**TOLCIDE® 4FRAC**

**OIL AND GAS ANTIMICROBIAL**

**DIRECTIONS FOR USE**

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

**Hydraulic Fracturing [Not for Use in California]**

TOLCIDE® 4FRAC should be added to the frac water storage tanks or directly into the well head injection pipeline as the water is being pumped downhole. Add 100-600 ppm of TOLCIDE® 4FRAC (44-262 ppm THPS), depending on the degree of bacterial fouling in the source water.

**KEEP OUT OF REACH OF CHILDREN**

**DANGER**

In case of emergency, call CHEMTREC at 1-800-424-9300

Manufactured for:

**SOLVAY USA INC.**
8 Cedar Brook Drive • CN 7500
Cranbury, NJ 08512-7500 • 609-860-4000

Active ingredient produced in the United Kingdom and/or China

**ENVIRONMENTAL HAZARDS**

This product is toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

**STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage or disposal.

**STORAGE:** Store this product in a cool, dry area away from direct sunlight and heat to avoid deterioration. In case of a spill, flood the area with large quantities of water.

**PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**CONTAINER HANDLING AND DISPOSAL:** Nonrefillable container [greater than 5 gallons]. Do not reuse or refill this container. Offer for recycling or reconditioning if appropriate. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinseate into application equipment or a mix tank or store rinseate for later use or disposal. Repeat this procedure two more times. Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinseate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

**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 center 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 center or doctor for treatment advice.

**If swallowed:**
- Have person sip a glass of water if able to swallow.
- Do not induce vomiting unless told to do so by a poison control center or doctor.
- Do not give anything by mouth to an unconscious person.

**If inhaled:**
- Move person to fresh air.
- If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.
- Call a poison control center or doctor for further 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 center or doctor for treatment advice.

**If swallowed:**
- Have person sip a glass of water if able to swallow.
- Do not induce vomiting unless told to do so by a poison control center or doctor.
- Do not give anything by mouth to an unconscious person.

**If inhaled:**
- Move person to fresh air.
- If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.
- Call a poison control center or doctor for further treatment advice.

**ACTIVE INGREDIENT:**
- Tetrakis(hydroxymethyl) phosphonium sulfate……………….    44%
- Alky (50% C18, 40% C16, 10% C14) dimethyl benzyl ammonium chloride ………………………………………. 6%
- OTHER INGREDIENTS…………………………….……………….    50%
- TOTAL: .............................................................. 100%

**EPA Reg. No. 4564-22**

**EPA Est:**
- 80347-TX-1
- 81448-TX-1
- 81448-TX-2
- 81448-TX-3
- 81448-WV-1

**PRECAUTIONARY STATEMENTS**

**HAZARD TO HUMANS AND DOMESTIC ANIMALS**

DANGER: Corrosive. Causes irreversible eye damage and skin burns. Do not get in eyes, on skin, or on clothing. May be fatal if swallowed, absorbed through the skin, or inhaled. Do not breathe vapor or spray. Prolonged or frequent repeated skin contact may cause allergic reactions in some individuals. Wear covers over long-sleeved shirt and long pants, chemical-resistant footwear, waterproof or chemical-resistant rubber gloves and protective eyewear or goggles when handling. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

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**Note to physician:** Probable mucosal damage may contraindicate the use of gastric lavage.