

Brenntag Canada Inc.

Brenntag T-351 Antimicrobial

A MICROBIOCIDE FOR USE IN CONTROLLING SULFATE REDUCING BACTERIA AND SLIME FORMING BACTERIA IN OIL WELL DRILLING, OIL FIELD PROCESSING APPLICATIONS, AND OIL FIELD WATER SYSTEMS SUCH AS STREAM INJECTION WATER HOLDING TANKS, FLOOD WATER, INJECTION WATER, HOLDING POND WATER, DISPOSAL WELL WATER, AND WATER HOLDING TANKS.

REGISTRATION NO. 28192 PEST CONTROL PRODUCTS ACT

GUARANTEE: Glutaraldehyde.....50%

COMMERCIAL

DANGER



POISON

CORROSIVE

READ THE LABEL BEFORE USING

Corrosive Liquid, Acidic, Organic, NOS (Glutaraldehyde Solution), UN3265

**IN CASE OF EMERGENCY, TELEPHONE (24 HOURS PER DAY) CALL COLLECT
(403) 263-8660**

Brenntag is a trademark of Brenntag Canada Inc.

Brenntag Canada Inc.
43 Jutland Road
Toronto, Ontario M8Z 2G6

Net Contents: 200 L

**PRECAUTIONS
HAZARDS TO HUMANS**

**DANGER
KEEP OUT OF REACH OF CHILDREN**

Corrosive. Causes irreversible eye damage. Causes skin burns.
Harmful if inhaled. Harmful or fatal if swallowed. Harmful if absorbed through skin.
Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Causes asthmatic signs and symptoms in hyperreactive individuals

Do not get in eyes, on skin, on clothing.
Do not inhale fumes or vapor. Do not swallow.

When handling the concentrate and during cleaning, maintenance and repair activities on contaminated equipment, wear goggles and face shield, chemical resistant gloves, protective clothing (i.e., long sleeve shirt, long pants and apron) and boots. Wash thoroughly with soap and water after handling. Use only in well ventilated area. Remove contaminated clothing and wash before reuse.

FIRST AID INSTRUCTIONS

IF IN EYES: Wash immediately and continuously with flowing water for at least 30 minutes. Remove contact lenses, if present, after the first 5 minutes and continue washing. Call a poison control centre or doctor immediately 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.

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. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give any liquid to the person. 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

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

DISPOSAL

Returnable Containers

Do not reuse this container for any purpose. For disposal, this empty container may be returned to the point of purchase (distributor/dealer).
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 the case of a spill, and for clean-up of spills.

Refillable Containers

For disposal, this empty container may be returned to the point of purchase (distributor/dealer).

It must be refilled by the distributor/dealer with the same product. Do not use this container for any other purpose.

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 the case of a spill, and for clean-up of spills.

STORAGE AND HANDLING

Brenntag T-351 Antimicrobial solutions are corrosive in many commonly used materials of construction such as steel, galvanized iron, aluminum, tin and zinc. These solutions can be stored and handled in baked phenolic lined steel, polyethylene, stainless steel, or reinforced epoxy-plastic equipment. This product freezes at about minus 21°C.

Therefore, unless the storage tank is inside or underground, heating and insulation may be required. If heating is needed, exposure to high temperatures should be avoided. For short storage times (up to about 1 month), temperatures of up to 38°C can be tolerated but the preferred maximum storage temperature is about 27°C.

A stainless steel centrifugal pump is suggested for transfer service. Spiral wound stainless steel with TEFLON is suitable for gaskets and packing.

DIRECTIONS FOR USE

WATER FLOODS

Brenntag T-351 Antimicrobial should be added to a water flood system at a point of uniform mixing.

Initial Treatment: When the system is noticeably contaminated, 100 to 5000 ppm Brenntag T-351 Antimicrobial to the system (0.1 to 5 Liters Brenntag T-351 Antimicrobial per 1000 liters flood water). Repeat until control is achieved.

Subsequent Dose: When microbial control is evident, add 20 to 5000 ppm Brenntag T-351 Antimicrobial (0.02 to 5 Liters Brenntag T-351 Antimicrobial per 1000 Liters flood water) to the system weekly, or as needed to maintain control.

DRILLING MUDS/DRILLING, COMPLETION, WORKOVER FLUIDS

Brenntag T-351 Antimicrobial should be added to drilling fluid system at a point of uniform mixing such as the circulating mud tank.

Initial Treatment: Add 50 to 1000 ppm Brenntag T-351 Antimicrobial (0.8 to 15.1 Liters Brenntag T-351 Antimicrobial per 100 barrels of fluid) to freshly prepared drilling fluid, depending on the severity of contaminator.

Maintenance Dosage: Maintain a concentration of 50 to 1000 ppm Brenntag T-351 Antimicrobial by adding 0.8 to 15.1 Liters of Brenntag T-351 Antimicrobial per 100 barrels of additional fluid), or as needed, depending on the severity of contamination.

PACKER FLUIDS

Brenntag T-351 Antimicrobial should be added to a packer fluid at a point of uniform mixing such as a circulating holding tank. Add 50 to 600 ppm Brenntag T-351 Antimicrobial (0.8 to 9.5 Liters of Brenntag T-351 Antimicrobial per 100 barrels of fluid) to a freshly prepared fluid, depending on the severity of contamination. Seal the treated packer fluid in the wall between the casing and production tube.

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.

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.