

2014-3088

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BIOSPERSE™ 280

MICROBIOCIDAL
INDUSTRIAL

DANGER



POISON

CORROSIVE TO EYES
SKIN IRRITANT

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

READ THE LABEL BEFORE USING

GUARANTEE:

| | |
|---|-----|
| Sodium Dimethyldithiocarbamate | 15% |
| Nabam (Disodium Ethylene Bis Dithiocarbamate) | 15% |

REGISTRATION NO.18775

PEST CONTROL PRODUCTS ACT

Net Contents:

Solenis Canada ULC
942 Brant Street
Burlington, ON L7R 2J7
Telephone: 1-905-632-7861
Emergency Telephone: 1-844-SOLENIS (1-844-765-3647)

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.

REFER TO MATERIAL SAFETY DATA HANDLING SHEET PRIOR TO USE.

PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN. Harmful or fatal if swallowed. CORROSIVE to the eye. DO NOT get in eyes. May irritate the skin. May cause allergic eczema. Avoid contact with skin, eyes and clothing. Wear goggles or face shield and rubber gloves when handling. Confine spills and absorb with inert material..

ENVIRONMENTAL HAZARDS: Toxic to aquatic organisms

FIRST AID:

In case of contact with 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.

In case of contact with 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 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

Ingestion may cause nervous depression. Oils increase absorbance and toxicity. Alcohol should be avoided.

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 or reconditioning.
3. Make the empty container unsuitable for further use.
4. Dispose of the container in accordance with provincial requirements.
5. For information on 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.

DIRECTIONS FOR USE:

DO NOT discharge effluent containing this product into sewer systems, lakes, streams, ponds, estuaries, oceans or other waters. DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

Wear protective eyewear (goggles or face shield), chemical-resistant coveralls over long-sleeved shirt, long pants, and chemical-resistant gloves and footwear when handling the concentrate and contacting treated process fluids.

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

Biosperse™ 280 is a high activity slimicide for use in industrial process water systems. It can provide excellent control of the growth of bacteria and fungi found in cooling towers and evaporative condensers. The dosage of Biosperse™ 280 will depend upon the nature and extent of the microbiological contamination, the type and volume of the system being treated, the degree of control desired and retention time in the system.

Use an Initial Dose of 120 ppm of Biosperse™ 280. This dose may be repeated once, twice or three times weekly or as required to control the growth of slime-forming organisms.

When microbial control is evident add 20-40ppm every three days or as needed to maintain good control.

For further details please refer to the product data sheet on Biosperse™ 280 or contact your Solenis Representative.

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: Biosperse™ 280 may be fed directly from the drum or diluted with water and fed by any suitable feed system. Biosperse™ 280 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 Biosperse™ 280 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: Biosperse™ 280 may be 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.

DO NOT use to treat paper or paperboard which will contact food.

DRILLING FLUIDS

Biosperse™ 280 is a highly effective microbiocide 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.

Biosperse™ 280 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

Biosperse™ 280 is a highly effective microbiocide for use in controlling the growth of fungi and bacteria found in secondary and tertiary petroleum recovery waterflood systems.

Biosperse™ 280 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.

Biosperse™ 280 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 heterotrophic 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.