A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country/ies.
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/ies.

US state regulations

US - Massachusetts RTK - Substance List

- BHT, butylated hydroxytoluene (CAS 128-37-0)
- Distillates (petroleum), solvent-dewaxed heavy paraffinic (CAS 64742-65-0)
- Naphthalene (CAS 91-20-3)
- Xylene (CAS 1330-20-7)

US - Pennsylvania RTK - Hazardous Substances

- BHT, butylated hydroxytoluene (CAS 128-37-0)
- Naphthalene (CAS 91-20-3)
- Solvent naphtha (petroleum), heavy aromatic (CAS 64742-94-5)
- Xylene (CAS 1330-20-7)

US - Rhode Island RTK

- Naphthalene (CAS 91-20-3)
- Xylene (CAS 1330-20-7)

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

- BHT, butylated hydroxytoluene (CAS 128-37-0)
- Naphthalene (CAS 91-20-3)
- Solvent naphtha (petroleum), heavy aromatic (CAS 64742-94-5)
- Xylene (CAS 1330-20-7)
US. Pennsylvania Worker and Community Right-to-Know Law
BHT, butylated hydroxytoluene (CAS 128-37-0)
Naphthalene (CAS 91-20-3)
Solvent naphtha (petroleum), heavy aromatic (CAS 64742-94-5)
Xylene (CAS 1330-20-7)

US. California Proposition 65
WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

US - California Proposition 65 - CRT: Listed date/Carcinogenic substance
- Benzene (CAS 71-43-2) Listed: February 27, 1987
- Ethylbenzene (CAS 100-41-4) Listed: June 11, 2004
- Naphthalene (CAS 91-20-3) Listed: April 19, 2002

US - California Proposition 65 - CRT: Listed date/Developmental toxin
- Benzene (CAS 71-43-2) Listed: December 26, 1997
- Toluene (CAS 108-88-3) Listed: January 1, 1991

US - California Proposition 65 - CRT: Listed date/Female reproductive toxin
- Toluene (CAS 108-88-3) Listed: August 7, 2009

US - California Proposition 65 - CRT: Listed date/Male reproductive toxin
- Benzene (CAS 71-43-2) Listed: December 26, 1997

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

Issue date: Feb-18-2015
Revision date: Jun-01-2015
Version #: 6.0

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

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

Revision Information
Composition/information on ingredients: Component information
Physical and chemical properties: Color
Toxicological Information: Toxicological Data
Transport Information: Material Transportation Information
Other information, including date of preparation or last revision: Prepared by

Prepared by
This SDS has been prepared by GE Water & Process Technologies Regulatory Department (1-215-355-3300).