2020-08-20 Sub.No. 2020-3006

BACTRON K-48

OILFIELD MICROBIOCIDE SOLUTION

COMMERCIAL

GUARANTEE:

1-ALKYL (7%C8-6.5%C10-53%C12-19%C14-8.5%C16-6%C18) 1,3 - PROPANE - DIAMINE – DIACETATE (Alkyl groups as derived from coconut oil fatty acids) 20.0%

REGISTRATION NO. 19943 PEST CONTROL PRODUCTS ACT

DANGER

CORROSIVE TO EYES

POISON CORROSIVE

READ THE LABEL BEFORE USING NET CONTENTS UP TO 3000 L

ChampionX Canada ULC 6040 46^{TH} STREET SE CALGARY, AB T2C 4P9 403-234-7881

PHONE IN CASE OF EMERGENCY: CHEMTREC (800) 463-3216 (24 hours)

PRECAUTIONS

HAZARD TO HUMANS AND DOMESTIC ANIMALS. KEEP OUT OF REACH OF CHILDREN

DANGER: Corrosive, causes eye and skin damage. Do not get in eyes, on skin or on clothing. Wear goggles or face shield, chemical-resistant gloves, long pants, a long-sleeve shirt, and shoes and socks when handling. Harmful or fatal if swallowed. Avoid contamination of food.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to birds and aquatic organisms. DO NOT discharge effluent containing this product into sewer systems, lakes, streams, ponds, estuaries, oceans, or other waters.

2015-0036 2015-04-15

FIRST AID

IF IN EYES: 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 centre or doctor for treatment advice.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15–20 minutes. Call a poison control centre or doctor for treatment advice.

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IF INHALED: 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 centre or doctor for further treatment advice.

IF SWALLOWED: Call a poison control centre or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

TOXICOLOGICAL INFORMATION Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsion may be needed.

STORAGE AND HANDLING Store drums in a sheltered area away from heat and cold. Use approved equipment for transport of drums to avoid puncturing or rupturing of container. DO NOT use air pressure to transfer.

DIRECTIONS FOR USE

Apply the product using a closed delivery system such as a dry coupling and/or metering pump.

SECONDARY OIL PRODUCTION For the control of algae, slime forming and sulfate reducing bacteria in oilfield water floods, slug-treat at a rate of up to 1,000 ppm for up to 6 hours as needed to achieve control. Repeat treatment once a week or as needed to maintain control.

For continuous treatment, up to 300 ppm can be used initially to achieve control with maintenance levels of up to 150 ppm. Levels for effective control will vary depending on conditions at the site.

WELL COMPLETIONS, WORKOVER AND STIMULATION FLUIDS For the control of algae, slime forming and sulfate reducing bacteria dosage levels of up to 1,500 ppm for normal situations and up to 3,000 ppm for severe contamination is suggested. In packer fluids, doses up to 300 ppm are recommended.

PETROLEUM TRANSPORT AND STORAGE SYSTEM, AND SURFACE EQUIPMENT To control bacteria in crude oil pipelines, slug dose with up to 19.5 liter per diameter centimeter per kilometer of pipeline. Repeat weekly or as needed to control the bacteria. The appropriate dose will depend on the severity of the problem. Up to 150 ppm can be used in water for hydro-static testing and in treatment of water and crude oil storage facilities. This water should be used in subsurface injection systems only.

NOTICE TO USER This pest control product is to be used only in accordance with the directions on the label. It is an offence under the Pest Control Products Act to use this product in a way that is inconsistent with the directions on the label. The user assumes the risk to persons or property that arises from any such use of this product.

DISPOSAL 1. Triple- or pressure-rinse the empty container. Add the rinsings to the treatment site. 2. Follow provincial instructions for any required additional cleaning of the container prior to its disposal. 3. Make the empty container unsuitable for further use. 4. Dispose of the container in accordance with provincial requirements. 5. For information on the disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.