PM 34 935-87 6-23-97 144

U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Antimicrobials Division (7510W
401 "M" St., S.W.
Washington, D.C. 20460

NOTICE OF PESTICIDE:
_x_ Registration
____ Reregistration

(under FIFRA, as amended)

EPA Reg. Number:	Date of Issuance:
935-87	06/23/97

Term of Issuance: Conditional

Name of Pesticide Product: OxyChem Sodium Bichromate Dry

Name and Address of Registrant (include ZIP Code):

Occidental Chemical Corporation
Technical Center, V-81, P.O. Box 344, Niagara Falls, NY 14302;

Note: Changes in labeling 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 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.

Registration is in no way to be construed as an endorsement or recommendation of this product by the 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 cite all data required for registration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.

2. Make the following label changes:

   a. Revise the EPA Registration Number to read, "EPA Reg. No. 935-87".

   b. Revise the font size of the label narrative in accord with the attached "A-79 Enclosure."

Signature of Approving Official:

Portia M. Jenkins, Acting PM-34
Regulatory Management Branch II
Antimicrobials Division (7510W)

Portia M Jenkins

Date: June 23, 1997

c. Submit five copies of the revised final printed label for the record

If these conditions are not complied with, the 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.

Sincerely yours,

Portia M. Jenkins,
Acting Product Manager 34
Regulatory Mgmt. Branch II
Antimicrobials Div. (7510W)

Enclosures

BEST AVAILABLE COPY

RECD EPA/OPP/DPD1

ACCEPTED
with COMMENTS
in EPA Letter Dated:
6-23-97
Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 935-87

96 SEP -5 A11 :15

RESTRICED USE PESTICIDE
Due to Oncogenicity
For sale to and use only be certified applicators or by persons under their direct supervision and only for those uses covered by the certified applicator's certification.

OxyChem.

Sodium Bichromate Dry

FOR USE AS A WOOD PRESERVATIVE IN COMMERCIAL WOOD TREATING PLANTS

CAS NO. 7789-12-0
ACTIVE INGREDIENT:
Sodium Bichromate Dihydrate (Na2Cr2O7-2H2O).....100%
INERT INGREDIENTS:.....0%
100%

KEEP OUT OF REACH OF CHILDREN

DANGER  POISON

STATEMENT OF PRACTICAL TREATMENT
(FIRST AID)

FOR EYES: OBJECT IS TO FLUSH MATERIAL OUT IMMEDIATELY THEN SEEK MEDICAL ATTENTION. IMMEDIATELY flush eyes with large amounts of water for at least 15 minutes forcibly holding lids apart to ensure complete irrigation of all eye and lid tissue. Washing eyes within one (1) minute is essential to achieve maximum effectiveness. **SEEK MEDICAL ATTENTION IMMEDIATELY.**
FOR SKIN: IMMEDIATELY wash contaminated areas with plenty of soap and water for at least 15 minutes. Remove contaminated clothing and footwear and wash clothing before reuse. Discard footwear which cannot be decontaminated. **SEEK MEDICAL ATTENTION IMMEDIATELY.**
INHALATION: Remove to fresh air. If breathing is difficult, have trained person administer oxygen. If breathing has stopped, give mouth-to-mouth resuscitation. **SEEK MEDICAL ATTENTION IMMEDIATELY.**
INGESTION: NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. If swallowed, **DO NOT INDUCE VOMITING.** Give large quantities of water. (If available, give several glasses of milk.) If vomiting occurs spontaneously, keep airway clear and give more water. **SEEK MEDICAL ATTENTION IMMEDIATELY.** Accident victims should be given 5-10 gm ascorbic acid (not effervescent tablets) dissolved in water. This dose can be repeated several times.
NOTES TO PHYSICIAN: Massive overexposure to solutions of this product could lead to kidney failure and death. Death has been avoided in several such cases through the use of early renal dialysis. It has been reported that there is little value from chelating agents, however, ascorbic acid administered intravenously is an effective antidote in preventing renal failure. Skin ulcers may be treated by removal from exposure, daily cleansing and debridement, and application of antibiotic cream and dressing.

See back panel for ADDITIONAL PRECAUTIONARY STATEMENTS

Occidental Chemical Corporation
Specialty Chemicals Group
Dallas, Texas 75380
(214) 404-3800

EPA Est. No. 935-CA-001
EPA Est. No. 935-NC-001
EPA Reg. NO. 935-XX-IT

PRECAUTIONARY STATEMENTS

HAZARD TO HUMANS AND DOMESTIC ANIMALS

DANGER - POISON

OXIDIZER.
CAUSES SEVERE EYE IRRITATION, POSSIBLE BLINDNESS.
CONTACT WITH BROKEN SKIN MAY RESULT IN ULCERS.
MAY CAUSE LIVER DAMAGE IF INHALED OR SWALLOWED.
PROLONGED OR REPEATED BREATHING MAY CAUSE ULCERATION OR PERFORATION OF NASAL MEMBRANES.
PROLONGED OR REPEATED SKIN CONTACT MAY CAUSE ALLERGIC REACTION IN SOME INDIVIDUALS. FATAL IF SWALLOWED, INHALED OR ABSORBED THROUGH SKIN.
CANCER HAZARD-CAN CAUSE CANCER.
RISK OF CANCER DEPENDS ON DURATION AND LEVEL OF EXPOSURE.

Do not breathe dust or mist. Do not get in eyes, on skin, on clothing. Wear respirator, chemical goggles, full face shield, rubber or PVC gloves, and protective clothing when handling. Keep container closed. Use only with adequate engineering controls and ventilation where dust, mist, spray and hazardous by-products may be generated. Wash thoroughly with soap and water after handling and before eating,drinking or handling tobacco. Remove contaminated clothing and wash clothing before reuse. Store in tightly closed containers away from combustible materials.
Use of this product may be hazardous to your health. This product contains chromium compounds which have been determined to cause tumors in humans. Risks can be reduced by closely following the use directions and precautions and by properly using the protective clothing and equipment listed else where on the label.
Applicators must wear gloves impervious to the wood treatment formulation in all situations where dermal contact is expected (e.g., handling freshly treated wood and manually opening cylinder doors).Applicators must not eat, drink, or use tobacco products during those parts of the applications process that may expose them to the wood treatment formulation (e.g., cylinders, mixing chemicals, and handling freshly treated wood).
Wash thoroughly after skin contact, and before eating, drinking, use of tobacco products or using restrooms.
Individuals who enter pressure treatment cylinders and other related equipment that is contaminated with the wood treatment solution (e.g., cylinders that are in operation or are not free of the treatment solution) must wear protective clothing, including overalls, jacket, gloves, and boots, impervious to the wood treatment formulations. In addition, individuals who enter pressure-treatment cylinders must wear properly fitting, well-maintained, high-efficiency filter respirators (MSHA/NIOSH-approved for inorganic arsenic) if the level of inorganic arsenic in the plant is unknown or exceeds 10 micrograms per cubic meter of air (10ug/m^3) averaged over an 8-hour work period.
Protective clothing must be changed when it shows signs of contamination. Applicators must leave protective clothing and workshoes or boots and equipment at the plant. Worn-out protective clothing and workshoes or boots must be left at the plant and disposed of in a manner approved for pesticide disposal and in accordance with state and federal regulations.
Individuals in the work area of an arsenical wood treatment plant must wear properly fitting, well-maintained high efficiency filter respirators, MSHA/NIOSH approved for inorganic arsenic, if the level of inorganic arsenic in the plant is unknown or exceeds 10 micrograms per cubic meter of air (10ug/m^3) averaged over an 8-hour work period. Air monitoring programs, procedures and record retention and submission must be conducted in accordance with the instructions on the attached labeling material.
Note to user-Examples of acceptable materials for protective clothing (e.g., gloves, overalls, jacket, and boots) required during application and handling of inorganic arsenicals are vinyl, polyvinyl chloride (PVC), neoprene, NBR (Buna-N) rubber, and polyethylene.

ENVIRONMENTAL HAZARD

This pesticide is toxic to fish and aquatic organisms. 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 Pollution Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product into sewer systems without previously notifying the sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of EPA.

HMIS RATING SYSTEM: HEALTH 3* FLAMMABILITY 0 REACTIVITY 1

OxyChem 24 HOUR EMERGENCY PHONE: 1-800-733-3665 or 716/278-7021
CHEMTREC EMERGENCY PHONE: 1-800-424-9300

3 of 4

PHYSICAL OR CHEMICAL HAZARD

OXIDIZING AGENT. Mildly oxidizing in solution, but becomes strongly oxidizing in strong acid solution. Avoid contact with organic materials, oils, greases, or any easily oxidizable materials.

IN CASE OF FIRE:

Self-contained breathing apparatus should be worn by fire fighters in areas where this product is stored. Product is not combustible. Water fog, dry chemical or carbon dioxide may be used in areas where product is stored.

DIRECTIONS FOR USE

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

RESTICTED USE PESTICIDE

Sodium Bichromate Dry is an end-use product to be used to formulate CCA Type A and Type C Wood Preservative Solutions when tank mixed with copper sulfate solution and arsenic acid at the use site by commercial wood treating establishments.

The solutions are to be impregnated into forest products, such as lumber, timber, post, poles and piles using a vacuum pressurized system.

CCA TYPE C INSTRUCTIONS

For a 1.5% working solution to one thousand gallons of water, add 32 gallons of 25% copper sulfate solution. To 5.3 gallons of water add 98.4 pounds of Sodium Bichromate Dry; add the resultant 10 gallons to the copper sulfate and water solution. The final component to be added is 4.9 gallons of arsenic acid 75%.

CCA TYPE A INSTRUCTIONS

For a 1.5% working solution to one thousand gallons of water, add 30 gallons of 25% copper sulfate solution. To 6.9 gallons of water add 128 pounds of Sodium Bichromate Dry; add the resultant 13 gallons to the copper sulfate and water solution. The final component to be added is 2.6 gallons of arsenic acid 75%.

This is an end-use product intended to be tank-mixed at the use site by commercial wood treating establishments. The contents, which are for use only in pressure treating cylinders for forest products, cannot be used in concentrated form. Do not attempt to use without implementing the necessary safety equipment. To be used only in impregnation of forest products utilizing water solutions having concentrations ranging from 0.5% to 10% by weight. Impregnation procedures must rigidly adhere to the current standards of the American Wood Preservers Association, as they pertain to type of wood products, wood species, penetration and retention levels, and other treatment method details.

STORAGE AND DISPOSAL

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

STORAGE: Do not store in close proximity to combustible materials. Store in tightly closed containers away from sources of heat.

SPILLS: Follow precautionary statements. Stop leaks. Contain spill by diking. Remove as much material as possible and place in a closed, labeled container for reuse or disposal at an approved chemical waste disposal facility. Treat spill area with a reducing agent (e.g. sodium bisulfite, sodium sulfite, ferrous sulfate or ferrous chloride), then neutralize with caustic soda, soda ash, or lime. Following neutralization, soak up with inert absorbent material (e.g. sand), place in a closed, labeled container and remove to an approved chemical waste disposal facility. NEVER FLUSH TO SEWER. Report spills as appropriate to Federal, State and local authorities.

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. The preferred disposal method is chemical treatment (reduction and neutralization) in accordance with Federal, State and local regulations.

CONTAINER DISPOSAL: METAL CONTAINERS: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in sanitary landfill, or by other procedures approved by State and local authorities. PAPER BAGS: Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke. FIBER DRUMS: Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then dispose of liner in a sanitary landfill or by incineration if allowed by State and local authorities. If drum is contaminated and cannot be reused, dispose of in the same manner.

ADDITIONAL LABELING INSTRUCTIONS

IMPLEMENTATION OF THE PERMISSIBLE EXPOSURE LIMIT (PEL) MONITORING PROGRAM

Each arsenical wood treatment plant employer shall require all employees potentially exposed to airborne inorganic arsenic to wear properly fitting, well maintained, high efficiency filter respirators, MSHA/NIOSH-approved for inorganic arsenic for the entire period that the employees are in the treatment application work area or engaged in any activity associated with the treatment process. Alternatively, to potentially relieve employees from the burden of wearing respirators, the employer may implement a Permissible Exposure Limit (PEL) Monitoring Program. This requirement became effective on July 10, 1986. Any plant which begins operations after April 10, 1986 will have 3 months from the date of initial operation to implement this program.All wood treatment plant employers who elect to implement the PEL monitoring program must determine the current levels of airborne arsenic, averaged over an 8-hour period, to which their employees are exposed. Monitoring data must be obtained in the same manner as described below under "Monitoring and Measurements Procedures".

If the initial or subsequent monitoring demonstrates that airborne inorganic arsenic in a work area is greater than 10ug/m³, all employees working in that area are required to wear properly fitting, well-maintained, high efficiency filter respirators, MSHA/NIOSH approved for inorganic arsenic. If in subsequent monitoring, at least two consecutive measurements taken at least 7 days apart, the inorganic arsenic levels are below 10ug/m³ but above 5ug/m³, the employer shall repeat monitoring at least every 6 months until at least two consecutive measurements, taken at least 7 days apart, are below 5ug/m³. The employer may then discontinue monitoring except as discussed in the "PEL Checklist" below.

PEL CHECKLIST

In all cases where there has been a change in production, process, control, or employee handling procedures, or if any events in the PEL Checklist occurred, or if, for any other reasons an employer should suspect new or additional airborne inorganic arsenic, additional monitoring that complies with the requirements for initial monitoring shall be completed. Responses to the Checklist will become part of the monitoring records. Monitoring is required within 3 months if any of the following events/questions on the checklist can be answered in the affirmative with respect to any events which may have occurred since the last monitoring report submitted to the Agency.

1. After the wood has been treated, have you changed from hand stacking to mechanical stacking or from mechanical stacking to hand stacking? If yes, when?
2. Has your production capacity increased significantly? If yes, when?
3. Have you changed from a ready-to-use or dilute concentration to a mix-it-yourself formulation? Has the proportional amount of arsenic in the solution increased e.g. have you shifted from CCA Type A or C to Type B? If yes, when?
4. Has a significant (i.e., reportable under the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 [Superfund], 42 U.S.C. 9601 et seq.) spill occurred? If yes, when?
5. Is treated wood being retained on the drip pad for less time? If yes, when?
6. Have there been any other production, process, control or employee handling procedure changes which could result in new or additional airborne inorganic arsenic? Identify change, and when it occurred.

MONITORING AND MEASUREMENT PROCEDURES

The employer shall collect personal air samples, including at least one sample which is adequate to represent typical conditions for a full work shift (at least 7 hours) for each job classification in each work area. Sampling should be done using a personal sampling pump calibrated at a flow rate of 2 liters per minute. Samples should be collected on 0.8 micrometer pore size membrane filters (37mm diameter). The method of sampling analysis should have an accuracy of not less than + or - 25 percent (with a confidence limit of 95 percent) for 10 micrograms per cubic meter of air (10ug/m³), and + or - 35 percent (with a confidence limit of 95 percent) for concentrations of inorganic arsenic between 5 and 10ug/m³.

Monitoring may be conducted through a request made to the Occupational Safety and Health Administration (OSHA) for monitoring assistance, which may be provided free of charge under the terms of the OSHA consultation program as provded under section 7(c)(1) of the OSHA Act, or by employees or contractors of the employer's choosing.

The Environmental Protection Agency (EPA) may direct that remonitoring take place at statistically selected establishments to assure that the Checklist is effective in identifying events which increase airborne arsenic. Selected employers will be notified by EPA/State enforcement representatives. The employer will be responsible for obtaining current air monitoring data within the time specified in the remonitorong notification and for submitting these data and reports to the EPA as directed below.

DATA SUBMISSION CERTIFICATION

The employer shall establish and maintain accurate records which include response to the PEL Checklist and all monitoring which include responses to the PEL Checklist and all Monitoring reports. The annual records or copies thereof shall be submitted to the U.S. Environmental Protection Agency, Office of Pesticides and Toxic Substances Office of Compliance Monitoring (EN-342), 401 M St, SW Washington, D.C. 20460. All records submitted will be certified by the employer as accurate and in compliance with all calibration, analytical and sampling requirements outlined in this program. If the employer received assistance from an OSHA7(c)(1) consultant, that consultant's report to the employer will be an acceptable record of calibration, analysis, and monitoring requiring no additional certification.