



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

July 17, 2019

Mr. Joseph Suarez
Commercial Manager
Kennecott Utah Copper LLC
Rio Tinto
200E Randolph Street, Suite 7100
Chicago, Illinois 60601

Subject: Label Amendment – Revise disclaimer of warranties clause
Product Name: Kennecott Potato Vine Sulfuric Acid Desiccant
EPA Registration Number: 57559-1
Application Date: December 11, 2018
Decision Number: 547775

Dear Mr. Suarez:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance

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with FIFRA section 6. If you have any questions, please contact BeWanda Alexander by phone at (703)347-0313, or via email at alexander.bewanda@epa.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Erik Kraft". The signature is fluid and cursive, with a large initial "E" and a long, sweeping tail.

Erik Kraft, Product Manager 24
Fungicide and Herbicide Branch
Registration Division (7505P)
Office of Pesticide Programs

Enclosure

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

Corrosive: Causes irreversible eye damage and severe skin burns. May be fatal if swallowed or absorbed through skin or inhaled. Do not get in eyes, on skin or on clothing. Do not breathe spray mist. Prolonged or repeated skin contact with dilute solutions (such as equipment washwaters or rinsate) may cause allergic reactions in some individuals. Do not add water to container because of violent reaction.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

- Applicators and other handlers must wear:
 - Chemical-resistant protective suit and Chemical-resistant apron
 - Chemical (acid)-resistant gloves (neoprene, butyl rubber or polyethylene)
 - Chemical-resistant boots
 - Chemical-resistant headgear and Protective eyewear
 - Dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C), or a NIOSH approved respirator with any N, R, P or HE filter.

ACCEPTED

07/17/2019

Under the Federal Insecticide, Fungicide and Rodenticide Act, neoprene, butyl rubber, for the pesticide registered under EPA Reg. No. 57559-1

An adequate supply of water for drenching purposes needs to be immediately available.

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

User Safety Recommendations

USERS SHOULD:

1. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.
2. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
3. 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 pesticide is extremely toxic to fish and wildlife. Do not apply directly to water. Do not contaminate water by cleaning of equipment or disposal of wastes.

Storage and Disposal

Do not contaminate water, food, or feed by storage or disposal.
Storage: Contents may be under pressure of explosive hydrogen gas. Keep away from heat, sparks, and flames. Do not add water to container because of violent reaction.

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 Handling: Refillable container. Refill this container with 93% sulfuric acid desiccant only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal. Empty the remaining contents from this container into application equipment or mix tank and continue to drain for 10 seconds after flow begins to drip. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then refill or offer for recycling or reconditioning, or puncture and dispose of in appropriate landfill, or incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

RESTRICTED USE PESTICIDE

DUE TO SEVERE TISSUE CORROSIVE ACTION FOR RETAIL SALE TO AND USE ONLY BY CERTIFIED APPLICATORS OR PERSONS UNDER THEIR DIRECT SUPERVISION AND ONLY FOR THOSE USES COVERED IN THE "CERTIFIED APPLICATOR" CERTIFICATION

KENNECOTT® POTATO VINE

SULFURIC ACID DESICCANT

ACTIVE INGREDIENT (by weight): Sulfuric acid.....93.0%
 OTHER INGREDIENTS (by weight):.....7.0%
 TOTAL.....100.0%

15.3 lbs active ingredient / gallon
 Mfd. by: Kennecott, PO Box 6001, Magna, UT 84044
 EPA REG. NO. 57559-1 EPA EST. NO. 57874-UT-001

**KEEP OUT OF REACH OF CHILDREN
DANGER – POISON**



PELIGRO

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.)

CAUSES SEVERE BURNS. CONTENTS MAY BE UNDER PRESSURE OF EXPLOSIVE HYDROGEN GAS. AVOID HEAT, SPARK AND FLAME. DO NOT ADD WATER TO NON-EMPTY CONTAINER – RISK OF VIOLENT REACTION.

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. Call a poison control center or doctor immediately for treatment advice.
IF INHALED	<p>If inhaled:</p> <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 treatment advice.
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. Call a poison control center or doctor immediately for treatment advice. <p>Call a poison control center or doctor immediately for treatment advice.</p> <ul style="list-style-type: none"> • Have person sip a glass of water or milk if able to swallow. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give anything by mouth to an unconscious person.
IF SWALLOWED	<ul style="list-style-type: none"> • Do not give anything by mouth to an unconscious person.

IF YOU HAVE A POISONING EMERGENCY CALL 1-800-222-1222

Have label information available for poison control call or medical treatment. Physician Note: Probable mucosal damage may contraindicate gastric lavage. Avoid alcohol.

Refilled by: _____ EPA EST. No. _____ (US gallons)
 Net Contents: _____

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe consult the agency responsible for pesticide regulation. **The use of this product is restricted to the lands west of the Mississippi River.**

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), notification to workers, and restricted entry intervals. The requirements in this box only apply to uses of this product that are covered by this Worker Protection Standard.

Do not enter or allow worker entry into treated area during the restricted entry interval (REI) of five (5) days. PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil or water is: chemical-resistant protective suit, chemical (acid)-resistant gloves, chemical-resistant boots, chemical-resistant headgear, protective eyewear and dust/mist filtering respirator. chemical-resistant protective suit, chemical (acid)-resistant gloves, chemical-resistant boots, chemical-resistant headgear, protective eyewear and dust/mist filtering respirator.

Notify workers of the application by warning them verbally and by posting warning signs at entrances to treated areas.

TO KILL POTATO VINES:

Apply undiluted Sulfuric Acid (93%) at the rate of 17 – 28 gallons / Acre (260 – 428 lbs. active ingredient / Acre) of product, per application. Apply at least five (5) days prior to harvest to allow tubers to mature. Repeat after five (5) days if vines are not completely desiccated. Do not harvest within five (5) days of application. Max use rate of 30 gallons / Acre (459 lbs. active ingredient / Acre) of product, per application.

USE RESTRICTIONS:

Max single use = 30 gallons / Acre (459lbs. active ingredient / Acre)
Max yearly use = 90 gallons / Acre / Year (1,377 lbs. active ingredient / Acre / Year)
Max # of applications per year = Three (3) times
Retreatment interval (RTI) = Five (5) days
Pre-Harvest Interval (PHI) = Five (5) days
Do not apply by air

Mandatory Spray Drift Requirements

Ground Applications
Apply with the nozzle height recommended by the manufacturer, but no more than 3 feet above the ground or crop canopy.
For all applications, applicators are required to use a medium or coarser spray droplet size (ASABE S572.1).
Do not apply when wind speeds exceed 10 miles per hour at the application site.
Do not apply during temperature inversions.

Boom-less Ground Applications:
Applicators are required to use a medium or coarser droplet size (ASABE S572.1) for all applications. Do not apply when wind speeds exceed 10 miles per hour at the application site.
Do not apply during temperature inversions.

The applicator is responsible for avoiding off-site spray drift. Be aware of nearby non-target sites and environmental conditions.

Spray Drift Advisories

The applicator is responsible for avoiding off-site spray drift. Be Aware of nearby non-target sites and environmental conditions.

Importance of droplet size

An effective way to reduce spray drift is to apply large droplets. Use the largest droplets that provide target pest control. While applying larger droplets will reduce spray drift, the potential for drift will be greater if applications are made improperly or under unfavorable environmental conditions.

Controlling Droplet Size - Ground Boom:

- Volume: Increasing the spray volume so that larger droplets are produced will reduce spray drift. Use the highest practical spray volume for the application. If a greater spray volume is needed, consider using a nozzle with a higher flow rate.

- Pressure: Use the lowest spray pressure recommended for the nozzle to produce the target spray volume and droplet size.

- Spray Nozzle: Use a spray nozzle that is designed for the intended application. Consider using nozzles designed to reduce drift.

•BOOM HEIGHT - Ground Boom

Use the lowest boom height that is compatible with the spray nozzles that will provide uniform coverage. For ground equipment, the boom should remain level with the crop and have minimal bounce.

•SHIELDED SPRAYERS

Shielding the boom or individual nozzles can reduce spray drift. Consider using shielded sprayers. Verify that the shields are not interfering with the uniform deposition of the spray on the target area.

•TEMPERATURE AND HUMIDITY

When making applications in hot and dry conditions, use larger droplets to reduce effects of evaporation.

•TEMPERATURE INVERSIONS

Drift potential is high during a temperature inversion. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. The presence of an inversion can be indicated by ground fog or by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing. Avoid applications during temperature inversions.

•WIND

Drift potential generally increases with wind speed. **AVOID APPLICATIONS DURING GUSTY WIND CONDITIONS.** Applicators need to be familiar with local wind patterns and terrain that could affect spray drift.

Boom-less Ground Applications:

Setting nozzles at the lowest effective height will help to reduce the potential for spray drift.

Handheld Technology Applications:

Take precautions to minimize spray drift.