



OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

May 16, 2024

Michael Kellogg
Agent
Snowden Enterprises, Inc.
c/o Pyxis Regulatory Consulting Inc.
4110 136th St. Ct. NW
Gig Harbor, WA 98332

Subject: Notification per PRN 98-10 – Added English translation for Spanish signal word and statement.
Product Name: The Fruit Doctor Compressed Sulfur Dioxide
EPA Registration Number: 11195-1
Application Date: 03/27/2023
Case Number: 481511

Dear Michael Kellogg:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10.

The label submitted with the application has been stamped “NOTIFICATION” and placed in our records.

Should you wish to add/retain a reference to the company’s website on your label, then please be aware that the website becomes labeling under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) lists examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA’s Office of Enforcement and Compliance.

If you have any questions, please contact Senedu Alemu at alemu.senedu@epa.gov.

Sincerely,

A handwritten signature in black ink, appearing to be 'CGP', with a long horizontal flourish extending to the right.

For

Cynthia Giles-Parker
Chief, Fungicide Branch
Registration Division (7505T)
Office of Pesticide Programs

RESTRICTED USE PESTICIDE

Due to corrosive effects during inhalation and to eyes and skin.

For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's Certifications.

SULFUR DIOXIDE | **GROUP** | **M2** | **FUNGICIDE**



NOTIFICATION

11195-1

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

05/16/2024

THE FRUIT DOCTOR

COMPRESSED SULFUR DIOXIDE

READ AND UNDERSTAND THE

ENTIRE LABEL BEFORE USING THIS PRODUCT.

ACTIVE INGREDIENT: Sulfur Dioxide..... 100%

KEEP OUT OF REACH OF CHILDREN

DANGER PELIGRO

~~PRECAUCION AL USUARIO: Si usted no lee ingles, no use este producto hasta que la etiqueta le haya sido explicado ampliamente.~~

AVISO PARA EL USUARIO: Si no lee inglés, no use este producto hasta que se le haya explicado completamente la etiqueta.

(NOTICE TO USER: If you do not read English, do not use this product until the label has been fully explained to you.)

See inside label booklet for additional Precautionary Statements and Directions for Use including Storage and Disposal instructions.

FIRST AID

If in eyes:	<ul style="list-style-type: none">– Hold eye open and rinse slowly and gently with water for 15-20 minutes.– Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.– Call a poison control center or doctor for treatment advice.
If on skin or clothing:	<ul style="list-style-type: none">– Take off contaminated clothing.– Rinse skin immediately with plenty of water for 15-20 minutes.– Call a poison control center or doctor for treatment advice.
If swallowed:	<ul style="list-style-type: none">– Call a poison control center or doctor immediately for treatment advice.– Have person sip a glass of water if able to swallow.– Do not induce vomiting unless told to by a poison control center or doctor.– Do not give anything by mouth to an unconscious person.
If inhaled	<ul style="list-style-type: none">– Move person to fresh air.– If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.– Call a poison control center or doctor for treatment advice.

HOT LINE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. In the event of a medical emergency, you may contact the poison control center at 1-800-222-1222.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

EPA REG. No. 11195-1

EPA EST. No. 11195-CA-1 or 2

Manufactured for: **Snowden Enterprises, Inc.**, P.O. Box 751, Fresno, California 93712

Net Contents: (See Attached Tag for Pounds Sulfur Dioxide Net Contents)

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
DANGER - PELIGRO

Corrosive. Liquid causes irreversible freeze damage to the eye. Liquid causes freeze burns to exposed skin. May be fatal if swallowed. Harmful if absorbed through skin. Harmful if inhaled. Do not get in eyes, on skin, or on clothing. Avoid breathing vapor. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

Sulfur dioxide is an eye, nose, and throat irritant even at low levels. If tearing or upper respiratory tract irritation symptoms occur, leave fumigation area immediately. Avoid exposure to the product if you have a history of respiratory problems.

Conduct medical assessments of applicators and other persons who will be regularly exposed to sulfur dioxide prior to employment and at 1 – 2 year intervals.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other Handlers must wear:

When making gas applications or checking connections, wear a minimum of a NIOSH-approved full facepiece respirator with acid gas cartridges or combination acid gas/organic vapor (OV) cartridges and combination N, R, or P filters; OR a NIOSH-approved gas mask with acid gas cartridges or combination acid gas/OV cartridges; OR a NIOSH-approved powered air purifying respirator with acid gas cartridges or combination acid gas/organic vapor cartridges and combination HE filters, in addition to chemical-resistant coveralls worn over long-sleeved shirt and long pants, sulfur dioxide-impervious (such as butyl rubber \geq 14 mils or neoprene \geq 14 mils) gloves, socks and chemical-resistant boots.

Respiratory Protection

Before moving or using this product, handlers must be trained how to use respirators which conform to OSHA requirements (described in 29 CFR Part 1910.134) and how to appropriately handle and use sulfur dioxide. If the concentration of sulfur dioxide in the worker area, as measured by an appropriate detection device such as a portable electronic gas detector or gas detection tube system, does not exceed 2.0 ppm, no respiratory protection is required. Follow the manufacturer's instructions provided with the measuring device for the detector's correct use.

If the 2.0 ppm concentration is exceeded at any time, all persons working in the fumigation area must wear a minimum of a NIOSH-approved full facepiece respirator with acid gas cartridges or combination acid gas/organic vapor (OV) cartridges and combination N, R, or P filters; OR a NIOSH-approved gas mask with acid gas cartridges or combination acid gas/OV cartridges; OR a NIOSH-approved powered air purifying

respirator with acid gas cartridges or combination acid gas/organic vapor cartridges and combination HE filters. If sulfur dioxide concentrations of 10 ppm are exceeded, or when concentrations are unknown, use either a supplied-air respirator (SAR) with NIOSH approval number prefix TC-19C, OR a self-contained breathing apparatus (SCBA) with NIOSH approval number TC-13F or combination air supplied/SCBA respirator must be used by all persons working in the fumigation area. **DO NOT** enter a high SO₂ concentration area using a short-term full-face respirator because these only have a limited capacity for protection. It is not possible for someone working in a high SO₂ concentration area to know when the limit of a full-face respirator has been reached.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. **DO NOT** reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This product is toxic to fish and wildlife. Do not spill or empty into streams, ponds or any other body of water. Do not contaminate water or wetlands by cleaning of equipment, disposal of wastes, or direct application.

PHYSICAL AND CHEMICAL HAZARDS

Sulfur dioxide is a non-flammable, whitish colored gas of pungent odor. Corrosive in presence of water. Do not spray water on any leaking container. Water will make product corrosive and may increase venting. Sulfur dioxide can be sensed by taste at low level concentrations.

DIRECTIONS FOR USE RESTRICTED USE PESTICIDE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

This fumigant is a hazardous material and must be used only by individuals trained in its proper use. Before using, you must read and obey all label restrictions and directions.

All persons working with this fumigant must be knowledgeable about the hazards, and trained in the use of required respirator equipment and appropriate detection devices such as a portable electronic gas detector or gas detection tube system, emergency procedures, and proper use of the fumigant.

When used for fumigation of enclosed spaces (e.g., warehouses, cold storage rooms, trucks, van, boxcars, and other transport vehicles), it is important to follow requirements for applying Category I materials. Snowden Enterprises' advises that two persons trained in the use of this product be present at all times during introduction of the fumigant through the aeration period. Monitor the area for SO₂ level when SO₂ gassing is occurring.

POSTING OF FUMIGATION SITES

Before fumigation, the applicator must post markings at all entrances to the fumigated areas with signs bearing the following statements in English and Spanish:

1. The signal word DANGER/PELIGRO in 2" letters and the skull and crossbones symbol.
2. The statement, "Area under fumigation, DO NOT ENTER/NO ENTRE."
3. The date and time of fumigation.
4. Name of fumigant used.
5. Name, address, and telephone number of the applicator.

Any person who transfers a treated commodity to another site without aeration must ensure that the new site is posted until the air around the commodity is below the threshold concentration (2.0 ppm).

Remove posted marking sign(s) when the concentration of sulfur dioxide in the treated site is below 2.0 ppm as determined by use of an appropriate detection device similar to a portable electronic gas detector or gas detection tube system.

RE-ENTRY AFTER FUMIGATION

After fumigation, treated areas must be undisturbed until the level of sulfur dioxide is at or below 2.0 ppm as determined by use of an appropriate detection device similar to a

portable electronic gas detector or gas detection tube system. If a sulfur dioxide concentration of 2 ppm is exceeded at any time, all persons working in the fumigation area must wear a minimum of a NIOSH-approved full facepiece respirator with acid gas cartridges or combination acid gas/organic vapor (OV) cartridges and combination N, R, or P filters; OR a NIOSH-approved gas mask with acid gas cartridges or combination acid gas/OV cartridges; OR a NIOSH-approved powered air purifying respirator with acid gas cartridges or combination acid gas/organic vapor cartridges and combination HE filters. If sulfur dioxide concentrations of 10 ppm are exceeded, or when concentrations are unknown, use either a supplied-air respirator (SAR) with NIOSH approval number prefix TC-19C, OR a self-contained breathing apparatus (SCBA) with NIOSH approval number TC-13F or combination air supplied/SCBA respirator must be used by all persons working in the fumigation area.

SITE-SPECIFIC FUMIGATION MANAGEMENT PLAN (FMP)

Prior to fumigating, the certified applicator supervising the fumigation must verify that a site-specific fumigation management plan (FMP) exists. The FMP is intended to ensure a safe and effective fumigation. The certified applicator in charge of the fumigation is responsible for working with the owners and/or responsible employees of the site to be fumigated to develop a site-specific FMP. The certified applicator supervising the fumigation must ensure that the FMP is up-to-date and applicable to the fumigation before it takes place.

Before the start of any fumigation, the certified applicator supervising the fumigation must verify in writing (sign and date) that the FMP reflects current site conditions and that it addresses all elements identified in this labeling.

For situations where an initial FMP is developed and certain elements do not change for the fumigation, only elements that have changed need to be updated in the site-specific FMP provided that the certified applicator supervising the application has verified that those elements are current and applicable to the fumigation site before the fumigation begins, and record-keeping requirements are followed for the entire FMP (including elements that do not change).

The FMP must document the characteristics of the site, the treatment and aeration area and appropriate monitoring and notification requirements consistent with, but not limited to, the following:

1. The Certified Applicator, or a person under his/her supervision, must inspect the application site to determine its suitability for fumigation. The application site consists of the treatment area and any structure that the treatment area is inside of.
2. Before fumigating, the Certified Applicator, or a person under his/her supervision, must assess the application site for any changes since the last application that could affect the efficacy or safety of the fumigation. This assessment must include a review of the most recent fumigation log from the application site and the most

recent monitoring data from adjacent, occupied buildings, where such documents are available. In addition, the Certified Applicator, or a person under his/her supervision, must consult the site manager regarding changes to the application site monthly or, if no fumigation has occurred at the application site for a month or more, upon resumption of fumigation activities.

If the Certified Applicator determines, based on this assessment, that modifications to the application site are required to ensure efficacy or safety, the basis for this conclusion, and confirmation that the modifications were made prior to fumigation, shall be recorded.

3. The Certified Applicator, or a person under his/her supervision, prior to each fumigation must review any available existing FMPs, SDS, sulfur dioxide label and other relevant safety procedures for the specific location or site, and consult with owners or site manager (whose structure or commodity is fumigated) and appropriate employees, if available.
4. The Certified Applicator, or a person under his/her supervision, must develop an appropriate exterior monitoring plan to ensure that nearby handlers and bystanders are not exposed to levels above the allowed limits during fumigation and aeration and consult with owners or site managers, if available.
5. The Certified Applicator, or a person under his/her supervision, must develop procedures for notification of local emergency responders in the event of an emergency ("Emergency Response Plan") and consult with owners or site managers, if available. The Emergency Response Plan must comply with all requirements established by local emergency responders while remaining consistent with label requirements.

If local emergency responders have not established any requirements, or if requirements are minimal or contradict the label, then the plan shall still include, at a minimum, instructions on the persons or entities to contact if: (1) there is a spill, leak, equipment failure, or other emergency at the application site during a fumigation that presents a risk to humans or domestic animals; or (2) anyone at the application site is experiencing symptoms of exposure.

The Certified Applicator, or a person under his/her supervision, must consult with local emergency responders at least annually to confirm that the Emergency Response Plan conforms to their requirements, or, in the absence of such requirements, that the Emergency Response Plan contains the correct contact information.

6. The Certified Applicator, or a person under his/her supervision, must confirm the placement of warning placards around the fumigation site as described on the label.
7. The Certified Applicator, or a person under his/her supervision, must document the following:

- a. Credentials of the Certified Applicator in charge when the fumigant was introduced and when final clearance testing was completed (if different)
- b. Credentials and/or names and contact information of all personnel members part of the fumigation/aeration prior to the induction of the fumigant and at the time the commodity is aerated (if different)
- c. The amount of fumigant introduced into the treatment area
- d. Date and time of the fumigant introduction
- e. Date and time final clearance testing completed

This information may be documented on a form designated for this purpose or on supplemental documents such as those identified below, provided that each data point is documented in at least one location.

8. The Certified Applicator, or a person under his/her supervision, must confirm the required safety and monitoring/clearance equipment (including equipment required for entry into an area under fumigation) is in place and the necessary, trained fumigation handlers are available to complete a safe, effective fumigation.

Elements of the FMP may be fulfilled through the use of supplemental documents such as fumigation logs, service reports, pesticide application records, facility maps, facility emergency plans, state or federally required forms, and other supplemental documents prepared for or used during the actual fumigation.

COMMODITY FUMIGATION DIRECTIONS

Follow all safety procedures specified on this label.

This product may be applied to the commodity in enclosed stationary spaces (fumigation, pre-cooling, or cold storage rooms). Applications may be made to the commodity in the following transport vehicles: trucks, vans, trailers, and railcars.

Use Restrictions

- Do not apply/aerate in a manner to allow drift onto areas occupied by unprotected humans or beneficial animals. Do not release fumigant into occupied work area.
- Do not apply so that liquid sulfur dioxide will come in contact with the fruit. Liquid sulfur dioxide on the fruit will cause bleaching of grapes. Operate enough fans in the fumigation space to volatilize all of the liquid sulfur dioxide and provide a uniform concentration throughout the room. Move an air volume of at least 0.5 times the volume of the fumigated space during each minute of gassing.

- When treating grapes for *Botrytis cinerea* (bunch rot/gray mold) or black widow spider in a warehouse fumigation chamber, do not release treated air into the atmosphere containing concentrations of sulfur dioxide in excess of 30 ppm (as determined by an appropriate detection device).
- Do not perform sulfur dioxide aerations concurrently from multiple chambers.

For the application, load the commodity to be fumigated into the treatment space. Orient lug boxes such that the openings in each box are aligned with openings in the other boxes to promote airflow through the fruit in the boxes. Stack pallets of fruit to promote airflow between them. Turn on circulating fans, close all vents, exhaust ports, and vents into the space. Vaporize the liquid sulfur dioxide by releasing the liquid SO₂ into the house hose system used for SO₂. Duct the hoses into open spaces where air movement is unrestricted. If spraying in front of blower or fan equipment, be sure none is splashed onto the equipment or severe corrosion will result.

BLUEBERRIES

Place the containers with fruit into the chamber where gas will be released. Apply sulfur dioxide gas at 0.25% gas concentration (2,500 ppm) based on measured volume of the chamber for 24 hours at approximately 32°F. This treatment may be applied up to 3 times during storage. Blueberries may be fumigated on a 7-day interval.

RESTRICTIONS

- **MAINTENANCE FUMIGATION: DO NOT** exceed 0.25% gas concentration (2,500 ppm) based on measured volume of the cold storage room or fumigation chamber.

GRAPES

For post-harvest use only on grapes held in cold storage to suppress spread of grey mold disease caused by *Botrytis cinerea*. Minimize conditions that promote grey mold similar to bruised or crushed berries, excess bunch shatter, etc.

RESTRICTIONS

- **DO NOT** fumigate grapes more than 12 times.
- **DO NOT** fumigate grapes more than once in a 7 to 10-day interval.
- **MAINTENANCE FUMIGATION: DO NOT** exceed 0.25% gas concentration (2,500 ppm) based on measured volume of the cold storage room or fumigation chamber.

WAREHOUSE FUMIGATION AND STORAGE

APPLICATION TIMING: Fumigate with SO₂ as soon after harvest as is practical. For fruit to be stored for extended periods, fumigate with SO₂ for the initial gassing on the day of harvest and follow on a 7-10 day interval. For fruit being shipped to market soon after harvest, fumigate with SO₂ before shipment, or in transit, if fruit has been gassed

three (3) or fewer times. For fruit gassed in the warehouse more than three times, allow 12 or more hours to elapse before shipment.

RATE OF APPLICATION: It is not a use inconsistent with this label to use less than directed amounts. However, using less than the stated rates may reduce efficacy.

INITIAL FUMIGATION: Use $\frac{3}{4}$ to 1% gas concentration based on measured volume of the cold storage room or fumigation chamber.

MAINTENANCE FUMIGATION: Use 200 – 2,500 ppm based on measured volume of the cold storage room or fumigation chamber. Do not exceed 0.25% gas concentration (2,500 ppm) based on measured volume of the cold storage room or fumigation chamber. Do not fumigate grapes more than 12 times. Do not fumigate grapes more than once in a 7 to 10-day interval.

TREATMENT TIME: Once the gas is initially introduced into the room, fumigate for 20-30 minutes. Terminate fumigation by venting the room or scrubbing the recirculated air. It is essential that venting be started at or before 30 minutes after gassing initiation or excess residue may result. When venting is initiated, vigorous air movement is required to either exhaust the SO₂ through a vent or vents on the roof, or through a water scrubber. Venting or scrubbing must draw all SO₂ saturated air from the spaces between the berries within the following 20-30 minutes. This requires complete air movement and air replacement in the room at the rate of at least 0.1 to 0.3 of the cubic volume of the room per minute for a duration of 20-30 minutes. Periodically check exhaust fan capacity to ensure air replacement of at least 0.1 to 0.3 (or greater) of the cubic volume of the room per minute. If a water scrubber system is used, it is essential that sufficient scrubbing surface is available to remove the SO₂ from the recirculating air to equal the rate of removal by direct venting.

APPLICATION – COLD STORAGE ROOM OR FUMIGATION CHAMBER:

Obtain from Snowden Enterprises, Inc., or a designated distributor a pre-weighed filled cylinder that has been filled for a predesignated measured room (the filling weight is based on the room size).

Connect the cylinder to a previously validated gassing system installed in a designated room. When everything is ready for fumigation, open the valve and leave it open until the cylinder is empty. Close the valve and uncouple the cylinder from the system. If present, replace valve hood and valve outlet cap. Return the cylinder to a secure location properly labeled for Category 1 Pesticides. Return empty and/or partial cylinders only after consulting Snowden Enterprises, Inc., for proper shipping instructions.

TOTAL UTILIZATION

APPLICATION TIMING: Fumigate with SO₂ as soon after harvest as is practical. For fruit to be stored for extended periods, fumigate with SO₂ for the initial gassing on the day of harvest and follow on a 7 - 10 day interval.

INITIAL FUMIGATION: Use ¾ to 1% gas concentration based on the measured volume of the cold storage room.

MAINTENANCE FUMIGATION: Use 200 – 2,500 ppm based on measured volume of the cold storage room or fumigation chamber. Do not exceed 0.25% gas concentration (2,500 ppm) based on measured volume of the cold storage room or fumigation chamber. Do not fumigate grapes more than 12 times. Do not fumigate grapes more than once in a 7 to 10-day interval.

TREATMENT TIME: Gas treatment will last until the room concentration is determined by measurement to be below 2.0 ppm. Vigorous air movement is required during gassing and for approximately 30 minutes following gas introduction. No venting is required with this procedure.

APPLICATION COLD STORAGE ROOM: Obtain from Snowden Enterprises, Inc., or a designated distributor a pre-weighed, filled cylinder that has been filled for a predesignated measured room (the filling weight is based on the room size). Connect the cylinder to a previously validated gassing system installed in a designated room. When everything is ready for fumigation, open the valve and leave it open until the cylinder is empty. Close the valve and uncouple the cylinder from the system. If present, replace valve hood and valve outlet cap. Return the cylinder to a secure location properly labeled for Category 1 Pesticides. Return empty and/or partial cylinders only after consulting Snowden Enterprises, Inc., for proper shipping instructions.

IN-HOUSE FOLLOW-UP PROCEDURE: If you use this method, it is a requirement of this gassing method to examine your fruit for mold growth for the duration of cold storage. Examine fruit at least once weekly.

FUMIGATION OF GRAPES IN TRANSPORTATION VEHICLES (REFRIGERATOR TRUCKS, REFRIGERATED CONTAINERS, AND REFRIGERATED RAILCARS)

Use Restrictions:

- When treating grapes in a truck, trailer or other transport vehicle, do not release treated air into atmosphere containing concentrations of sulfur dioxide in excess of 2 ppm (as determined by an appropriate detection device such as a portable electronic gas detector or gas detection tube system).
- Transportation vehicles fumigated with sulfur dioxide must be held for 24 hours and sulfur dioxide concentration in transport vehicles must be below 2 ppm before moving over public roads or highways.

- Ensure truck is on a level surface to prevent back flow of liquid sulfur dioxide through the floor drain.

REFRIGERATED TRUCKS & CONTAINERS – FULL LOAD

1. Attach 2 ft. poly-flo plastic to right or left pallet stringer. Use only Snowden provided plastic staples or Arrow T-25M Stapler with 9/16” staples. Hose **MUST BE SECURE**. Additional staples may be required.
2. Insert brass receptacle on rubber hose into end of poly-flo plastic securely.
3. Insert knurled end of hose down floor drain. Close doors.
4. Connect knurled end of hose finger tight to cylinder.
5. Turn cylinder upside down. Open slowly. Discharge completely (approximately 1 – 2 minutes).
6. When empty, close valve. Disconnect hose. Pull hose straight down from drain hole, releasing it from poly-flo plastic for reuse.

REFRIGERATED TRUCKS & CONTAINERS – PARTIAL LOAD

1. Close doors. Insert pipe up through drain hole.
2. Connect knurled end of hose finger tight to cylinder.
3. Turn cylinder upside down. Open slowly. Discharge completely (approximately 1 – 2 minutes).
4. When empty, close valve. Remove pipe from drain hole for reuse.

REFRIGERATED RAILCAR

1. Insert pipe into door opening at floor level. Close doors leaving hose outside.
2. Connect knurled end of hose finger tight to cylinder.
3. Turn cylinder upside down. Open slowly. Discharge completely (approximately 1 – 2 minutes).
4. When empty, close valve. Disconnect.
5. Remove pipe from doors.

FOR USE IN CLEANING BARRELS USED IN WINE PRODUCTION – Fumigate barrels to minimize effects of non-public health fungi and/or bacteria prior to the introduction of grape juice for wine production.

For wooden barrels used for wine aging:

1. Rinse inside of barrels with a solvent selected by the winery (e.g. soap, water, etc.) and air dried.
2. Gas barrels - Using Gas Cylinder only (no eduction tube) and a barrel gassing unit with a pressure gauge provided by Snowden Enterprises, Inc. or a designated distributor. Ensure pressure in the cylinder is between 18-45 psi. Begin treatment by removing bung from barrel, insert SO₂ probe into the barrel and open the valve for 2-3 seconds. Now close the valve, extract the SO₂ probe and replace bung. Insert the SO₂ probe into the next barrel following the same procedure until all barrels are treated OR the

pressure in the cylinder falls below 18 psi. If the cylinder pressure falls below 18 psi, change to another Gas Cylinder and continue gassing process as described.

NOTE TO USER: If a liquid SO₂ cylinder (with education tube) is used, the barrel will be damaged.

The SO₂ cylinders have fusible plugs (heat sensitive plugs) rated at 165°F. **DO NOT** expose cylinders to a heat source, including hot water. Doing so may rapidly release all of the SO₂ from the tank. If this happens, evacuate the work area until the air in the work area is shown to contain 2 ppm or less SO₂ or proper breathing apparatus is used.

After treatment, set cleaned barrels aside for 1-30 days. If barrels were gassed more than 30 days previously, they need to be re-gassed. When barrels are being gassed, device readings must occasionally be made using an appropriate detection device such as a portable electronic gas detector or gas detection tube system to assure that the SO₂ concentration in the gassing or work area does not exceed 2 ppm. If the work area readings are above 2 ppm, workers in the area must wear a minimum of a NIOSH-approved full facepiece respirator with acid gas cartridges or combination acid gas/organic vapor (OV) cartridges and combination N, R, or P filters; OR a NIOSH-approved gas mask with acid gas cartridges or combination acid gas/OV cartridges; OR a NIOSH-approved powered air purifying respirator with acid gas cartridges or combination acid gas/organic vapor cartridges and combination HE filters or leave the work area until the atmosphere is shown to be at or below 2 ppm by an appropriate detection device such as a portable electronic gas detector or gas detection tube system. If sulfur dioxide concentrations of 10 ppm are exceeded, or when concentrations are unknown, use either a supplied-air respirator (SAR) with NIOSH approval number prefix TC-19C, OR a self-contained breathing apparatus (SCBA) with NIOSH approval number TC-13F or combination air supplied/SCBA respirator must be used by all persons working in the fumigation area. **DO NOT** enter a high SO₂ concentration area using a short-term full-face respirator because these only have a limited capacity for protection. It is not possible for someone working in a high SO₂ concentration area to know when the limit of a full-face respirator has been reached.

FUMIGATING CORKS USED IN WINE PRODUCTION

For corks used in wine production: Fumigate the cork to reduce effects of non-public health fungal or bacterial growth prior to corking bottles to minimize contamination of the wine in the bottle.

To fumigate cork bags, use a Gas Cylinder only (no education tube) and cork bag gassing unit equipped with or without a vacuum sealer. The Gas Cylinder and pressure gauge are provided by Snowden Enterprises, Inc. or a designated distributor. Ensure pressure in the cylinder is between 18-45 psi. Begin treatment by placing a plastic bag into the cork loading equipment, fill the bag with corks, begin the heat sealing process, introduce SO₂ gas for 2-3 seconds, and complete the heat sealing process. If the cylinder pressure falls below 18 psi, change to another Gas Cylinder and continue the gassing process. Fumigated corks may be used the day following SO₂ gassing. Any bags thus treated must be labeled as "SO₂ treated".

STORAGE AND DISPOSAL, SPILL AND LEAK PROCEDURES

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

Pesticide Storage – Store in a secure location properly labeled for Category I pesticides. Store cylinders upright, secured to a rack or wall or placed in specially designed cases to prevent tipping. Do not subject cylinders to rough handling or mechanical shock such as dropping, bumping, dragging, or sliding. Do not use rope slings, hooks, tongs, or similar devices to unload cylinders. Do not store near flammable material, near the inlet of a ventilating or air conditioning unit, near any source of direct heat, nor in a subsurface location. Before use, locate the cylinder labeled for the room to be fumigated, which will show the room number and weight of SO₂ in the container, move this container to the room matched to the container for fumigation. If present, do not remove valve hood and valve outlet cap until immediately before use. If present, replace valve hood and valve outlet cap when not in use.

Pesticide Disposal – Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of according to label instruction, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Container Handling - Refillable container. Refill this container with sulfur dioxide only. Do not reuse this container for any other purpose. When cylinder is empty after use, close valve by turning to the right until tight, disconnect lines and, if present, replace valve hood and valve outlet cap before returning to supplier. Do not use cylinders for any other purpose. Only Snowden Enterprises, Inc. is authorized to refill cylinders. After cylinder is empty and the valves are closed and uncoupled from the system, return cylinder to a secure location properly labeled for Category 1 Pesticides. Return empty and/or partial cylinders only after consulting Snowden Enterprises, Inc., for proper shipping instructions.

Spill and Leak Procedures – Evacuate immediate area of spill or leak. Use a NIOSH - approved self-contained breathing apparatus (SCBA) or combination air supplied/SCBA respirator for entry into affected area to correct problem. Move leaking or damaged cylinders outdoors or to an isolated location, observing strict safety precautions. Work upwind if possible. Allow spill to evaporate. Do not permit entry into spill area by unprotected persons until concentration of sulfur dioxide is determined to be less than 2.0 ppm as determined by use of an appropriate detection device such as a portable electronic gas detector or gas detection tube system.

CONDITIONS OF SALE

1. Snowden Enterprises, Inc. warrants that this product consists of the ingredients specified and is reasonably fit for the purpose stated on this label when used in accordance with the directions under normal conditions of use. No one other than an officer of Snowden Enterprises, Inc. is authorized (and such authorization must be in writing) to make any other warranty, guarantee or direction concerning this product.
2. Because the time, place, rate of application, weather conditions and normal or abnormal conditions of use or storage are beyond Snowden Enterprises, Inc.'s control, to the extent consistent with applicable law, Snowden Enterprises, Inc.'s liability is limited to replacement of product or refund of purchase price. In no event shall Snowden Enterprises, Inc. be liable for indirect or consequential damages to the extent consistent with applicable law.

**[Small Cylinder Base Label –
small cylinders are packaged in
unit packaging of various sizes]**

RESTRICTED USE PESTICIDE

Due to corrosive effects during inhalation and to eyes and skin. For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's Certifications.

SULFUR DIOXIDE GROUP M2 FUNGICIDE



THE FRUIT DOCTOR

COMPRESSED SULFUR DIOXIDE

READ AND UNDERSTAND THE ENTIRE LABEL BEFORE USING THIS PRODUCT.

ACTIVE INGREDIENT: Sulfur Dioxide.....100%

**KEEP OUT OF REACH OF CHILDREN
DANGER PELIGRO**

~~PRECAUCION AL USUARIO: Si usted no lee ingles, no use este producto hasta que la etiqueta le haya sido explicado ampliamente.~~

AVISO PARA EL USUARIO: Si no lee inglés, no use este producto hasta que se le haya explicado completamente la etiqueta.

(NOTICE TO USER: If you do not read English, do not use this product until the label has been fully explained to you.)

**See accompanying label booklet for additional
Precautionary Statements and Directions for Use
including Storage and Disposal instructions.**

EPA REG. No. 11195-1
EPA EST. No. 11195-CA-1 or 2

Manufactured for:
Snowden Enterprises, Inc., P.O. Box 751, Fresno,
California 93712
Net Contents: (See Attached Tag for Pounds Sulfur
Dioxide Net Contents)

FIRST AID

If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. Call a poison control center or doctor for treatment advice. **If on skin or clothing:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice. **If swallowed:** Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor. Do not give anything by mouth to an unconscious person. **If inhaled:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for treatment advice. **HOT LINE NUMBER:** Have the product container or label with you when calling a poison control center or doctor, or going for treatment. In the event of a medical emergency, you may contact the poison control center at 1-800-222-1222. **NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage.

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC
ANIMALS
DANGER - PELIGRO**

Corrosive. Liquid causes irreversible freeze damage to the eye. Liquid causes freeze burns to exposed skin. May be fatal if swallowed. Harmful if absorbed through skin. Harmful if inhaled. Do not get in eyes, on skin, or on clothing. Avoid breathing vapor. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

Sulfur dioxide is an eye, nose, and throat irritant even at low levels. If tearing or upper respiratory tract irritation symptoms occur, leave fumigation area immediately. Avoid exposure to the product if you have a history of respiratory problems.

Conduct medical assessments of applicators and other persons who will be regularly exposed to sulfur dioxide prior to employment and at 1 – 2 year intervals.

[Large Cylinder Base Label]

RESTRICTED USE PESTICIDE

Due to corrosive effects during inhalation and to eyes and skin. For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's Certifications.

SULFUR DIOXIDE | **GROUP M2** | **FUNGICIDE**



THE FRUIT DOCTOR

COMPRESSED SULFUR DIOXIDE

READ AND UNDERSTAND THE ENTIRE LABEL BEFORE USING THIS PRODUCT.

ACTIVE INGREDIENT: Sulfur Dioxide..... 100%

KEEP OUT OF REACH OF CHILDREN

DANGER PELIGRO

PRECAUCION AL USUARIO: Si usted no lee inglés, no use este producto hasta que la etiqueta le haya sido explicado ampliamente.

AVISO PARA EL USUARIO: Si no lee inglés, no use este producto hasta que se le haya explicado completamente la etiqueta.

(NOTICE TO USER: If you do not read English, do not use this product until the label has been fully explained to you.)

See inside label booklet for Additional Precautionary Statements and Directions for Use including Storage and Disposal instructions.

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EPA REG. No. 11195-1

EPA EST. No. 11195-CA-1 or 2

Manufactured for: **Snowden Enterprises, Inc.**, P.O. Box 751, Fresno, California 93712

Net Contents: (See Attached Tag for Pounds Sulfur Dioxide Net Contents)

[EPA ~~Approval Date~~ [20230315](#)]