

82024-1

11/23/2011

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
U.S. ENVIRONMENTAL PROTECTION AGENCY
 Office of Pesticide Programs
 Antimicrobials Division (7510P)
 1200 Pennsylvania Avenue NW
 Washington, D.C. 20460

EPA Reg. Number: 82024-1
 Date of Issuance: NOV 23 2011

Term of Issuance:
Unconditional

Name of Pesticide Product:
 Creosote-Solution

NOTICE OF PESTICIDE:
 Registration
 Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):
 Lone Star Specialty Products, LLC.
 1008 Riva Ridge Drive
 Great Falls, VA 22066-1620

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 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 (OPP Decision No. 447506) is unconditionally 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 re-registration of your product under FIFRA section 4.
2. Make the labeling changes listed below before you release the product for shipment:
 - a. Revise the "EPA Registration Number to read, "EPA Reg. No. 82024-1".

Signature of Approving Official:

 Jacqueline Campbell
 Product Manager Team-34
 Regulatory Management Branch II
 Antimicrobials Division (7510P)

Date:
 November 23, 2011

CONCURRENCES

| | | | | | | | |
|---------|-------------|--|--|--|--|--|--|
| SYMBOL | Form 8570-6 | | | | | | |
| SURNAME | | | | | | | |
| DATE | | | | | | | |

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Page 2

EPA Reg. No.: 82024-1

- b. Revise the "Precautionary Statements" on page 2 to add the following statements, "Avoid breathing vapors of heated material" and "Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals."
- c. Add the following paragraph to the "Precautionary Statements" section on page 2:

Prolonged and repeated skin exposure over many years in the absence of recommended hygiene practices may lead to changes in skin pigmentation, benign skin growth, and in some cases result in skin cancer. The inhalation exposure limit to creosote vapor is 0.2 mg/mg3 OSHA PEL (*Hour TWA) for Coal Tar Pitch Volatiles (benzene soluble fraction) as specified in 29 CFR 1910.1002. Prolonged or repeated inhalation exposure above the limit may lead to respiratory system effects as inflammation and possibly changes in liver, thyroid, and blood elements.
- d. Revise the second "User Safety Requirements" heading on page 3 to read "User Safety Instructions." Also revise the statements in this section to be in compliance with PR Notice 2000-5, Mandatory Labeling, by deleting the term, should, and stating "must."

A stamped copy of the label is enclosed for your records. Submit one (1) copy of your final printed labeling prior to release of this product for shipment.

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.

If you have any questions concerning this letter, please contact Juan Negrón at (703) 308-8116.

Sincerely,

Jacqueline Campbell
Product Manager Team-34
Regulatory Management Branch II
Antimicrobials Division (7510P)

Enclosure: Stamped Label

CONCURRENCES

| SYMBOL | | | | | | | |
|---------|--|--|--|--|--|--|--|
| SURNAME | | | | | | | |
| DATE | | | | | | | |

RESTRICTED USE PESTICIDE
 Due to chronic toxicity in animal studies.
 For 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 certification.

CREOSOTE-SOLUTION
 FOR PRESSURE TREATMENT OF WOOD

Active Ingredient:

| | |
|----------------------------------|-------------|
| Coal Tar Creosote (AWPA P2)..... | 97.5% |
| CAS No. 8001-59-9 | |
| Inert Ingredients | <u>2.5%</u> |
| Total | 100.0% |

CAUTION

See [side][back] panel for additional precautionary statements, First Aid and directions for us

EPA Reg. No. 82024-
 EPA Est. No. 82024-TX-1

NET CONTENTS:

Manufactured by:
 Lone Star Specialty Products, Inc.
 P.O. Box 247
 Lone Star, TX 75668
 USA

ACCEPTED
 with COMMENTS
 EPA Letter Dated:

NOV 23 2011

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

82024-1

| 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 eye. • 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. • Do not induce vomiting unless told to do so by the poison control center or doctor. • Do not give anything by mouth to an unconscious person. |
| 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. |

| | |
|---|--|
| | <ul style="list-style-type: none"> • Call a poison control center or doctor for treatment advice. |
| 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 by mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice. |
| <p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For emergency information on this product, call 1-800-858-7378, 6:30 am to 4:30 pm Pacific Time, seven days a week. During other times, call the poison control center at 1-800-222-1222.</p> | |
| <p>NOTE TO PHYSICIAN</p> | |
| <p>Probable mucosal damage may contraindicate the use of gastric lavage. Vomiting may cause aspiration pneumonia.</p> | |

PRECAUTIONARY STATEMENTS

HARDOUS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Causes moderate eye irritation. Harmful if swallowed or absorbed through skin. Do not get in eyes, on skin, or on clothing. Wear protective eye wear (goggles, safety glasses or face shield). Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

All personnel handling treated wood or handling treating equipment (including poles/hooks used to retrieve charge cables) has come into contact with preservative must wear the following PPE:

- * Washable or disposable coveralls or long-sleeved shirt and long pants,
- * Chemical resistant gloves, and
- * Socks plus industrial grade safety work boots with chemical resistant soles.

All personnel cleaning or maintaining the treatment cylinder gasket/equipment or working with concentrate or wood treatment preservative must wear the following PPE:

- * Washable or disposable coveralls or long-sleeved shirt and long pants,
- * Chemical resistant gloves,
- * Socks plus industrial grade safety work boots with chemical resistant soles, and
- * A full face shield.

In the event of equipment malfunction, or for door spacer placement, all personnel located within 15 feet of the cylinder opening prior to cylinder ventilation must wear the following PPE:

- * Washable or disposable coveralls or long-sleeved shirt and long pants,
- * Chemical resistant gloves,
- * Socks plus industrial grade safety work boots with chemical resistant soles, and
- * A properly fitting half mask elastomeric respirator with appropriate cartridges and/or filters.

Entry to confined spaces is regulated by Federal and/or State Occupational Safety and Health Programs. Compliance is mandated by law. Individuals who enter pressure treatment cylinders or other related equipment that is contaminated with the wood treatment preservative (e.g. cylinders that are not free of treatment preservative or preservative storage tanks) must wear protective clothing and/or equipment as required by Federal and/or State Occupational Safety and Health Compliance laws.

USER SAFETY REQUIREMENTS

- Personnel must leave aprons, protective coveralls, chemical resistant gloves, work footwear, and any other material contaminated with preservative at the treatment facility.
- 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 material that have been drenched or heavily contaminated with the product's concentrate. Do not reuse them.
- Eating, drinking, smoking are prohibited in the treatment cylinder load-out area, drip pad area, and engineering control room of the wood treatment facilities. EXCEPTION: Where treating operator control rooms are isolated from the treating cylinders, drip pad, and work tanks, eating, drinking, and smoking (depending on local restrictions) are permitted.

USER SAFETY REQUIREMENTS

- Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet,
- 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 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 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.

DIRECTIONS FOR USE

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

For terrestrial and aquatic nonfood wood/wood structure protection treatments via pressure methods for utility poles/cross arms, railroad ties, switch ties, bridge timbers, fence and guardrail posts, foundation timbers, marine and foundation round piles, sawn lumber and timber products, and exterior structural composite glue laminated wood and plywood products. Treated wood is intended for exterior/outdoor uses only.

Requirements for the Pressure Treatment of Wood

- Cylinder openings and door pits must use grating and additional measures such as sumps, dams or other devices which prevent or remove spillage of the preservative.
- Personnel must not directly handle the charge cables, poles or hooks used to retrieve charge cables, or other equipment that has contacted the preservative without wearing chemical resistance gloves.
- The treatment process must include a final vacuum to remove excess preservative from the wood. The final vacuum must attain a vacuum equal to or greater than the initial vacuum. This vacuum must be held for an appropriate time period based on wood species, retention levels, and commodity treated to remove excess preservative from the wood.

-At the conclusion of treatment, the cylinder must be ventilated by purging the post-treatment cylinder through fresh air exchange. The ventilation process is considered complete after a minimum of 2 volume exchanges based on the empty treatment cylinder volume. The exhaust pipe of the vacuum system or any air moving device utilized in conducting the air purge must terminate into a containment vessel such as a treating solution work tank or water/effluent tank

-The ventilation process may be accomplished by one of the following methods: 1) activating an air purge system that operates while the cylinder door remains closed; or 2) using a device to open and hold open the cylinder door (no more than 6 inches) to allow adequate ventilation and activating the vacuum pump.

-If the second method is utilized, at the conclusion of the treatment, no personnel may be located within 15 feet of the cylinder when open (cracked) until the cylinder has been ventilated.

-In the event of equipment malfunction, or to place the spacer to hold the door open during venting, only personnel wearing specified PPE are permitted within 15 feet of the cylinder opening prior to ventilation.

-After ventilation is complete, the cylinder door may be completely opened.

-After treatment, wood must be moved to a drip pad capable of recovering excess preservative until the wood is drip free.

Requirements for Wood for Aquatic or Marine Environments

For treated wood that will be used in marine or other aquatic or sensitive environments, a double vacuum must be used. Following the pressure period, and once the creosote has been pumped back to the work tank, a vacuum shall be applied for a minimum of one and a half hours at not less than 22 inches of Hg (560 KPa) (adjusted for elevation) of vacuum to recover excess preservative. Then, depending on plant equipment: 1) vacuum for a minimum of one and one-half hours at not less than 22 inches of Hg (560 KPa) (adjusted for elevation); or 2) steam material for one hour minimum and then pull not less than 22 inches of Hg (560 KPa) (adjusted for elevation) vacuum for a minimum of one and one half hours. Maximum temperature during steam shall not exceed 240 degrees F (115.5 degrees C), as specified in the Best Management Practices (Aug. 2006) issued by the Western Wood Preservers Association, Southern Pressure Treaters Association, Timber Piling Council, and Wood Preservation Canada.

Requirements That Must Be Implemented by December 31, 2013

-For elevated temperature pressure treatment with creosote, automatic, remotely operated devices must be used to open, close, lock, and unlock cylinder doors.

-For ambient creosote treatments, an automatic locking/unlocking device must be used to accomplish locking and unlocking of the cylinder door.

-Mechanical methods must be used to place/remove bridge rails.

STORAGE AND DISPOSAL

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

Pesticide Storage: In case of spillage, absorb (with sand, earth, etc.) and dispose of in accordance with applicable Federal, State and local regulations. Contaminated materials must be handled and managed as a RCRA Hazardous Waste and treated before disposal in an approved landfill. This waste is identified by the EPA as a U051 hazardous waste and must meet the treatment standards specified in 40 CFR 268 Subpart D. An RCRA Hazardous Waste Storage permit is required for storage of wastes beyond 90 days.

Pesticide Disposal: Pesticide wastes are toxic. Improper disposal of excess pesticide 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.

BATCH CODE

Supplemental Labeling for Creosote-Solution
EPA Reg. No. 82024-

Creosote (P2) is registered only for pressure treatment of wood. Wood treaters must not knowingly pressure treat wood commodities that are not encompassed by the following use category tables, which provides examples from the American Wood Protection Association (AWPA) Use Category System, as set forth in the most current edition of the AWPA Book of Standards.

| AWPA Commodity Specification: Crossties and Switch Ties | |
|--|--|
| AWPA Use Category | Commodity Examples |
| UC 4A, 4B, and 4C | Crossties and Switch Ties, produced from all wood species recognized by AWPA for this commodity. Manufactured to meet AWPA specifications. |

| AWPA Commodity Specification: Posts | |
|--|--|
| AWPA Use Category | Commodity Examples |
| UC4A | Posts, round, 1/2 and 1/4 round for highway construction (including guide, sign and sight) and farm fencing. |
| UC4B | Posts, round, 1/2 and 1/4 round for highway construction (including guardrail posts, spacer blocks) and for road salt/brine storage Posts, round, 1/2 and 1/4 round for building construction Round posts, for structural members in agricultural uses |

| AWPA Commodity Specification: Poles | |
|--|---|
| AWPA Use Category | Commodity Examples |
| UC 4A, 4B, and 4C | Utility poles (including laminated) Poles for highway and agricultural construction, lighting, building structural use |

Note: poles may be glued-or mechanically-laminated

| AWPA Commodity Specification: Piling | |
|---|---|
| AWPA Use Category | Commodity Examples |
| UC 4C | Foundation and Land & Fresh Water Piles |

| AWPA Commodity Specification Marine: (Salt Water/Brackish Water) Applications | |
|--|---------------------------|
| AWPA Use Category | Commodity Examples |
| UC 5A, 5B, and 5C | Bulkhead sheathing |

| | |
|--|--|
| | <p>Lumber/timbers use, including timbers, cross bracing, and highway construction</p> <p>Piles for marine applications</p> <p>Plywood for bridge and marine construction</p> |
|--|--|

| AWPA Commodity Specification: Sawn Products | |
|--|---|
| AWPA Use Category | Commodity Examples |
| UC 1, 2, and 3B | Guardrails for highway construction, including for golf course bridges meeting highway construction standards |
| UC4A | <p>Lumber/timber for highway construction, including for golf course bridges meeting highway construction standards</p> <p>Cross arms</p> <p>Fence rail (farm/agricultural only, round, ¼ round, ½ round)</p> |
| UC4B | <p>Highway bridge decking (above ground, structural, subject to critical/severe decay)</p> <p>Road salt/brine storage</p> <p>Highway construction materials, including cribbing, lighting</p> <p>Piles (structural support construction)</p> <p>Posts (sawn 4 sides) for highway construction, farm/agricultural use, spacer blocks, important building structural use</p> <p>Poles for structural building use</p> <p>Lumber/timbers (5 inches or greater) for structural use; highway construction and cribbing; retaining walls for highway uses; residential/business building support</p> <p>Lumber/ Timbers (2 x 8 inches and/or 3 x 6 inch or greater) for marine use (out of water, ground contact, including salt water splash zone)</p> |
| UC4C | Piles for structural support |

| AWPA Commodity Specification: Wood Composites | |
|--|---|
| AWPA Use Category | Commodity Examples |
| UC 1, 2, and 3B | <p>Composite lumber for structural uses</p> <p>Glue- or nail laminated structural members</p> <p>Plywood for agriculture, and farm use</p> |
| UC 4A | <p>PSL & LVL composite lumber for highway construction</p> <p>Members (laminates)</p> <p>Plywood for bridge and farm/agricultural use</p> |
| UC 4B | <p>Plywood for marine use in salt water splash zones</p> <p>Plywood for road salt/brine storage, highway construction materials</p> <p>Composite lumber for bridge and highway construction</p> <p>Glue-laminate members (important structural or saltwater splash)</p> |
| UC 4C | <p>Composite (PSL & LVL) lumber highway structural use</p> <p>Members (laminates) for critical structural uses</p> |

Note: laminates can be glued or mechanically fastened

Note: PSL = parallel strand lumber, LVL = laminated veneer lumber