PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

KEEP OUT OF REACH OF CHILDREN

DANGER

Corrosive. Causes irreversible eye damage. Causes skin irritation. Harmful if inhaled. Harmful 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 hyper-reactive individuals.
Do not get in eyes, on skin, on clothing; Avoid breathing vapor; Do not swallow; Wear goggles, protective clothing, and butyl or nitrile gloves; Wash thoroughly with soap and water after handling; Remove contaminated clothing and wash before reuse.

ENVIRONMENTAL HAZARDS

This pesticide 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 HANDLING

MBC 255 is incompatible with many commonly used materials of construction such as steel, galvanized iron, aluminum, tin, and zinc. MBC 255 can be stored and handled in baked phenolic-lined steel, polyethylene, stainless steel, or reinforced epoxy-plastic equipment. This product freezes at about 14° F (-10° 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 100° F (37.8° C) can be tolerated but the preferred maximum storage temperature is about 80° F (26.7° C).

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

Handle in a well-ventilated area. If vapors are irritating to the nose or eyes, special ventilation or respiratory protection (MSHA/NIOSH approved air purifying respirator equipped with an organic vapor cartridge) may be required.

LIMITED WARRANTY AND DISCLAIMER

Seller warrants that the product conforms to its chemical description as contained on this label and is reasonably fit for the purposes stated on this label when used in accordance with directions under normal conditions of use. THE WARRANTIES MADE IN THIS PARAGRAPH ARE SELLER'S SOLE WARRANTIES WITH RESPECT TO THE PRODUCT AND ARE MADE EXPRESSLY IN LIEU OF AND EXCLUDE ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE AND ALL OTHER EXPRESS OR IMPLIED REPRESENTATIONS AND WARRANTIES.

BEFORE HANDLING OR USING THIS PRODUCT, SEE YOUR EMPLOYER AND READ CURRENT MATERIAL SAFETY DATA SHEET.

STORAGE AND DISPOSAL

PESTICIDE DISPOSAL: Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited. Pesticide wastes are toxic. 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 your Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL:
Nonrefillable container. Do not reuse or refill this container. Triple or pressure rinse container (or equivalent) promptly after emptying. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or other procedures approved by state and local authorities.

UN3265

CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.
(GLUTARALDEHYDE) 8, PG III

MBC 255

ANTIMICROBIAL

A highly effective Microbiocide for use in controlling Bacteria including Slime Forming Bacteria and Sulfate-Reducing Bacteria, Fungi (Yeast and Molds) and Algae in Water Floods; Frac Fluids; Drilling, Completion, and Workover Fluids; Packer Fluids; Gas Production and Transmission Pipelines and Systems; Gas Storage Wells and Systems; Hydrotesting; Pipeline Pigging and Scraping Operations.

ACTIVE INGREDIENT:

Glutaraldehyde	25%
INERT INGREDIENT(S):	75%
TOTAL:	100%

KEEP OUT OF REACH OF CHILDREN

DANGER

FIRST AID	
IF SWALLOWED	• Call a poison control center or doctor immediately for treatment advice. • DO NOT INDUCE VOMITING. • Do not give anything to drink.
IF IN EYES	• Wash immediately and continuously with flowing water for at least 30 minutes. • Remove contact lenses after the first 5 minutes and continue washing. Obtain prompt medical consultation, preferably from an ophthalmologist. • Call a poison control center 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 center or a doctor for treatment advice.
IF INHALED	• Move person to fresh air. • If person is not breathing, call 911 or an ambulance, and then give artificial respiration, preferably mouth-to-mouth, if possible. • Call a poison control center or a doctor for further treatment advice.
NOTE TO PHYSICIAN	
Aspiration may cause lung damage. Probable mucosal damage may contraindicate the use of gastric lavage.	
Have the MSDS and, if available, the product container or label with you when calling a poison control center or a doctor, or going for treatment.	
IN CASE OF EMERGENCY endangering life or property involving this product call CHEMTREC 1-800-424-9300	
SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS	

Manufactured by:

Nashville Chemical
Redefining Water Treatment Services

NASHVILLE CHEMICAL & EQUIPMENT COMPANY
7340 COCKRILL BEND BLVD.
NASHVILLE, TN 37209
615-350-7070

EPA REG. NO. 464-688-44392 **EPA EST. NO. 44392-TN-03**

NET CONTENTS: **2434** **Lb.** **275** **Gal.**

DIRECTIONS FOR USE

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

WATER FLOODS

MBC 255 should be added to a water flood system at a point of uniform mixing.
Initial Treatment: When the system is noticeably contaminated, add 200 to 10,000 ppm MBC 255 to the system (0.2 to 9.4 gallons MBC 255 per 1,000 gallons flood water). Repeat until control is achieved.
Subsequent Dose: When microbial control is evident, add 40 to 10,000 ppm MBC 255 (0.04 to 9.4 gallons MBC 255 per 1,000 gallons flood water) to the system weekly, or as needed to maintain control.

FRAC FLUIDS

Product not registered for this use in the State of California
MBC 255 reduces bacterial contamination and degradation of fracturing fluids and gels used in oil and gas well stimulations. Add MBC 255 to the frac water storage tanks or directly into the well head injection pipeline as the water is being pumped down-hole.
Dose Range: MBC 255 should be added at a rate of 200 to 10,000 ppm (1.9 – 94 gallons per 10,000 gallons) depending on the degree of bacterial fouling in the source water.

DRILLING, COMPLETION, AND WORKOVER FLUIDS

MBC 255 should be added to a drilling fluid system at a point of uniform mixing such as the circulating mud tank.
Initial Treatment: Add 100 to 2,000 ppm MBC 255 (0.4 to 7.9 gallons MBC 255 per 100 barrels of fluid) to a freshly prepared fluid depending on the severity of contamination.
Maintenance Dosage: Maintain a concentration of 100 to 2,000 ppm MBC 255 by adding 0.4 to 7.9 gallons of MBC 255 per 100 barrels of additional fluid, or as needed, depending on the severity of contamination.

PACKER FLUIDS

MBC 255 should be added to a packer fluid at a point of uniform mixing such as a circulating holding tank. Add 100 to 1,200 ppm MBC 255 (0.4 to 4.7 gallons MBC 255 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.

GAS PRODUCTION AND TRANSMISSION PIPELINES AND SYSTEMS

MBC 255 should be added to a gas production or transmission pipeline via direct injection. The application should be conducted to ensure maximum distribution of MBC 255 throughout the entire internal pipeline surface by adding a sufficient amount of biocide to detect/measure a residual concentration at the back end of the pipeline system. Criteria for success of the treatment will be a reduction in bacterial counts and/or reduced corrosion rates. To facilitate application, it may be desirable to dilute the MBC 255 with an appropriate solvent immediately before use. The concentration in the solvent should not fall below an active concentration range of 500 to 5,000 ppm based on the volume of water in the pipeline. Injections to the system should be weekly, or as needed to maintain control.

GAS STORAGE WELLS AND SYSTEMS

Individual injection wells should be treated with sufficient quantity of MBC 255 to produce a concentration of 1,000 to 10,000 ppm MBC 255 when diluted by the water present in the formation. Injection should take place before gas is injected (during the summer). Injections should be repeated yearly, or as needed to maintain control.

Individual drips should be treated with a sufficient quantity of MBC 255 to produce a concentration of 400 to 4,000 ppm MBC 255 when diluted by the water present in the drip. Injections should be repeated yearly, or as needed to maintain control.

HYDROTESTING

Water used to hydrotest pipelines or vessels should contain 200 to 8,000 ppm MBC 255 (0.2 to 7.5 gallons MBC 255 per 1,000 gallons water), depending on water quality and length of time the equipment will remain idle.

PIPELINE PIGGING AND SCRAPING OPERATIONS

Add MBC 255 to a slug of water immediately following the scraper (ideally this water volume can be kept to a minimum and contained between the scraper and a trailing pig). Sufficient MBC 255 should be added to produce a concentration of 0.2 to 2.0% (0.2 to 1.9 gallon MBC 255 per 100 gallons water), depending on the length of the pipeline and the severity of biofouling.

NOTICE
Do Not Ship or Store with Food, Feeds, Drugs, or Clothing