

89867-2



5/16/2014
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

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OFFICE OF
CHEMICAL SAFETY AND
POLLUTION PREVENTION

Cheryl Wagner, Agent for Airgas USA
c/o Wagner Regulatory Associates
PO Box 640
7217 Lancaster Pike, Suite A
Hockessin, DE 19707

MAY 16 2014

Subject: Label notification for Airgas Sulfur Dioxide
Submission date: 4/16/2014
Product Name: Airgas Sulfur Dioxide
EPA Reg. No.: 89867-2
EPA Decision Number: 490467

Dear Ms. Wagner,

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

The Agency acknowledges changes made to the product label in the following sections:

- Front cover descriptors
- Emergency numbers

The label submitted with the application has been stamped "Notification" and will be placed in our records. If you have questions concerning this letter, please contact Lindsay Roe at roe.lindsay@epa.gov or 703-347-0506.

Sincerely,

A handwritten signature in black ink that reads "Lindsay Roe for".

Tony Kish
Product Manager 22
Fungicide Branch
Registration Division (7505P)

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS & DOMESTIC ANIMALS
DANGER- PRESSURIZED LIQUID GAS-
HAZARDOUS VAPOR AND LIQUID-
LIQUID CAUSES BURNS OF SKIN AND EYES

Fatal if inhaled in high concentration. Do not breathe vapor. Persons with a history of respiratory problems should avoid exposure to the product. For handling activities in enclosed areas, use either a supplied-air respirator with NIOSH approval number prefix TC-19C, or a self-contained breathing apparatus (SCBA) with NIOSH approval number TC-13F. Corrosive. Causes irreversible eye damage. Do not get in eyes, on skin, or on clothing. Wear a full face-shield. Causes skin burns. Do not get in eyes, on skin, or on clothing. Wear long-sleeved shirt and long pants, and chemical resistant gloves and boots. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.
Pesticide Storage: Store in a locked, dry, level, well-ventilated area at normal room temperature. Cylinder temperature should not exceed 52°C (125°F). Post as a pesticide storage area. Do not store near flammable material, near the inlet of a ventilating or air conditioning unit, near any source of direct heat or in a subsurface location.
Store cylinders upright, secured to a rack wall to prevent tipping. Cylinders should not be subjected to rough handling or mechanical shock such as dropping, bumping, or similar devices to unload cylinders. Transport cylinders using a hand truck, fork truck, or other device to which the cylinder can be firmly secured.
Do not remove valve cap and safety outlet cap until immediately before use. Replace valve cap and safety outlet cap when cylinder is 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 by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA regional Office for guidance.
Container Disposal: Refillable container. Refill with sulfur dioxide only. Do not reuse this container for any other purpose. When cylinder is empty, close valve before returning to supplier. Only the registrant is authorized to refill cylinders. Do not use cylinders for any other purpose. Close cylinder valve by turning clockwise until hand tight. Disconnect lines. Return empty and/or partial cylinders only after consulting Airgas USA, LLC for proper shipping instructions.

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 by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA regional Office for guidance.

Container Disposal: Refillable container. Refill with sulfur dioxide only. Do not reuse this container for any other purpose. When cylinder is empty, close valve before returning to supplier. Only the registrant is authorized to refill cylinders. Do not use cylinders for any other purpose. Close cylinder valve by turning clockwise until hand tight. Disconnect lines. Return empty and/or partial cylinders only after consulting Airgas USA, LLC for proper shipping instructions.

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.

Airgas Sulfur Dioxide
Sulfur Dioxide
UN1079

☞ CAS # 7446-09-5

SO₂

Inhalation Hazard

This product is accompanied by an approved label and application manual. Read and understand the entire labeling (label and application manual) before using this product. Contact Airgas USA, LLC to obtain a replacement copy of the application manual.

ACTIVE INGREDIENT

Sulfur Dioxide	99.9%
OTHER INGREDIENTS	0.1%
TOTAL	100.0%

This product contains 12.0 lbs of SO₂ per gallon.

KEEP OUT OF REACH OF CHILDREN
DANGER PELIGRO



POISON

Harmful if swallowed. Do not swallow or inhale
Si usted no entiende la etiqueta, busque a alguien para que se la explique en detalle. (If you do not understand this label, find someone to explain it to you in detail.)

See additional Precautions in the Applications Manual

EPA REG. NO. 89867-2 EPA EST. NO. 9768-UT-1

Manufactured for:
AIRGAS USA, LLC, 259 N. Radnor-Chester Road, Radnor, PA 19087
www.airgas.com

80112 (R04/14)

FIRST AID

IF INHALED:

- Move person to fresh air.
- If person is not breathing, call 911 or an ambulance, then give artificial respiration. Trained personnel should administer oxygen as soon as possible.
- Seek medical attention immediately
- Call a poison control center or doctor for further treatment advice.

IF ON SKIN OR CLOTHING:

- Immediately flush contaminated skin with copious amounts of running water for at least 15 minutes. Continue as required to control burning sensation. Remove contaminated clothing while in shower to ensure irrigation of all contaminated skin.
- DO NOT apply any chemicals or ointments/lotions to damaged skin.
- Seek medical attention immediately. Call a poison control center or doctor for treatment advice.

IF IN EYES

- Check for and remove any contact lenses. Hold eye open and rinse gently with water for at least 15 minutes. Completely flush all eye and lid tissue.
- DO NOT apply any chemical or ointment to the eyes.
- Seek medical attention immediately. Call a poison control center or doctor for treatment advice.

IF SWALLOWED (Liquid Sulfur Dioxide)

- Immediately call a poison control center or doctor for treatment advice.
- Do not induce vomiting unless told to do so by a poison control center or doctor.
- Have person sip a glass of water if able to swallow.
- Do not give anything to an unconscious person.

NOTES: Have the product container or label with you when calling a poison control center or doctor, or going for treatment. Probable mucosal damage may contraindicate the use of gastric lavage.

EMERGENCY NUMBERS:

- Airgas at (866) 734-3438 (transportation and spills)
- (800) 222-1222 Poison Control Center (human health)
- (888) 426-4435 ASPCA (animal health)

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Restricted Use Pesticide
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Airgas Sulfur Dioxide

Sulfur Dioxide
UN1079
CAS No. 7446-09-5 SO₂
Inhalation Hazard

NOTIFICATION
MAY 16 2014

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FIRST AID

IF INHALED:

- Move person to fresh air.
- If person is not breathing, call 911 or an ambulance, then give artificial respiration. Trained personnel should administer oxygen as soon as possible.
- Seek medical attention immediately.
- Call a poison control center or doctor for further treatment advice.

IF ON SKIN OR CLOTHING:

- Immediately flush contaminated skin with copious amounts of running water for at least 15 minutes. Continue as required to control burning sensation. Remove contaminated clothing while in shower to ensure irrigation of all contaminated skin.
- DO NOT apply any chemicals or ointments/lotions to damaged skin.
- Seek medical attention immediately. Call a poison control center or doctor for treatment advice.

IF IN EYES:

- Check for and remove any contact lenses.
- Hold eye open and rinse slowly and gently with water for at least 15 minutes. Completely flush all eye and lid tissue.
- DO NOT apply any chemical or ointment to the eyes.
- Seek medical attention immediately. Call a poison control center or doctor for treatment advice.

IF SWALLOWED:

(LIQUID SULFUR DIOXIDE)

- Immediately call a poison control center or doctor for treatment advice.
- Do not induce vomiting unless told to do so by a poison control center or doctor.
- Have person sip a glass of water if able to swallow.
- Do not give anything by mouth to an unconscious person.

NOTES: Have the product container or label with you when calling a poison control center or doctor or going for treatment. Probable mucosal damage may contraindicate the use of gastric lavage.

EMERGENCY NUMBERS: Airgas at (866) 734-3438 (transportation and spills)
(800) 222-1222 Poison Control Center (human health)
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EPA Reg No. 89867-2

EPA Est. No. 9768-UT-1

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

Manufactured for: Airgas USA, LLC, 259 N. Radnor-Chester Road, Radnor, PA 19087

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PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
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Fatal if inhaled in high concentration. Do not breathe vapor. Persons with a history of respiratory problems should avoid exposure to the product. For handling activities in enclosed areas, use either a supplied-air respirator with NIOSH approval number prefix TC-19C, OR a self-contained breathing apparatus (SCBA) with NIOSH approval number TC-13F. Corrosive. Causes irreversible eye damage. Do not get in eyes or on clothing. Wear a full face-shield. Causes skin burns. Do not get in eyes, on skin, or on clothing.

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. Medical assessments of applicators and other persons who will be regularly exposed to sulfur dioxide should be conducted prior to employment and at 1-2 year intervals.

ENVIRONMENTAL HAZARDS

This product may be toxic to plants. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

PHYSICAL AND CHEMICAL HAZARDS

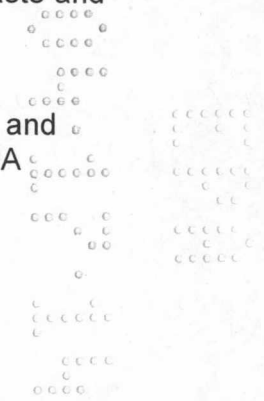
Sulfur dioxide is a non-flammable, whitish colored gas of pungent odor. Corrosive in presence of water. Do not spray water on any leaking container. Water will make product corrosive and may increase venting. Sulfur dioxide can be sensed by taste and odor at low level concentrations.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are Tyvek, Saranex, and butyl rubber. For more options, follow the instructions for category "A" on an EPA chemical-resistant category selection chart.

Applicators and other handlers must wear:

- Coveralls over long-sleeved shirt and long pants
- Chemical-resistant apron
- Chemical-resistant footwear plus socks
- Sulfur dioxide-resistant gloves, and
- Goggles or face shield



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When making gas applications or checking connections, wear a NIOSH/MSHA approved full face respirator with an organic-vapor removing cartridge, in addition to sulfur dioxide impervious gloves, boots and coveralls over long-sleeved shirt and long pants. Before moving or handling this product, handlers must be trained how to appropriately use respirators which conform to OSHA requirements (described in 29 CFR Part 1910.124) and how to appropriately handle and use sulfur dioxide.

If a sulfur dioxide concentration of 2 ppm is exceeded at any time, all persons working in the fumigation area must wear a NIOSH/MSHA approved full face respirator with an organic-vapor removing cartridge. If sulfur dioxide concentrations of 10 ppm are exceeded, or when concentrations are unknown, an approved self-contained breathing mask (SCBA) or combination air supplied SCBA respirator must be used by all persons working in the fumigation area.

Respirator requirements: When a respirator is required for use with this product, the certified applicator supervising the fumigation must ensure that:

- Respirators are fit tested and fit checked using a program that conforms to OSHA's requirements described in 29 CFR Part 1910.134.
- Respirator users are trained using a program that conforms with OSHA's requirements described in 29 CFR Part 1910.134.
- Respirator users have been examined by a qualified medical practitioner to ensure the physical ability to safely wear the style of respirator to be worn.
- Respirators are maintained according to a program that conforms to OSHA's requirements described in 29 CFR Part 1910.134.

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. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

MONITORING AIR CONCENTRATION LEVELS

The air concentration level must be measured by a direct reading sulfur dioxide detection device, such as a Draeger handpump, Sensidyne or Kitagawa syringe sampler. If respirator requirements are triggered as specified in the 'Respirator Requirements' section of this labeling, respiratory protection must continue for persons in the treatment area until two consecutive air concentration samples taken at least 15 minutes apart indicate sulfur dioxide air concentration levels of 2 ppm or less. If either of the two samples taken indicate sulfur dioxide air concentration level greater than 2 ppm, appropriate respiratory protection must continue until two additional air concentration samples taken at least 15 minutes apart indicate that sulfur dioxide air concentration levels are 2 ppm or less.

Recordkeeping:

Records must be kept of all sulfur dioxide air monitoring.

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USER SAFETY RECOMMENDATIONS:

User should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- 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.

**DIRECTIONS FOR USE
RESTRICTED USE PESTICIDE**

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

Use only to treat grapes for the fungus *Botrytis cinerea* in enclosed stationary spaces (warehouse fumigation chambers, pre-cooling or cold storage rooms) and in transport vehicles (trucks, vans, trailers and railcars).

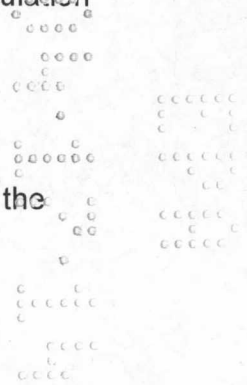
Do not apply/aerate in a manner that allows drift onto areas occupied by unprotected humans or beneficial animals. Do not release fumigant into occupied work area. Do not apply liquid sulfur dioxide to contact fruit as it will cause bleaching of the fruit. Operate enough fans in the fumigation space to volatilize all liquid sulfur dioxide and provide a uniform concentration throughout the fumigation space. Recommended fan circulation rate is a minimum of 0.5 times the volume of the fumigated space during each minute of gassing.

When loading fruit into the fumigation space, orient lug box openings or stack pallets in a manner that promotes greatest air flow around, between and through them. Turn on recirculating fans and close all vents, exhaust ports and vents. Release liquid sulfur dioxide into the hose system or house fumigation system used to vaporize SO₂ in the fumigation space. Hoses should be ducted into open spaces with unrestricted air movement for maximum vaporization. Avoid liquid sulfur dioxide spray on air circulation equipment to prevent severe corrosion of equipment.

PLACARDING OF FUMIGATED AREAS

The certified applicator in charge of the fumigation (or someone under his/her supervision) must placard all entrances to the fumigated area with signs bearing the following in English and Spanish:

- Skull and crossbones symbol
- DANGER / PELIGRO
- Area under fumigation, DO NOT ENTER / NO ENTRE
- Sulfur Dioxide Fumigant in use
- The date and time of the fumigation, and



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- Name, address and telephone number of the certified applicator in charge of the fumigation.

Do not allow entry by unprotected persons into the fumigated area until the signs are removed. Such signs must only be removed when the air concentration level of sulfur dioxide is 2 ppm or less. Signs must remain legible during entire posting period. The warning signs at entrances to fumigated structures may only be removed by the certified applicator in charge of the fumigation (or someone under his/her supervision). Vehicles must be placarded with D.O.T. specified warning signs.

WAREHOUSE, COLD STORAGE ROOM or FUMIGATION CHAMBER

Application Timing:

For fruit to be stored for extended periods:

- Fumigate the day of harvest.
- Fumigate on a 7-10 day maintenance schedule.

For fruit being shipped to market soon after harvest:

- Fumigate before shipment if fruit has been gassed no more than three (3) times.
- Twelve (12) or more hours should elapse before shipment of fruit gassed more than three (3) times in a warehouse.

Seeded grape varieties may be fumigated up to 20 times at 7-10 day intervals. Most seedless grape varieties may be fumigated up to 15 times at 7-10 day intervals. Thompson Seedless grapes should not be fumigated more than 12 times.

Rate of Application:

It is consistent with this label to use less fumigant than specified, but reduced rates may reduce efficacy of treatment and results.

Pre-weighed cylinders of liquid SO₂ for the designated fumigation space may be obtained from your authorized distributor.

Do not perform sulfur dioxide aerations concurrently from multiple chambers.

Initial Fumigation: Use ¾% to 1% SO₂ gas concentration based upon the measured volume of the cold storage room or fumigation chamber.

Maintenance Fumigation: Use ¼% to ½% SO₂ gas concentration based upon the measured volume of the cold storage room or fumigation chamber.

Treatment Time:

- SO₂ gas treatment should last for 20-30 minutes starting when gas is initially introduced to the fumigation space.
- Terminate fumigation by venting the room or scrubbing the recirculating air. To avoid excess residual on fruit, venting/scrubbing must begin at or before 30 minutes of fumigation. Venting or scrubbing must rapidly draw all fumigation gas from air spaces around and through the fruit. Circulate /replace fumigation space

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air at a rate of at least 0.1 to 0.3 times the cubic volume of the space for 20-30 minutes. Venting/scrubbing equipment should be checked and maintained to achieve these performance levels.

- Do not release treated air into the atmosphere containing concentrations of sulfur dioxide in excess of 30 ppm (as determined by a Sensidyne or Kitagawa syringe sampler, or a Draeger handpump).

Alternate: High Frequency – Low Dosage Treatment

Application Timing:

For fruit to be stored for extended periods the initial fumigation should occur on the day of harvest. Maintenance treatment should occur on a schedule of 2 days – 2 days – 3 days (three (3) times per week). Seeded and Seedless grape varieties may be fumigated in this manner as long as they are in storage.

Initial Fumigation: ¾% to 1% SO₂ concentration based upon the measured volume of the cold storage room.

Maintenance Fumigation: 200 to 400 ppm SO₂ concentration based upon the measured volume of the cold storage room.

Treatment Time: Gas treatment will last until the room concentration is measured to be below 2.0 ppm. Vigorous air circulation must be maintained during gassing and for 30 minutes following gas treatment. No venting is required.

Fruit should be inspected for mold growth at least once weekly with this method.

TRUCK, TRAILER, RAILCAR or OTHER TRANSPORT VEHICLE TREATMENT

Do not perform sulfur dioxide aerations concurrently from multiple chambers.

- Install hose kit into vehicle chamber under pallets supporting fruit. Close doors and vents.
- Connect pre-weighed cylinder of sulfur dioxide to hose system. Make sure it is positioned to discharge entire contents. Open the cylinder valve and discharge sulfur dioxide for 1-2 minutes or until empty.
- When a cylinder is empty close cylinder valve and remove from hose system.
- Trailers fumigated with SO₂ must be held for 24 hours before releasing for shipment.
- Trucks and/or trailers must be properly aerated before moving over public roads or highways. Sulfur dioxide concentration in transport vehicles must be below 2 ppm.
- When treating grapes in a truck, trailer or other transport vehicle, do not release into the atmosphere treated air containing concentrations of sulfur dioxide in excess of 2 ppm (as determined by a Sensidyne or Kitagawa syringe sampler, or a Draeger handpump).

FOR USE IN CLEANING BARRELS USED IN WINE PRODUCTION – Fumigate

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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. Inside of barrels should be rinsed by 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. Pressure in the cylinder should be 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 eduction 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, the work area should be evacuated 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 the barrels are being gassed, Draeger tube, or similar device readings must occasionally be made during gassing process 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 use NIOSH approved fitted face respirators for a short time or leave the work area until the atmosphere is shown to be at or below 2 ppm by an SO₂ detection device.

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 eduction tube) and cork bag gassing unit equipped with or without a vacuum sealer. The Gas Cylinder and pressure gauge are provided by a designated distributor. Pressure in the cylinder should be 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.

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Fumigated corks may be used the day following SO₂ gassing. Any bags thus treated must be labeled as "SO₂ treated".

STORAGE AND DISPOSAL

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

Pesticide Storage: Store in a locked, dry, level, well-ventilated area at normal room temperature. Cylinder temperature should not exceed 52°C (125°F). Post as a pesticide storage area. Do not store near flammable material, near the inlet of a ventilating or air conditioning unit, near any source of direct heat or in a subsurface location.

Store cylinders upright, secured to a rack wall to prevent tipping. Cylinders should not be subjected to rough handling or mechanical shock such as dropping, bumping, or similar devices to unload cylinders. Transport cylinders using a hand truck, fork truck, or other device to which the cylinder can be firmly secured.

Do not remove valve cap and safety outlet cap until immediately before use. Replace valve cap and safety outlet cap when cylinder is 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 by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA regional Office for guidance.

Container Disposal: Refillable container. Refill with sulfur dioxide only. Do not reuse this container for any other purpose. When cylinder is empty, close valve before returning to supplier. Only the registrant is authorized to refill cylinders. Do not use cylinders for any other purpose. Close cylinder valve by turning clockwise until hand tight. Disconnect lines. Return empty and/or partial cylinders only after consulting Airgas USA, LLC for proper shipping instructions.

Spill and Leak Procedures

Evacuate immediate area of spill or leak. Use a NIOSH/MSHA approved self-contained breathing apparatus (SCBA) or combination air supplied ISCBA 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 a direct detection device.

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Warranty Statement

Airgas provides the information contained herein in good faith but makes no representation or warranty as to its comprehensiveness or accuracy. This information is intended only as a guide to the appropriate equipment, systems, installations or precautionary handling of the Product by a properly trained person. The information provided is supplied free of charge and is based on data provided by the customer and technical data that Airgas believes is reliable. This information is intended for use by persons having technical skill and at their own discretion and risk. As information provided by Airgas may be used in different conditions or in combination with other information beyond Airgas's control, customer is responsible for determining whether the information included is appropriate for customer's use and customer assumes full responsibility for conclusions it derives from this information. Customer is responsible for seeking expert advice.

AIRGAS MAKES NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO THE INFORMATION PROVIDED OR THE PRODUCT TO WHICH THE INFORMATION REFERS. ACCORDINGLY, TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, AIRGAS WILL NOT BE RESPONSIBLE FOR DAMAGES, DIRECT OR INDIRECT, RESULTING FROM USE OF OR RELIANCE UPON THIS INFORMATION.

