

21-AUG-1998

TRAVIS CHEMICALS
T-398 BIOCIDES
(Solution in Ethylene Glycol)

FOR USE AS AN
Oilfield Biocide

COMMERCIAL

DANGER

POISON

CORROSIVE TO EYES

CORROSIVE

READ THE LABEL BEFORE USING

REGISTRATION NO. 19762
PEST CONTROL PRODUCTS ACT

NET CONTENTS - 200.0 KG

GUARANTEE:

1-alkyl(C6-C18)1.3-propane-diamine diacetate.....20.0%

TRAVIS CHEMICALS
777 - 8TH AVENUE S.W. 19TH FLOOR
CALGARY, ALBERTA
T2P 3R5

PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN.

DANGER! CORROSIVE!

THIS PRODUCT CONTAINS ETHYLENE GLYCOL. EXCESSIVE EXPOSURE TO ETHYLENE GLYCOL HAS BEEN SHOWN TO CAUSE BIRTH DEFECTS IN ANIMAL TESTS.

HARMFUL OR FATAL IF SWALLOWED.

CAUSES EYE AND SKIN BURNS.

Use only in well-ventilated areas.

Wear goggles or face shield and rubber gloves when handling.

Wash thoroughly with soap and water after handling.

Avoid contamination of food.

ENVIRONMENTAL HAZARD

This pesticide is toxic to fish. Do not discharge into lakes, streams, ponds, estuaries or public waters. Not for use in marine or estuarine oil fields. Open dumping is prohibited.

FIRST AID

EYE CONTACT: Immediately flush eyes with large amounts of water for at least 15 minutes. Get medical attention immediately.

SKIN CONTACT: Wash thoroughly with soap and water to ensure all material has been removed. Remove and wash contaminated clothing before reuse.

IF SWALLOWED: DO NOT induce vomiting. Immediately give several glasses of water. Avoid alcohol. If vomiting occurs, give fluids again. Do not give anything by mouth to an unconscious or convulsing person. Call a physician or a Poison Control Centre immediately.

IF INHALED, remove to fresh air. If not breathing, give artificial respiration. Get medical attention immediately.

TOXICOLOGICAL INFORMATION

CONTAINS ETHYLENE GLYCOL. There is no specific antidote. Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsion may be needed.

STORAGE

Container should be stored in a cool, dry and well-ventilated area. Keep container tightly closed when not in use. Exercise due caution to prevent damage to or leaking from the container. Do not use air pressure to transfer. Do not reuse empty container.

DISPOSAL

1. Rinse the emptied container thoroughly and add the rinsings to treatment site.
2. Follow provincial/territorial instructions for any required additional cleaning of the container prior to its disposal or reconditioning.
3. Dispose of the container in accordance with provincial/territorial requirements.
4. For information on the disposal or unused unwanted product and the cleanup of spills please contact the Provincial/Territorial Regulatory Agency or the Manufacturer.

SPILLAGE

Clean up spills immediately. For small spills, recover free liquid. Soak up residue with solid absorbent. Larger spills should be flushed to a collection basin for disposal. Clean area well with detergent and water. DO NOT FLUSH INTO SURFACE STREAMS. INFORM THE REGULATORY AGENCY AS INDICATED IN DISPOSAL #4.

PETROLEUM TRANSPORT, STORAGE SYSTEMS AND SURFACE EQUIPMENT.

To control bacteria in crude oil pipelines, slug dose with up to 19.5 litres per centimetre of diameter per kilometre of pipeline. Repeat weekly or as needed to control situation. The appropriate doses will depend on the severity of the problem.

Up to 150 ppm can be used in water for hydrostatic testing and in treatment of water and crude oil storage facilities. This water should be used in sub-surface injections systems only.

DIRECTIONS FOR USE

SECONDARY OIL PRODUCTION: For the control of algae, slime forming and sulphate reducing bacteria in oilfield waterflood slug treat at a rate up to 1000 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 control of algae, slime forming and sulphate reducing bacteria, dosage levels of up to 1500 ppm in normal situations and up to 3000 ppm for severe contamination is suggested. In packer fluids, doses up to 300 ppm is recommended.

NOTICE TO USER: This control product is to be used only in accordance with the directions on this label. It is an offence under the PEST CONTROL PRODUCTS ACT to use a control product under unsafe conditions.

NOTICE TO BUYER:

Seller's guarantee shall be limited to the terms set out on the label and subject thereto. The buyer assumes the risk to persons or property arising from the use or handling of this product and accepts the product on that condition.

EMERGENCY TELEPHONE NUMBERS

Travis Chemicals 1-403-263-8660

Emergency Response 1-403-424-1754

This label transcript service is offered by the Pest Management Regulatory Agency to provide efficient searching for label information. This service and this information do not replace the official hard-copy label. The PMRA does not provide any guarantee or assurance that the information obtained through this service is accurate, current or correct, and is therefore not liable for any loss resulting, directly or indirectly, from reliance upon this service.

+))