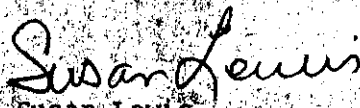



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US ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (TS-767) WASHINGTON, DC 20460 NOTICE OF PESTICIDE: <input type="checkbox"/> REGISTRATION <input type="checkbox"/> REREGISTRATION (Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended)	EPA REGISTRATION NO. 52251-37 TERM OF ISSUANCE Conditional NAME OF PESTICIDE PRODUCT Sectagon	DATE OF ISSUANCE 11/30/89
NAME AND ADDRESS OF REGISTRANT (Include ZIP code) <div style="display: flex; justify-content: space-between;"> <div> Oregon-California Chemicals, Inc. 29454 Meadowview Road Junction City, OR 97448 </div> <div style="text-align: right;"> 253566 / 161 1 / 18 </div> </div>		
NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.		
On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.		
A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.		
Registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.		
This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A) provided that you:		
<ol style="list-style-type: none"> 1. Submit/cite all data required for registration/reregistration of your product under FIFRA section 3(c)(5) when the Agency requires all registrants of similar products to submit such data. 2. Add the phrase "EPA Registration No. 52251-37" to your label before you release the product for shipment. 3. Submit one (1) copy of your final printed labeling before you release the product for shipment. 		
If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(a). Your release for shipment of the product constitutes acceptance of these conditions.		
A stamped copy of the label is enclosed for your records.		
<div style="text-align: right;">  Susan Lewis Product Manager (21) Fungicide-Herbicide Branch Registration Division (H7505C) </div>		
Enclosure <input type="checkbox"/> ATTACHMENT IS APPLICABLE		
SIGNATURE OF APPROVING OFFICIAL 		DATE 11/30/89

SECTAGON

Fumigant Solution - For Formulation Only

ACTIVE INGREDIENTS:
Sodium methyldithiocarbamate (anhydrous)32.7%
INERT INGREDIENTS.67.3%
100.0%

Contains 3.18 lbs. active ingredient per gallon

KEEP OUT OF REACH OF CHILDREN

DANGER AVISO

PRECAUTION AL USUARIO: Si usted no lee ingles,
no use este producto hasta que la etiqueta haya sido
explicada ampliamente.

OREGON-CALIFORNIA CHEMICALS, INC.
29454 MEADOWVIEW ROAD
JUNCTION CITY, OREGON 97448

EPA EST. NO. 52251-OR-005

EPA REG. NO. 52251-GT

NET CONTENTS

U.S. GALLONS

STATEMENT OF PRACTICAL TREATMENT

FIRST AID: Immediately start the procedures given below and contact a Poison Center, a physician, or the nearest hospital. Report the type and extent of exposure, describe the victim's symptoms, and follow the advice given.

If on skin: Immediately flush skin with large amounts of running water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately.

If in eyes: Immediately flush eyes with large amounts of running water for at least 15 minutes. Hold eyelids apart to ensure rinsing of the entire surface of the eye and lids with water. Get medical attention immediately.

If inhaled: Remove to fresh air. If not breathing, clear the victim's airway and start mouth-to-mouth artificial respiration. If breathing is difficult, give oxygen, preferably with a physician's advice. Get medical attention immediately.

If swallowed: Immediately give several glasses of water but do not induce vomiting. If vomiting does occur, give fluids again. Have a physician determine if condition of patient will permit induction of vomiting or evacuation of stomach. Do not give anything by mouth to an unconscious person.

SEE PANEL FOR ADDITIONAL
PRECAUTIONARY STATEMENTS

ACCEPTED
with COMMENTS
in EPA Letter Dated:

NOV 30 1989

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide
registered under EPA Reg. No.

52251-37

RECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER

Corrosive. Causes burns. If on skin wash with plenty of soap and water of soap and water. Get medical attention. Causes eye damage and skin irritation. Do not get in eyes, on skin, or on clothing. May be fatal if swallowed or absorbed through skin. Do not breathe vapor or spray mist. Use waterproof gloves, face shield or goggles, and protective clothing when handling. See also the Technical Bulletin for additional directions for protective clothing. Wash hands arms and face thoroughly with soap after handling and before eating or smoking. When formulating in enclosed areas, wear a mask or respirator of a type passed by the U.S. Bureau of Mines for Sectagon protection. Do not wear contact lens while using this product.

ENVIRONMENTAL HAZARDS

Do not discharge effluent containing this product directly into lakes, streams, ponds, estuaries, oceans or public waters unless this product is specifically identified and addressed in an NPDES permit. Do not discharge effluent containing this product to sewer systems without previously notifying the sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the Environmental Protection Agency.

STORAGE AND DISPOSAL

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

STORAGE: Store in a cool, dry place. Keep container closed when not in use. DO NOT STORE BELOW 0 F. Product crystallizes at lower temperature. Warm or store at higher temperatures and mix to redissolve crystals and assure uniformity before use.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinseate is a violation of Federal Law. If these wastes cannot be disposed of by use 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 DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

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OR-CAL TECHNICAL BULLETIN S-100

SECTAGON *Fumigant Solution*

ACCEPTED
with COMMENTS
in EPA Letter Dated:

NOV 30 1989

EPA Reg. No. 52251-GT

I. PHYSICAL/CHEMICAL PROPERTIES

Active Ingredient: Sodium methyldithiocarbamate (32.3%)
CAS Registry Number: 137-42-8
Inert Ingredients: (67.3%)
Physical State: Liquid.
Color: Pale yellow to light green
Odor: Strong, sulfur-like
Specific Gravity: 1.16-1.18 at 68/68 F (20/20 C)
Boiling Point: 230 F (110 C)
Vapor Pressure: 21 mm Hg at 77 F (25 C)
Flash Point: Greater than 200 F (94 C) Tagliabue Closed Cup
Miscibility: Miscible with water.
Viscosity: 4.7-5.0 cp
pH: 9.0-10.5

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide
registered under EPA Reg. No.

52251-37

IN CASE OF SUSPECTED POISONING, REFER TO THE INFORMATION IN SECTION VII: HUMAN HEALTH AND THE PROCEDURE AND EMERGENCY CONTACTS IN SECTION VIII: FIRST AID.

IN CASE OF SPILLAGE, REFER TO THE PROCEDURE AND EMERGENCY CONTACTS IN SECTION X: SPILL HANDLING OR CALL PESTICIDE SAFETY TEAM NETWORK/CHEMTREC (800) 424-9300.

II. CHEMICAL REACTIVITY The product is not compatible with acidic solutions. If acidified, toxic hydrogen sulfide gas may form.

Corrosion Properties:

Metal	Corrosion Rate (Mils/year)
Aluminum	< 0.05
Carbon Steel	.5 - .6
304 Stainless Steel	< 0.05
316 Stainless Steel	< 0.05

III. STABILITY

Stable at ambient temperatures and atmospheric pressure. Prolonged exposure to air will result in gradual decomposition, to form methyl isothiocyanate (MITC), which is poisonous. In poorly ventilated areas or confined spaces, MITC may reach unsafe levels. Use of full-face air-supplied or gas-mask type respirators would be required under these conditions.

IV. FIRE HAZARD

Not defined as flammable or combustible. However, the product may support combustion under fire conditions and decompose to give off toxic materials.

V. FIREFIGHTING TECHNIQUE

Products of combustion are irritating to the respiratory tract and may cause breathing difficulty and pulmonary edema. Symptoms may be delayed several hours or longer depending upon the extent of exposure. As in any fire, prevent human exposure to fire, smoke, fumes or products of combustion. Evacuate nonessential personnel from the fire area. Firefighters should wear full- face, self-contained breathing apparatus and impervious protective clothing. Use standard firefighting techniques to extinguish fires involving this material - use water spray, dry chemicals or carbon dioxide. If not leaking, keep fire-exposed containers cool with a water spray to prevent rupture due to excessive heat. High pressure water hose may spread product from broken containers increasing contamination or fire hazard. Contaminated building, areas and equipment must not be used until they are properly decontaminated.

VI. TOXICOLOGY

Ingestion

The acute oral LD50 is 1415 mg/kg in male rats. The acute oral LD50 is 1350 mg/kg in female rats. In the test males, no deaths occurred below the 1400 mg/kg level. At 1400 mg/kg, three of the ten animals dosed died. At all the dose levels above 1400 mg/kg all of the animals died. Among the test females, no deaths occurred below the 1300 mg/kg dose level. At the 1300, 1400, and 1500 mg/kg doses deaths were observed (40%, 60% and 80% respectively). At the 2000 and 2500 mg/kg doses, all of the animals died. Those test animals that died were observed to have mot-tled, darkened lungs; stomachs distended with food, gas and test material; darkened adrenals; and fluid around the nose and mouth. One male test animal that survived the test was observed to have darkened adrenals. No other gross abnormalities were observed in any other of the survivors.

Skin Contact

In rabbits the dermal LD50 of this compound is 2750 mg/kg of body weight. Toxic symptoms observed during test period included: Necrosis and eschar of the skin at the test sites, lethargy, weight loss, diarrhea, and often death. At necropsy, gross abnormalities observed included: dark staining and sometimes yellow fluid around the nose and mouth; stomachs full of white material; reddened and on one occasion pale, almost yellow, lungs; gas filled intestines; congested hearts; and on one occasion a rough textured liver. Severe irritant to rabbit skin following a 4-hour exposure.

Eye Contact

Slight conjunctivitis and discharge were observed in five of the animals' test eyes one hour after dosing. No other irritation was observed in any of the animals. This compound is an extremely slight eye irritant.

Inhalation

At a dose of 6.63 mg/l, of which 5.43 mg/l was respirable, this compound appears to be non-toxic by the inhalation route of exposure to Sprague-Dawley rats. When necropsied nine of the ten treated animals had slight to moderately mottled lungs; no other gross abnormalities were observed. Immediately following exposure all animals were slightly ataxic. Twenty-four hours after exposure, four of the animals had dried colored material around the nose; two of which also exhibited signs of dyspnea and noisy respiration. All animals appeared normal within 24 hours.

VII. HUMAN HEALTH

The principal routes of exposure are skin contact and inhalation. Contact with skin or eyes may result in irritation. Inhalation may cause respiratory irritation. Prolonged or repeated exposure may cause hypersensitivity type dermatitis (Jung, H.D., 1979). There is no data available which address medical conditions that are generally recognized as being aggravated by exposure to this product. (Reader should consult SECTION VI: TOXICOLOGY for effects observed in experimental animals under controlled laboratory conditions using this product.)

VIII. FIRST AID

CALL A POISON CENTER OR A PHYSICIAN IMMEDIATELY

If a known exposure occurs or if poisoning is suspected, *do not wait for symptoms to develop*. Immediately start the recommended procedures below and simultaneously contact a Poison Center, a physician, or the nearest hospital. Inform the person contacted of the type and extent of exposure, describe the victim's symptoms, and follow the advice given.

ADDITIONAL MEDICAL OR TOXICOLOGICAL INFORMATION, CALL COLLECT, DAY OR NIGHT, PESTICIDE SAFETY TEAM NETWORK/CHEMTREC (800) 424-9300

Ingestion

If swallowed, immediately give several glasses of water but do not induce vomiting. If vomiting does occur, give fluids again. Have a physician determine if condition of patient will permit induction of vomiting or evacuation of stomach. Do not give anything by mouth to an unconscious or convulsing person.

Skin Contact

Under a safety shower, immediately flush all affected areas with large amounts of running water for at least 15 minutes. Remove contaminated clothing and shoes. Do not attempt to neutralize with chemical agents. Get medical attention immediately. Wash clothing before re-use.

Eye contact

Immediately flush the eyes with large quantities of running water for a minimum of 15 minutes. Hold the eyelids apart during the flushing to ensure rinsing of the entire surface of the eye and lids with water. Do not attempt

to neutralize with chemical agents. Obtain medical attention as soon as possible. Oils or ointments should not be used at this time. Continue the flushing for an additional 15 minutes if a physician is not immediately available.

Inhalation

If inhaled, remove to fresh air. If not breathing, clear victim's airway and start mouth-to-mouth artificial respiration. If victim is breathing, oxygen may be given from a demand-type or continuous-flow inhaler, preferably with a physician's advice. Get medical attention immediately.

IX. INDUSTRIAL HYGIENE The recommendations described in this section are provided as general guidance for minimizing exposure when handling this product. Because use conditions will vary depending upon customer applications, specific safe handling procedures should be developed by a person knowledgeable of the intended use conditions and equipment. During the development of safe handling procedures, consideration should be given to the need for cleaning of equipment and piping systems to render them non-hazardous before maintenance and repair activities are performed. Waste resulting from these procedures should be handled in accordance with SECTION XIII: DISPOSAL OF MATERIAL.

Engineering Controls

This product is intended for use outdoors where engineering controls are not necessary. However, in those cases where engineering controls are indicated by the use conditions (e.g., product reformulation or repackaging), the following traditional exposure control techniques may be used to effectively minimize employee exposure; local exhaust ventilation, enclosed system design or process isolation and remote control in combination with appropriate use of personal protective equipment.

Ingestion

All food should be kept in a separate area away from the storage/use location. Eating, drinking and smoking should be prohibited in areas where there is a potential for significant exposure to this material. Before eating, hands and face should be thoroughly washed.

Skin Contact

Skin contact with liquid or its aerosol should be minimized through the use of suitable protective clothing, gloves and footwear selected with regard for use condition exposure potential. Unprotected skin exposed to vapors, aerosol or mist should be thoroughly washed at the end of the work shift.

Eye Contact

Eye contact with liquid or its aerosol should be avoided through the use of chemical safety glasses, goggles or a face shield selected with regard for use condition exposure potential.

Inhalation

If use conditions generate airborne vapor or mist, handle this material only in a open (e.g. outdoor) or well ventilated area. Where adequate ven-

tilation is not available, use NIOSH- approved pesticide respirators to reduce exposure. Where exposure potential under the use conditions necessitates a higher level of protection, use a positive-pressure, air-supplied respirator.

Either half-face respirators in combination with chemical goggles or full-face respirators may be required in certain use conditions to prevent eye contact or irritation. Exposure Limits No exposure limits have been established for this product.

X. SPILL HANDLING

Make sure all personnel involved in the spill cleanup follow good industrial hygiene practices (refer to SECTION IX; INDUSTRIAL HYGIENE).

Any person entering either a significant spill area or an unknown concentration of a vapor or mist should use a positive-pressure, self-contained breathing apparatus or a positive-pressure, air-supplied respirator with escape pack.

Small spills can be handled routinely. Use adequate ventilation and/or wear a NIOSH-approved pesticide respirator to prevent inhalation exposure. Wear protective clothing to prevent skin and eye contact. Use the following procedures:

Sweep up spilled material being careful not to create dust. Place sweepings in a chemical waste container for disposal (refer to SECTION XIII: DISPOSAL OF MATERIAL). Generously cover contaminated area with a slurry of common, powdered household laundry detergent and water. Using a stiff brush, work the slurry into cracks and crevices. Allow to stand for 2-3 minutes then flush with water. Repeat if necessary. Refer to SECTION XV: ENVIRONMENTAL PRECAUTIONS.

Large spills should be handled according to a predetermined plan.

**IN CASE OF SPILL EMERGENCY, DAY OR NIGHT
CALL PESTICIDE SAFETY TEAM
NETWORK/CHEMTREC 800-424-9300**

Corrosive to brass, copper, zinc and aluminum. The product may soften or discolor iron. Steel and stainless steel are the preferred materials of construction for process equipment, storage and shipping containers.

XII. STORAGE REQUIREMENTS

Containers should be stored in a cool, dry, well ventilated area away from flammable materials and sources of heat or flame. Store away from foodstuffs or animal feed. Exercise due caution to prevent damage to or leakage from the container. Do not store at temperatures below 0 F (-18 C) as the product will crystallize at lower temperatures. Warm or store at higher temperatures and mix to redissolve crystals and assure uniformity before use.

XIII. DISPOSAL OF MATERIAL

Dispose of empty containers according to any applicable regulations under the Resource Conservation and Recovery Act. NOTE: State and local regulations may be more stringent than federal.

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**XV. ENVIRONMENTAL
PRECAUTIONS**

This product is toxic to fish. Keep out of lakes, streams or ponds. Do not apply where runoff is likely to occur. Do not contaminate water by cleaning equipment or disposal of wastes.

**XVI. SPECIAL
INSTRUCTIONS**

This technical product is manufactured and shipped at the concentration recommended for end use products. End use formulators who desire to use this technical should only have to repackage and label the product.

Mixture with other products may be desirable by some end use formulators. Formulator must contact Oregon-California Chemicals, Inc. at 503-689-4413 for technical assistance and evaluation of any such mixture before using the technical in any such mixtures.

REFERENCES CITED

National Institute for Occupational Safety and Health (NIOSH). (1977). Occupational Diseases: A Guide to Their Recognition. NIOSH: Cincinnati, OH
Jung, H.D. (1970). Occupational Contact Dermatitis Due to the Use of Nematrin (VAPAM) in Agriculture. Dtsch. Gesundheitsw. 25 (11) p. 495-8.
Sax, Irving J. (1984). Dangerous Properties of Industrial Materials, 6th Edition. Van Nostrand Reinhold: New York, N.Y.

OR-CAL believes all information given herein is accurate. It is offered in good faith, but supplied without consideration or guarantee. OR-CAL assumes no obligation or liability for the accuracy or sufficiency of the information given, all such information being given or accepted at user's risk.

OR-CAL

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Junction City, Oregon 97448

(503) 689-4413

