

## 1. Identification

|                                                               |                                                                                                            |                       |  |
|---------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|-----------------------|--|
| <b>Product identifier</b>                                     | <b>SULFUROUS ACID, 6%, REAGENT (ACS)</b>                                                                   |                       |  |
| <b>Other means of identification</b>                          |                                                                                                            |                       |  |
| <b>Product code</b>                                           | 1109                                                                                                       |                       |  |
| <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>      | Not classified.                   |            |
| <b>Health hazards</b>        | Skin corrosion/irritation         | Category 1 |
|                              | Serious eye damage/eye irritation | Category 1 |
| <b>Environmental hazards</b> | Not classified.                   |            |
| <b>OSHA defined hazards</b>  | Not classified.                   |            |
| <b>Label elements</b>        |                                   |            |



|                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Signal word</b>                               | Danger                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Hazard statement</b>                          | Causes severe skin burns and eye damage. Causes serious eye damage.                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Precautionary statement</b>                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Prevention</b>                                | Do not breathe mist or vapor. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.                                                                                                                                                                                                                                                                                                                          |
| <b>Response</b>                                  | 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 or doctor/physician. Wash contaminated clothing before reuse. |
| <b>Storage</b>                                   | Store locked up. Store at temperatures not exceeding 20°C/68°F. Keep cool.                                                                                                                                                                                                                                                                                                                                                                                        |
| <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>                  | 8% of the mixture consists of component(s) of unknown acute oral toxicity. 8% of the mixture consists of component(s) of unknown acute dermal toxicity. 8% of the mixture consists of component(s) of unknown acute hazards to the aquatic environment. 8% of the mixture consists of component(s) of unknown long-term hazards to the aquatic environment.                                                                                                       |

## 3. Composition/information on ingredients

### Mixtures

| Chemical name  | Common name and synonyms | CAS number | %        |
|----------------|--------------------------|------------|----------|
| WATER          |                          | 7732-18-5  | 90 - 100 |
| SULFUR DIOXIDE |                          | 7446-09-5  | 5 - < 10 |

\*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>                                                           | Take 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.                                                                                 |
| <b>Eye contact</b>                                                            | Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician or poison control center immediately.                                                                                                              |
| <b>Ingestion</b>                                                              | 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.                                                                                                                            |
| <b>Most important symptoms/effects, acute and delayed</b>                     | 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.                                                                                              |
| <b>Indication of immediate medical attention and special treatment needed</b> | Provide general supportive measures and treat symptomatically. 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. Keep victim under observation. Symptoms may be delayed. |
| <b>General information</b>                                                    | Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.                                                                                                                                                                                             |

#### 5. Fire-fighting measures

|                                                                      |                                                                                                                                                                  |
|----------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Suitable extinguishing media</b>                                  | Use extinguishing agent suitable for type of surrounding fire. Water.                                                                                            |
| <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>                    | Irritating, corrosive and/or toxic gases or fumes will be released during a fire.                                                                                |
| <b>Special protective equipment and precautions for firefighters</b> | Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. |
| <b>Fire fighting equipment/instructions</b>                          | 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>                                          | No unusual fire or explosion hazards noted.                                                                                                                      |

#### 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. 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.                                                                                                                                                                                                   |
| <b>Methods and materials for containment and cleaning up</b>               | Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas. This product is miscible in water. Clean up in accordance with all applicable regulations.<br><br>Large Spills: Dike the spilled material, where this is possible. Neutralize spilled material with crushed limestone, soda ash or lime. Following product recovery, flush area with water.<br><br>Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.<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 discharge into drains, water courses or onto the ground.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

#### 7. Handling and storage

|                                      |                                                                                                                                                                                                                                                                                     |
|--------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Precautions for safe handling</b> | Open drum carefully as content may be under pressure. Do not breathe mist or vapor. Do not get in eyes, on skin, or on clothing. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. |
|--------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**Conditions for safe storage, including any incompatibilities**

Store locked up. Keep at temperatures between 10 and 20°C. Keep container closed. Handle containers with care. Open slowly in order to control possible pressure release. Store in a cool, well-ventilated area. Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS). Keep container tightly closed in a cool, well-ventilated place.

**8. Exposure controls/personal protection****Occupational exposure limits**

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

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

| Components                     | Type | Value             |
|--------------------------------|------|-------------------|
| SULFUR DIOXIDE (CAS 7446-09-5) | PEL  | 13 mg/m3<br>5 ppm |

**US. ACGIH Threshold Limit Values**

| Components                     | Type | Value    |
|--------------------------------|------|----------|
| SULFUR DIOXIDE (CAS 7446-09-5) | STEL | 0.25 ppm |

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

| Components                     | Type | Value             |
|--------------------------------|------|-------------------|
| SULFUR DIOXIDE (CAS 7446-09-5) | STEL | 13 mg/m3<br>5 ppm |
|                                | TWA  | 5 mg/m3<br>2 ppm  |

**Biological limit values**

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

**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** Wear safety glasses with side shields (or goggles) and a face shield.

**Skin protection**

**Hand protection** Wear appropriate chemical resistant gloves.

**Other** Wear appropriate chemical resistant clothing.

**Respiratory protection** In case of insufficient ventilation, wear suitable respiratory equipment. Chemical respirator with acid gas cartridge.

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

**General hygiene considerations**

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**

|                                                |                                                            |
|------------------------------------------------|------------------------------------------------------------|
| <b>Appearance</b>                              | Clear.                                                     |
| <b>Physical state</b>                          | Liquid.                                                    |
| <b>Form</b>                                    | Liquid.                                                    |
| <b>Color</b>                                   | Colorless.                                                 |
| <b>Odor</b>                                    | Sulfur dioxide odor.                                       |
| <b>Odor threshold</b>                          | Not available.                                             |
| <b>pH</b>                                      | Acidic.                                                    |
| <b>Melting point/freezing point</b>            | Not available.                                             |
| <b>Initial boiling point and boiling range</b> | SO2 readily released on heating<br>95 °F (35 °C) estimated |
| <b>Flash point</b>                             | Not available.                                             |
| <b>Evaporation rate</b>                        | Not available.                                             |
| <b>Flammability (solid, gas)</b>               | Not applicable.                                            |

**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 pressure** 430 mm Hg at 20 °C  
602 mm Hg at 30 °C

**Vapor density** 1.3 air = 1

**Relative density** Not available.

**Solubility(ies)**

**Solubility (water)** Miscible.

**Partition coefficient (n-octanol/water)** Not available.

**Auto-ignition temperature** Not available.

**Decomposition temperature** Not available.

**Viscosity** Not available.

**Other information**

**Density** 1.03 g/cm<sup>3</sup>

**Explosive properties** Not explosive.

**Molecular formula** H<sub>2</sub>SO<sub>3</sub> (SO<sub>2</sub>.H<sub>2</sub>O)

**Molecular weight** 82.08 g/mol

**Oxidizing properties** Not oxidizing.

**Percent volatile** 100 %

**Specific gravity** 1.03

**10. Stability and reactivity**

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

**Chemical stability** Stable at normal conditions. No hazardous self-reactivity.

**Possibility of hazardous reactions** Hazardous polymerization does not occur.

**Conditions to avoid** Contact with incompatible materials. Avoid temperatures above 20°C.

**Incompatible materials** Oxidizing agents. Aluminum. Halogens. Ammonia. Acetylides.

**Hazardous decomposition products** Pungent suffocating gas evolved.

**11. Toxicological information****Information on likely routes of exposure**

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

**Skin contact** Causes severe skin burns.

**Eye contact** Causes serious eye damage.

**Ingestion** Causes digestive tract burns.

**Symptoms related to the physical, chemical and toxicological characteristics** 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.

**Information on toxicological effects**

**Acute toxicity** Not known.

| Product | Species | Test Results |
|---------|---------|--------------|
|---------|---------|--------------|

SULFUROUS ACID

**Acute****Inhalation**

|      |            |
|------|------------|
| LC50 | Guinea pig |
|------|------------|

9040 mg/l

| Components                     | Species    | Test Results        |
|--------------------------------|------------|---------------------|
| SULFUR DIOXIDE (CAS 7446-09-5) |            |                     |
| <b>Acute</b>                   |            |                     |
| <b>Inhalation</b>              |            |                     |
| LC50                           | Guinea pig | 1000 ppm, 20 Hours  |
|                                |            | 1000 mg/l, 20 Hours |
|                                |            | 130 ppm, 154 Hours  |
|                                |            | 130 mg/l, 154 Hours |
|                                | Mouse      | 1000 ppm, 4 Hours   |
|                                |            | 1000 mg/l, 4 Hours  |
|                                |            | 150 ppm, 847 Hours  |
|                                |            | 150 mg/l, 847 Hours |

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

|                                                                       |                                                                                                                  |
|-----------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| <b>Skin corrosion/irritation</b>                                      | Causes severe skin burns and eye damage.                                                                         |
| <b>Serious eye damage/eye irritation</b>                              | Causes serious eye damage.                                                                                       |
| <b>Respiratory or skin sensitization</b>                              |                                                                                                                  |
| <b>Respiratory sensitization</b>                                      | Not a respiratory sensitizer.                                                                                    |
| <b>Skin sensitization</b>                                             | This product is not expected to cause skin sensitization.                                                        |
| <b>Germ cell mutagenicity</b>                                         | No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic. |
| <b>Carcinogenicity</b>                                                | Not classifiable as to carcinogenicity to humans.                                                                |
| <b>IARC Monographs. Overall Evaluation of Carcinogenicity</b>         |                                                                                                                  |
| SULFUR DIOXIDE (CAS 7446-09-5)                                        | 3 Not classifiable as to carcinogenicity to humans.                                                              |
| <b>OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)</b> |                                                                                                                  |
| Not regulated.                                                        |                                                                                                                  |
| <b>US. National Toxicology Program (NTP) Report on Carcinogens</b>    |                                                                                                                  |
| Not listed.                                                           |                                                                                                                  |
| <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 an aspiration hazard.                                                                                        |
| <b>Chronic effects</b>                                                | Prolonged inhalation may be harmful.                                                                             |

## 12. Ecological information

|                                      |                                                                                                                                                                                                    |
|--------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Ecotoxicity</b>                   | 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. |
| <b>Persistence and degradability</b> | None known.                                                                                                                                                                                        |
| <b>Bioaccumulative potential</b>     | No data available.                                                                                                                                                                                 |
| <b>Mobility in soil</b>              | No data available.                                                                                                                                                                                 |
| <b>Other adverse effects</b>         | 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

|                                              |                                                                                                                                                                                                                                                                          |
|----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Disposal instructions</b>                 | Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations. Neutralize with soda ash/slaked lime and discharge to sewer with lots of water. |
| <b>Local disposal regulations</b>            | Dispose in accordance with all applicable regulations.                                                                                                                                                                                                                   |
| <b>Hazardous waste code</b>                  | The waste code should be assigned in discussion between the user, the producer and the waste disposal company.                                                                                                                                                           |
| <b>Waste from residues / unused products</b> | 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**

Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

**14. Transport information****DOT**

|                                     |                                                                         |
|-------------------------------------|-------------------------------------------------------------------------|
| <b>UN number</b>                    | UN1833                                                                  |
| <b>UN proper shipping name</b>      | Sulfurous acid                                                          |
| <b>Transport hazard class(es)</b>   |                                                                         |
| <b>Class</b>                        | 8                                                                       |
| <b>Subsidiary risk</b>              | -                                                                       |
| <b>Label(s)</b>                     | 8                                                                       |
| <b>Packing group</b>                | II                                                                      |
| <b>Special precautions for user</b> | Read safety instructions, SDS and emergency procedures before handling. |
| <b>Special provisions</b>           | B3, IB2, T7, TP2                                                        |
| <b>Packaging exceptions</b>         | 154                                                                     |
| <b>Packaging non bulk</b>           | 202                                                                     |
| <b>Packaging bulk</b>               | 242                                                                     |

**IATA**

|                                     |                                                                         |
|-------------------------------------|-------------------------------------------------------------------------|
| <b>UN number</b>                    | UN1833                                                                  |
| <b>UN proper shipping name</b>      | Sulphurous acid                                                         |
| <b>Transport hazard class(es)</b>   |                                                                         |
| <b>Class</b>                        | 8                                                                       |
| <b>Subsidiary risk</b>              | -                                                                       |
| <b>Packing group</b>                | II                                                                      |
| <b>Environmental hazards</b>        | No.                                                                     |
| <b>ERG Code</b>                     | 8L                                                                      |
| <b>Special precautions for user</b> | Read safety instructions, SDS and emergency procedures before handling. |
| <b>Other information</b>            |                                                                         |
| <b>Passenger and cargo aircraft</b> | Allowed with restrictions.                                              |
| <b>Cargo aircraft only</b>          | Allowed with restrictions.                                              |

**IMDG**

|                                     |                                                                         |
|-------------------------------------|-------------------------------------------------------------------------|
| <b>UN number</b>                    | UN1833                                                                  |
| <b>UN proper shipping name</b>      | SULPHUROUS ACID                                                         |
| <b>Transport hazard class(es)</b>   |                                                                         |
| <b>Class</b>                        | 8                                                                       |
| <b>Subsidiary risk</b>              | -                                                                       |
| <b>Packing group</b>                | II                                                                      |
| <b>Environmental hazards</b>        |                                                                         |
| <b>Marine pollutant</b>             | No.                                                                     |
| <b>EmS</b>                          | F-A, S-B                                                                |
| <b>Special precautions for user</b> | 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 established.

**DOT**



## 15. Regulatory information

### US federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

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

Not regulated.

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

Not listed.

#### SARA 304 Emergency release notification

SULFUR DIOXIDE (CAS 7446-09-5)

500 LBS

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

Not regulated.

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

#### Hazard categories

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

#### SARA 302 Extremely hazardous substance

| Chemical name  | CAS number | Reportable quantity (pounds) | Threshold planning quantity (pounds) | Threshold planning quantity, lower value (pounds) | Threshold planning quantity, upper value (pounds) |
|----------------|------------|------------------------------|--------------------------------------|---------------------------------------------------|---------------------------------------------------|
| SULFUR DIOXIDE | 7446-09-5  | 500                          | 500                                  |                                                   |                                                   |

#### SARA 311/312

No

#### Hazardous 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)

SULFUR DIOXIDE (CAS 7446-09-5)

#### Safe Drinking Water Act (SDWA)

Not regulated.

#### FEMA Priority Substances Respiratory Health and Safety in the Flavor Manufacturing Workplace

SULFUR DIOXIDE (CAS 7446-09-5)

High priority

### US state regulations

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

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

SULFUR DIOXIDE (CAS 7446-09-5)

Listed: July 29, 2011

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

SULFUR DIOXIDE (CAS 7446-09-5)

### 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                     |

| Country(s) or region        | Inventory name                                                         | On inventory (yes/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** August-28-2013

**Revision date** June-21-2017

**Version #** 02

**Disclaimer** 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. 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** This document has undergone significant changes and should be reviewed in its entirety.