

2019-0957  
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CHEMICAL TREATMENT CL-216  
INDUSTRIAL MICROBIOCIDE

SOLUTION

For use with closed loading and transfer systems only (i.e. dry coupling).

ACTIVE INGREDIENT: Sodium dimethyldithiocarbamate.....15%  
Nabam.....15%

COMMERCIAL  
DANGER

“Precautionary symbols”

POISON      CORROSIVE

CORROSIVE TO EYES

SKIN IRRITANT

READ THE LABEL BEFORE USING

REGISTRATION NO. 18211.16 PEST CONTROL PRODUCTS ACT

CHEMTREAT, INC.  
5640 COX ROAD  
GLEN ALLEN, VIRGINIA 23060 USA  
Phone 800-648-4579

Net Contents: 208 litres  
See Markings On Top Of Drum For Net Weight In Kilograms

#### DIRECTIONS FOR USE:

DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

DO NOT discharge effluent containing this product into sewer systems, lakes, streams, ponds, estuaries, oceans or other waters.

#### INDUSTRIAL RECIRCULATING WATER COOLING TOWERS AND EVAPORATIVE CONDENSERS (NOT FOR USE IN POTABLE WATER)

Dosages for industrial recirculating water cooling towers or evaporative condensers will depend on the condition of the system prior to treatment initiation. Systems which are heavily contaminated should be cleaned first. Apply CHEMICAL TREATMENT CL-216 to the cleaned system or when growth is first noticed, according to the following schedule:

**INITIAL DOSE:** Apply 1.2 litres of product per each 10,000 litres of water in the system (120 ppm). This dose may be repeated once, twice or three times weekly or as required to control the growth of slime-forming organisms.

**SUBSEQUENT DOSE:** When microbial control is evident, add 0.2-0.4 litres of CHEMICAL TREATMENT CL-216 per 10,000 litres of water (20-40 ppm) in the system every three days or as needed.

#### AIR WASHERS WITH EFFECTIVE MIST ELIMINATORS

In treating air washer systems preclean by introducing a suitable detergent solution into the system and allow air washer to run with fan off for two hours. Flush. Check all nozzles and manually clean those that are plugged. Add product as specified under dosages for Cooling Towers.

#### FEEDING:

CHEMICAL TREATMENT CL-216 may be fed directly from the drum or diluted with water and fed by any suitable feed system. CHEMICAL TREATMENT CL-216 should be dosed directly into the sump or basin or any other location where good distribution can be assured.

#### PAPER MILLS

Dosage will vary from 0.05 to 0.5 kg (0.042 to 0.42 litres) of CHEMICAL TREATMENT CL-216 per tonne of finished paper depending on the type of stock, complexity of the system, quality of raw water, and type and degree of contamination.

#### FEEDING:

CHEMICAL TREATMENT CL-216 may be drip fed continuously from the drum or fed by suitable chemical pumps such as adjustable proportioning types; variable speed, positive displacement types; or by the reciprocating type. This product should be fed as early as possible in the system at such points including the hydropulper, machine chest or broke system.

## DRILLING FLUIDS

CHEMICAL TREATMENT CL-216 is a highly effective microbicide for use in controlling the growth of fungi and bacteria found in water-based drilling muds. It is especially useful in muds containing starches, xanthanate gums, and wood sugars. The uncontrolled growth of these fungi and bacteria can cause increased corrosion, undesirable odors, and degradation of the drilling mud, especially fluid loss properties. CHEMICAL TREATMENT CL-216 is used at the rate of 5 to 25 litres per 20,000 litres of mud (0.02% to 0.1%). It can be used directly from the shipping container or prediluted with water. It can be put in through the mud hopper or added to the pump suction.

## SECONDARY AND TERTIARY PETROLEUM RECOVERY

CHEMICAL TREATMENT CL-216 is a highly effective microbicide for use in controlling the growth of fungi and bacteria found in secondary and tertiary petroleum recovery waterflood systems.

CHEMICAL TREATMENT CL-216 can be injected directly from the shipping container. It should be thoroughly mixed into the produced water, fresh or salt water or commingled water or the secondary or tertiary oil recovery waterflood systems for effective micro-organism control. It may also be diluted with water for injection.

CHEMICAL TREATMENT CL-216 is used at the rate of 0.625 litres per 20,000 litres of water for growth inhibition of *Bacillus cereus* and *Desulfovibrio desulfuricans* and 5.5 to 9 litres per 20,000 litres of water for heterotropic bacteria including *Pseudomonas*. It is also effective against many fungi such as *Aspergillus*, *Penicillium* and *Trichoderma* at the rate of 0.625 litres per 20,000 litres of water.

## 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.

## ENVIRONMENTAL HAZARDS

TOXIC to aquatic organisms.

## PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN. Harmful if swallowed. CORROSIVE TO EYES. DO NOT get in eyes. May irritate the skin. Avoid contact with skin. Wear chemical-resistant coveralls over long-sleeved shirt, long pants, chemical-resistant footwear, chemical-resistant gloves, protective eyewear (goggles or face shield) when handling the product or treated process fluids or during clean-up and repair activities. Avoid contamination of food and feedstuffs. Do not discharge the effluents containing this product directly into lakes, streams, ponds, rivers, estuaries, oceans or public waters.

Treat the effluents in a Waste Water Treatment System before release. Do not contaminate these waters by direct application of the product, cleaning of the container and equipment or disposal of wastes.

#### FIRST AID

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

#### TOXICOLOGICAL INFORMATION

##### A. Symptoms:

May cause skin, eye and respiratory tract irritations. May cause skin sensitization reaction. May cause depression, lethargy and difficulty breathing.

##### B. Antidote:

Wash skin with soap and water. Flush eyes with copious amounts of water.

If ingested and person is fully alert, induce vomiting by physical means. When vomiting stops, administer charcoal and cathartic orally.

If inducing of vomiting is unsuccessful, or patient exhibits signs of central nervous system depression, the stomach should be emptied by gastric intubation, aspiration and lavage with slurry of activated charcoal. Include a cathartic to hasten elimination.

Caution: Monitor fluid balance and serum electrolytes.

**NOTICE TO USER:** This pest control product is to be used only in accordance with 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.