

## 1. Identification

|   |  |                       |
|---|--|-----------------------|
| <b>Product identifier</b>                                     | <b>NAPHTHALENE, SCINTILLATION GRADE</b>  |                       |
| <b>Other means of identification</b>                          |  |                       |
| <b>Product code</b>   | 4856   |                       |
| <b>Recommended use</b>  | professional, scientific and technical activities: other professional, scientific and technical activities |                       |
| <b>Recommended restrictions</b>                               | None known.  |                       |
| <b>Manufacturer/Importer/Supplier/Distributor information</b> |  |                       |
| <b>Manufacturer</b>   |  |                       |
| <b>Company name</b>   | GFS Chemicals, Inc.  |                       |
| <b>Address</b>  | P.O. Box 245<br>Powell, OH 43065<br>United States  |                       |
| <b>Telephone</b>  | Phone  | 740-881-5501          |
|   | Toll Free  | 800-858-9682          |
|   | Fax  | 740-881-5989          |
| <b>Website</b>  | www.gfschemicals.com   |                       |
| <b>E-mail</b>   | service@gfschemicals.com   |                       |
| <b>Emergency phone number</b>                                 | Emergency Assistance   | Chemtrec 800-424-9300 |

## 2. Hazard(s) identification

|                              |  |            |
|------------------------------|--|------------|
| <b>Physical hazards</b>      | Flammable solids                                       | Category 2 |
| <b>Health hazards</b>        | Acute toxicity, oral                                   | Category 4 |
|                              | Carcinogenicity  | Category 2 |
| <b>Environmental hazards</b> | Hazardous to the aquatic environment, acute hazard     | Category 1 |
|                              | Hazardous to the aquatic environment, long-term hazard | Category 1 |
| <b>OSHA defined hazards</b>  | Not classified.  |            |

### Label elements



|  |  |
|--|--|
| <b>Signal word</b>                               | Warning  |
| <b>Hazard statement</b>                          | Flammable solid. Harmful if swallowed. Suspected of causing cancer. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects. May form combustible dust concentrations in air.   |
| <b>Precautionary statement</b>                   |  |
| <b>Prevention</b>                                | 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. Do not eat, drink or smoke when using this product. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection. Prevent dust accumulation to minimize explosion hazard. Observe good industrial hygiene practices. |
| <b>Response</b>                                  | IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. Take off contaminated clothing and wash before reuse. Collect spillage.   |
| <b>Storage</b>                                   | Store locked up.   |
| <b>Disposal</b>                                  | Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.   |
| <b>Hazard(s) not otherwise classified (HNOC)</b> | None known.  |
| <b>Supplemental information</b>                  | None.  |

### 3. Composition/information on ingredients

#### Substances

| Chemical name | Common name and synonyms | CAS number | %   |
|---------------|--------------------------|------------|-----|
| NAPHTHALENE   |                          | 91-20-3    | 100 |

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

#### 4. First-aid measures

|   |   |
|---|---|
| <b>Inhalation</b>   | Move to fresh air. Call a physician if symptoms develop or persist.   |
| <b>Skin contact</b>   | Wash off with soap and water. Get medical attention if irritation develops and persists.  |
| <b>Eye contact</b>  | Do not rub eyes. Rinse with water. Get medical attention if irritation develops and persists.   |
| <b>Ingestion</b>  | Rinse mouth. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Get medical advice/attention if you feel unwell.   |
| <b>Most important symptoms/effects, acute and delayed</b>                     | Abdominal pain. Headache. Nausea, vomiting. Dusts may irritate the respiratory tract, skin and eyes. Irritation of eyes and mucous membranes.   |
| <b>Indication of immediate medical attention and special treatment needed</b> | 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. Keep victim warm. Keep victim under observation. Symptoms may be delayed. |
| <b>General information</b>  | 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.  |

#### 5. Fire-fighting measures

|  |  |
|--|--|
| <b>Suitable extinguishing media</b>                                  | Water fog. Foam. Dry chemical powder. Carbon dioxide (CO <sub>2</sub> ). Apply extinguishing media carefully to avoid creating airborne dust.  |
| <b>Unsuitable extinguishing media</b>                                | Do not use water jet as an extinguisher, as this will spread the fire.   |
| <b>Specific hazards arising from the chemical</b>                    | Explosion hazard: Avoid generating dust; fine dust dispersed in air in sufficient concentrations and in the presence of an ignition source is a potential dust explosion hazard. During fire, gases hazardous to health may be formed. |
| <b>Special protective equipment and precautions for firefighters</b> | Self-contained breathing apparatus and full protective clothing must be worn in case of fire.  |
| <b>Fire fighting equipment/instructions</b>                          | In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.   |
| <b>Specific methods</b>  | Use standard firefighting procedures and consider the hazards of other involved materials.   |
| <b>General fire hazards</b>  | Flammable solid. May form combustible dust concentrations in air.  |

#### 6. Accidental release measures

|  |  |
|--|--|
| <b>Personal precautions, protective equipment and emergency procedures</b> | Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Use only non-sparking tools. Wear appropriate protective equipment and clothing during clean-up. 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.   |
| <b>Methods and materials for containment and cleaning up</b>               | Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Take precautionary measures against static discharge. Use only non-sparking tools. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). This material is classified as a water pollutant under the Clean Water Act and should be prevented from contaminating soil or from entering sewage and drainage systems which lead to waterways. Stop the flow of material, if this is without risk.<br><br>Large Spills: Wet down with water and dike for later disposal. Shovel the material into waste container. Following product recovery, flush area with water.<br><br>Small Spills: Sweep up or vacuum up spillage and collect in suitable container for disposal.<br><br>Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. |
| <b>Environmental precautions</b>   | Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground. Inform appropriate managerial or supervisory personnel of all environmental releases.   |

## 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. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Explosion-proof general and local exhaust ventilation. Minimize dust generation and accumulation. Avoid significant deposits of material, especially on horizontal surfaces, which may become airborne and form combustible dust clouds and may contribute to secondary explosions. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres. Avoid prolonged exposure. Do not taste or swallow. When using, do not eat, drink or smoke. Should be handled in closed systems, if possible. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. 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. Keep containers tightly closed in a dry, cool and 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

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

| Material                  | Type | Value              |
|---------------------------|------|--------------------|
| NAPHTHALENE (CAS 91-20-3) | PEL  | 50 mg/m3<br>10 ppm |

#### US. ACGIH Threshold Limit Values

| Material                  | Type | Value  |
|---------------------------|------|--------|
| NAPHTHALENE (CAS 91-20-3) | TWA  | 10 ppm |

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

| Material                  | Type | Value              |
|---------------------------|------|--------------------|
| NAPHTHALENE (CAS 91-20-3) | STEL | 75 mg/m3<br>15 ppm |
|                           | TWA  | 50 mg/m3<br>10 ppm |

### Biological limit values

No biological exposure limits noted for the ingredient(s).

### Exposure guidelines

#### US ACGIH Threshold Limit Values: Skin designation

NAPHTHALENE (CAS 91-20-3)

Can be absorbed through the skin.

#### US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants

NAPHTHALENE (CAS 91-20-3)

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.

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

#### Eye/face protection

Wear safety glasses with side shields (or goggles).

#### Skin protection

##### Hand protection

Wear appropriate chemical resistant gloves.

##### Other

Wear suitable protective clothing. Use of an impervious apron is recommended.

#### Respiratory protection

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

#### 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

|  |                                  |
|--|----------------------------------|
| <b>Physical state</b>                          | Solid.                           |
| <b>Form</b>                                    | Flakes. Crystalline.             |
| <b>Color</b>                                   | White.                           |
| <b>Odor</b>                                    | Aromatic.                        |
| <b>Odor threshold</b>                          | Not available.                   |
| <b>pH</b>                                      | Not available.                   |
| <b>Melting point/freezing point</b>            | 176.36 °F (80.2 °C)              |
| <b>Initial boiling point and boiling range</b> | 424.22 °F (217.9 °C) 101.325 kPa |
| <b>Flash point</b>                             | 174.2 °F (79.0 °C) Closed Cup    |
| <b>Evaporation rate</b>                        | Not available.                   |
| <b>Flammability (solid, gas)</b>               | Flammable solid.                 |

### Upper/lower flammability or explosive limits

|                                       |                |
|---------------------------------------|----------------|
| <b>Flammability limit - lower (%)</b> | 0.9 %          |
| <b>Flammability limit - upper (%)</b> | 5.9 %          |
| <b>Explosive limit - lower (%)</b>    | Not available. |
| <b>Explosive limit - upper (%)</b>    | Not available. |

**Vapor pressure** 0.01 kPa at 25 °C

**Vapor density** 4.42

**Relative density** Not available.

### Solubility(ies)

**Solubility (water)** 0.03 g/l

**Partition coefficient (n-octanol/water)** 3.3

**Auto-ignition temperature** 978.8 °F (526 °C)

**Decomposition temperature** Not available.

**Viscosity** Not available.

### Other information

|                            |                                       |
|----------------------------|---------------------------------------|
| <b>Density</b>             | 1.16 g/cm <sup>3</sup> at 20 °C       |
| <b>Dynamic viscosity</b>   | 0.96 mPa.s (176.54 °F (80.3 °C))      |
| <b>Flammability class</b>  | Combustible IIIA estimated            |
| <b>Flash point class</b>   | Combustible IIIA                      |
| <b>Kinematic viscosity</b> | 1 mm <sup>2</sup> /s (176 °F (80 °C)) |
| <b>Molecular formula</b>   | C <sub>10</sub> H <sub>8</sub>        |
| <b>Molecular weight</b>    | 128.17 g/mol                          |
| <b>Specific gravity</b>    | 1.16                                  |
| <b>Surface tension</b>     | 31.8 mN/m (212 °F (100 °C))           |

## 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** Keep away from heat, sparks and open flame. Avoid temperatures exceeding the flash point. Contact with incompatible materials. Minimize dust generation and accumulation.

**Incompatible materials** Strong oxidizing agents.

**Hazardous decomposition products** No hazardous decomposition products are known.

## 11. Toxicological information

### Information on likely routes of exposure

|                     |  |
|---------------------|--|
| <b>Inhalation</b>   | Prolonged inhalation may be harmful.                     |
| <b>Skin contact</b> | No adverse effects due to skin contact are expected.     |
| <b>Eye contact</b>  | Direct contact with eyes may cause temporary irritation. |
| <b>Ingestion</b>    | Harmful if swallowed.                                    |

**Symptoms related to the physical, chemical and toxicological characteristics** Abdominal pain. Headache. Nausea, vomiting. Irritation of eyes and mucous membranes. Dusts may irritate the respiratory tract, skin and eyes.

### Information on toxicological effects

**Acute toxicity** Harmful if swallowed.

| Product                   | Species                  | Test Results  |
|---------------------------|--------------------------|---------------|
| NAPHTHALENE (CAS 91-20-3) |                          |               |
| <b>Acute</b>              |                          |               |
| <b>Dermal</b>             |                          |               |
| LD50                      | New Zealand white rabbit | > 2000 mg/kg  |
|                           | Rabbit                   | > 2 g/kg      |
|                           | Rat                      | > 20000 mg/kg |
|                           |                          | > 20 g/kg     |
| <b>Oral</b>               |                          |               |
| LD50                      | Guinea pig               | 1200 mg/kg    |
|                           | Rat                      | 490 mg/kg     |
|                           | Sherman rat              | 2400 mg/kg    |
|                           |                          | 2200 mg/kg    |
|                           | Sprague-Dawley rat       | 2600 mg/kg    |
| <b>Other</b>              |                          |               |
| LD50                      | Mouse                    | 100 mg/kg     |

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

**Skin corrosion/irritation** Prolonged skin contact may cause temporary irritation.

**Serious eye damage/eye irritation** Direct contact with eyes may cause temporary irritation.

### Respiratory or skin sensitization

**Respiratory sensitization** Not available.

**Skin sensitization** This product is not expected to cause skin sensitization.

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

**Carcinogenicity** Suspected of causing cancer.

### IARC Monographs. Overall Evaluation of Carcinogenicity

NAPHTHALENE (CAS 91-20-3) 2B Possibly carcinogenic to humans.

### US OSHA Hazard Categories (1)

Not regulated.

### US OSHA Hazard Categories (10)

Not regulated.

### US OSHA Hazard Categories (2)

Not regulated.

### US OSHA Hazard Categories (3)

Not regulated.

### US OSHA Hazard Categories (4)

Not regulated.

### US OSHA Hazard Categories (5)

Not regulated.

### US OSHA Hazard Categories (6)

Not regulated.

**US OSHA Hazard Categories (7)**

Not regulated.

**US OSHA Hazard Categories (8)**

Not regulated.

**US OSHA Hazard Categories (9)**

Not regulated.

**US. National Toxicology Program (NTP) Report on Carcinogens**

NAPHTHALENE (CAS 91-20-3)

Reasonably Anticipated to be a Human Carcinogen.

|   |  |
|---|--|
| <b>Reproductive toxicity</b>                              | This product is not expected to cause reproductive or developmental effects.       |
| <b>Specific target organ toxicity - single exposure</b>   | Not classified.  |
| <b>Specific target organ toxicity - repeated exposure</b> | Not classified.  |
| <b>Aspiration hazard</b>                                  | Not available.   |
| <b>Chronic effects</b>                                    | Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects. |

**12. Ecological information****Ecotoxicity** Very toxic to aquatic life with long lasting effects.

| Product                   | Species | Test Results  |
|---------------------------|---------|---|
| NAPHTHALENE (CAS 91-20-3) |         |   |
| <b>Aquatic</b>            |         |   |
| Crustacea                 | EC50    | Water flea (Daphnia magna) 1.09 - 3.4 mg/l, 48 hours            |
| Fish                      | LC50    | Pink salmon (Oncorhynchus gorbuscha) 1.11 - 1.68 mg/l, 96 hours |

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

**Persistence and degradability** No data is available on the degradability of this product.**Bioaccumulative potential** Not available.**Partition coefficient n-octanol / water (log Kow)**

3.3

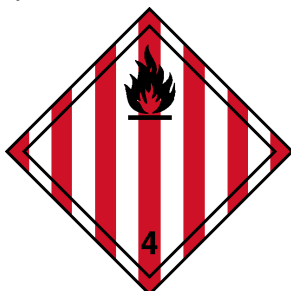
**Mobility in soil** No data available.**Other adverse effects** No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.**13. Disposal considerations****Disposal instructions** Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. 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** The waste code should be assigned in discussion between the user, the producer and the waste disposal company.**US RCRA Hazardous Waste U List: Reference**

NAPHTHALENE (CAS 91-20-3)

U165

**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**

|                                   |  |
|-----------------------------------|--|
| <b>UN number</b>                  | UN1334   |
| <b>UN proper shipping name</b>    | Naphthalene, crude or Naphthalene, refined, MARINE POLLUTANT |
| <b>Transport hazard class(es)</b> |  |
| <b>Class</b>                      | 4.1  |
| <b>Subsidiary risk</b>            | -  |
| <b>Label(s)</b>                   | 4.1  |
| <b>Packing group</b>              | III  |

**Environmental hazards****Marine pollutant** Yes**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.**Special provisions** A1, IB8, IP3, T1, TP33**Packaging exceptions** 151**Packaging non bulk** 213**Packaging bulk** 240**IATA****UN number** UN1334**UN proper shipping name** Naphthalene, crude**Transport hazard class(es)****Class** 4.1**Subsidiary risk** -**Packing group** III**Environmental hazards** No.**ERG Code** 3L**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.**Other information****Passenger and cargo aircraft** Allowed with restrictions.**Cargo aircraft only** Allowed with restrictions.**IMDG****UN number** UN1334**UN proper shipping name** NAPHTHALENE, CRUDE or NAPHTHALENE, REFINED, MARINE POLLUTANT**Transport hazard class(es)****Class** 4.1**Subsidiary risk** -**Packing group** III**Environmental hazards****Marine pollutant** Yes**EmS** F-A, S-G**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not applicable.**DOT****IATA; IMDG**

**Marine pollutant**



**General information**

DOT Regulated Marine Pollutant. IMDG Regulated 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.

**SARA 304 Emergency release notification**

Not regulated.

**US OSHA Hazard Categories (1)**

Not regulated.

**US OSHA Hazard Categories (2)**

Not regulated.

**US OSHA Hazard Categories (3)**

Not regulated.

**US OSHA Hazard Categories (4)**

Not regulated.

**US OSHA Hazard Categories (5)**

Not regulated.

**US OSHA Hazard Categories (6)**

Not regulated.

**US OSHA Hazard Categories (7)**

Not regulated.

**US OSHA Hazard Categories (8)**

Not regulated.

**US OSHA Hazard Categories (9)**

Not regulated.

**US OSHA Hazard Categories (10)**

Not regulated.

**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**

Yes

**Hazardous chemical**

**SARA 313 (TRI reporting)**

| Chemical name | CAS number | % by wt. |
|---------------|------------|----------|
| NAPHTHALENE   | 91-20-3    | 100      |

**Other federal regulations**

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

NAPHTHALENE (CAS 91-20-3)

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

Not regulated.



**Clean Water Act (CWA) Section 112(r) (40 CFR 68.130)** Hazardous substance  
Priority pollutant  
Toxic pollutant

**Safe Drinking Water Act (SDWA)** Not regulated.

#### US state regulations

**US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)**  
Not listed.

**US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))**

NAPHTHALENE (CAS 91-20-3)

**US. Massachusetts RTK - Substance List**

NAPHTHALENE (CAS 91-20-3)

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

NAPHTHALENE (CAS 91-20-3)

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

NAPHTHALENE (CAS 91-20-3)

**US. Rhode Island RTK**

NAPHTHALENE (CAS 91-20-3)

**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**

NAPHTHALENE (CAS 91-20-3)

Listed: April 19, 2002

#### International Inventories

| Country(s) or region        | Inventory name   | On inventory (yes/no)* |
|-----------------------------|--|------------------------|
| Australia                   | Australian Inventory of Chemical Substances (AICS)                     | Yes                    |
| Canada                      | Domestic Substances List (DSL)   | Yes                    |
| Canada                      | Non-Domestic Substances List (NDSL)                                    | No                     |
| China                       | Inventory of Existing Chemical Substances in China (IECSC)             | Yes                    |
| Europe                      | European Inventory of Existing Commercial Chemical Substances (EINECS) | Yes                    |
| Europe                      | European List of Notified Chemical Substances (ELINCS)                 | No                     |
| Japan                       | Inventory of Existing and New Chemical Substances (ENCS)               | Yes                    |
| Korea                       | Existing Chemicals List (ECL)  | Yes                    |
| New Zealand                 | New Zealand Inventory  | Yes                    |
| Philippines                 | Philippine Inventory of Chemicals and Chemical Substances (PICCS)      | Yes                    |
| 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)

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).

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

**Issue date** February-02-2016

**Version #** 01

**Further information** Refer to NFPA 654, Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids, for safe handling.

**Disclaimer** GFS Chemicals, Inc. cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.

**Revision information** Product and Company Identification: Product and Company Identification