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8-16-1984

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Best Available copy

U.S. ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (WH-567) WASHINGTON, D.C. 20460	EPA REGISTRATION NO. 51877-1	DATE OF ISSUANCE 8/16/84
NOTICE OF PESTICIDE: <input checked="" type="checkbox"/> REGISTRATION <input type="checkbox"/> REREGISTRATION (Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended)		TERM OF ISSUANCE NAME OF PESTICIDE PRODUCT Carbon Dioxide
NAME AND ADDRESS OF REGISTRANT (Include ZIP code) <div style="text-align: right; font-size: 2em; font-weight: bold;">Best Available COPY</div> <div style="text-align: right; font-size: 1.5em;">126,576</div> <div style="text-align: right; font-size: 1.5em;">16/18</div> T.M. Coon Swastars Division of Archer Daniels Midland 4600 Valley Parkway Decatur, IL 62525		
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, sec. 3(c)(7)(A) provided that you:		
1. Submit and/or furnish all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data.		
2. Make the labeling changes listed below before you release the product for shipment:		
a. Add the phrase "EPA Registration No. 51877-1."		
3. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 enclosure for a description of the final printed labeling.		
These conditions are not exhaustive. If this registration will be subject to cancellation in accordance with FIFRA sec. 6(e), your release for shipment of the product constitutes acceptance of these conditions:		
A stamped copy of the label is enclosed for your records.		
William H. Miller Product Manager (10) Insecticide-Rodenticide Branch Registration Division (WH-567)		
Enclosure		
<input type="checkbox"/> ATTACHMENT IS APPLICABLE		
SIGNATURE OF APPROVING OFFICIAL <i>William H. Miller</i>		DATE 8/16/84

BEST DOCUMENT AVAILABLE

RANGE, SHIPBOARD, INTRAVEL SHIP OR SHIPBOARD TREATMENT

Butge, intravital ship, shipboard or shipboard treatment is also governed by D.O.T. and U.S. Coast Guard Regulations. Please refer to and comply with appropriate regulations prior to treatment.

TREATMENT PROCEDURES

1. Prior to intravital vessel cargo treatment, the master of the vessel or his representative and the applicator must determine if the vessel will allow safe occupancy by the vessel's crew throughout the duration of treatment. If the determination is made that design and configuration of the vessel will not allow safe occupancy of the vessel by the crew during the treatment, the vessel must not be treated unless all crew members are removed from the vessel.

2. The person responsible for the treatment must notify the master of the vessel of the treatment and the location of the detection devices. A permanent listing of equipment and carbon dioxide detection devices is to be maintained on the vessel. The use of this equipment must accompany the vessel while under treatment. Emergency Procedures, ventilation of cargo holds, periodic monitoring and inspections and first aid measures must be discussed and understood by the master of the vessel or representative.

3. During the treatment or until the cargo holds are aerated, the person in charge of the treatment shall insure that a qualified person using carbon dioxide detection equipment tests vessel spaces adjacent to the treated areas, and that the person is clearly occupied upon the vessel. If the person in charge of the treatment is not clearly occupied upon the vessel, the person shall take action to correct the leakage and shall inform the master of the vessel, or representative, of the leakage and that corrective action be initiated.

4. If the treatment is completed and the vessel not completely aerated prior to departure, the person in charge of the vessel shall insure that personnel protective equipment for two people (minimum) and one carbon dioxide detection device be on board. A person qualified in the operational use of the equipment must be on board the vessel during the voyage.

Personnel protective equipment means a gas mask or respirator approved by the National Institute of Occupational Health (NIOSH) or by the Mine Safety and Health Administration (MSHA).

PRECAUTIONS AND PROCEDURES DURING THE VOYAGE

Using appropriate test equipment, spaces adjacent to areas containing treated cargo and personnel occupying areas must be tested for carbon dioxide concentration and action taken to correct the leakage. Personnel entry is prohibited until tests indicate area is clear. Do not enter treated areas except under emergency conditions. In emergency, entry to a treated area requires appropriate personnel protective equipment; vessel entry treated areas alone. At least one other person, wearing appropriate personnel protective equipment, must be available to assist if necessary.

PRECAUTIONS AND PROCEDURES DURING DEPARTURE

If necessary to enter a hold prior to discharge of cargo, spaces directly above cargo hold spaces must be tested for carbon dioxide concentration. Appropriate test devices must be used to contact treated areas. Do not be utilized. Do not allow entry to treated spaces without personnel protective equipment unless carbon dioxide concentration is at a safe level as indicated by detection devices.

SPECIFIER LABEL

CARBON DIOXIDE

Active Ingredients: Carbon Dioxide; 99.99%
Inert Ingredients: N₂, O₂; 0.01%
EPA Reg. No. _____ Net Weight _____ lbs.

KEEP OUT OF THE REACH OF CHILDREN

WARNING
EXPOSURE MAY CAUSE SUFFOCATION AND DEATH.
VENTILATE USE AREAS BEFORE ENTERING

WARNING -- EXTREMELY COLD (-109°F) WHEN GAS RELEASED

PRACTICAL TREATMENT - FIRST AID

If inhaled: Remove the victim to fresh air immediately; keep victim lying down and warm. If breathing is difficult give oxygen or artificial respiration. Call physician immediately. For treatment of frost bite or eye exposure, seek medical attention immediately.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. For specific information on uses, procedures, safety precautions or insect problems, please consult ADM Corn Sweeteners.

Carbon dioxide may be used for the treatment of raw and processed agricultural commodities in storage and sealed transportation equipment. Do not treat if grain temperature is below 60°F. Area to be treated should be as gas tight as possible prior to treatment. Maintain concentration of carbon dioxide at 91 per cent for a four or five day treatment is recommended at or above 60°F. Ventilate treated areas prior to entry.

Treated areas must be placarded on all entrances with signs containing at least the signal word "DANGER" and "Small C Crossbones", and the words: "Area under treatment with carbon dioxide, do not enter until completely aerated." The placard must contain the date of treatment, telephone number for emergency contact, name and address of applicator. Do not remove warning placard until the treatment area is completely aerated and safe for entry as indicated by suitable detection equipment.

TREATMENT DIRECTIONS:

STORAGE

Purge bin to a 90% (10% concentration of carbon dioxide). Maintain this concentration for four to five days at or above 60°F, for temperatures below 60°F, treatment times must be extended. Do not apply below 60°F. For specific treatment recommendations, contact ADM Corn Sweeteners technical representatives.

SEMI-TRAILERS AND TRUCK-BUILD CONTAINERS

Treat as above. Recommendations for proper sealing prior to treatment are available from ADM Corn Sweeteners technical representatives. Do not ship trailer or container until termination of treatment and aeration of equipment has been completed.

STORAGE AND DISPOSAL

Carbon dioxide in storage container is under pressure. Do not hammer, pierce, or use for any other purpose. Do not use for any purpose suggested on label. For handling low-pressure gases. Dispose gas by venting to open area. For more detailed recommendations, contact ADM Corn Sweeteners technical representative.

PRECAUTIONARY STATEMENTS

Liquid under pressure; hazard to humans. Exposure may cause suffocation or death. CO₂ is 1.5 times heavier than air. Work spaces under and adjacent to treatment area should be monitored continually. The OSHA health hazard level for CO₂ concentration in work spaces is 50 ppm. Do not enter areas before entry concentration is self-contained breathing apparatus of the appropriate type for short term emergency use. Do not enter places where used unless adequate ventilation is provided. Can cause severe burns on contact (frost bite) when released. NIOSH recommends exposure be controlled to not exceed 10,000 ppm determined as a TWA concentration for up to a 10 hour work shift in a 40 hour work week.

ADM CORN SWEETENERS
DIVISION OF ARCHER DANIELS MIDLAND CO.
4600 N. W. 10TH AVE.
DECATUR, IL 62523
EPA EST. NO. _____

ACCEPTED
AUG 16 1984
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 52077-1

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