CONTRAM™ ST-1

Inhibits the Growth of Bacteria in Metalworking, Cutting, Cooling and Lubricating Fluid Concentrates that will be used only in Closed or Semi-Enclosed Machines (as described in the Directions for Use)

KEEP OUT OF REACH OF CHILDREN

DANGER: CORROSIVE

See side/back panel for additional precautionary statements

First Aid

If on Skin: 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 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. Call a poison control center 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 mouth-to-mouth if possible. Call a poison control center or doctor for treatment advice.

If Swallowed:  Call a poison control center or doctor for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor. Do not give anything to an unconscious person.

Emergency phone number: 1-800-424-9300

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

Have the product container or label with you when calling the poison control center or doctor or going for treatment advice

ACTIVE INGREDIENT

N,N-Methylenebismorpholine........................................98.5%
OTHER INGREDIENT(S)..............................................1.5%
TOTAL: ........................................................................100.00%

This product contains 8.73 lbs of N,N-Methylenebismorpholine per gallon.

EPA Registration No. 52484-3 The Lubrizol Corporation
EPA Establishment No. 52484-OH-001 29400 Lakeland Boulevard
Wickliffe, Ohio 44092-2298 (440) 943-4200

Net Contents: 55 gallon container (filled by weight not volume) 441 lb (200 KG)

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMAN AND DOMESTIC ANIMALS

DANGER

Corrosive. Causes skin burns. Causes irreversible eye damage. May be fatal if inhaled. Do not breathe mist. Do not get in eyes, on skin or on clothing. Wear coveralls worn over long-sleeved shirt and long pants, socks, chemical-resistant footwear, chemical-resistant (such as nitrile or butyl) gloves, and protective eyewear. For closed loading systems that are engineered to eliminate contact with aerosols and vapors, workers must have access to a respirator with an organic-vapor removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G), or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any R, P or HE prefilter. For open pour systems, workers must wear the type of respirator specified above. 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.

ENVIRONMENTAL HAZARDS

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.

DIRECTIONS FOR USE

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

For use in metalworking, cutting, cooling and lubricating fluid concentrates that will be used only in closed or semi-enclosed machines. Semi-enclosed machines are machines that provide protective mist containment. Do not apply this product directly to the end-use fluids.

TO INHIBIT THE GROWTH OF BACTERIA IN METAL-WORKING, CUTTING, COOLING AND LUBRICATING FLUID CONCENTRATES: Add an amount to the concentrate that will provide between 1000 and 2000 ppm in the final concentration of the product in the end-use fluid. The amount required in the concentrate will depend on the recommended end-use dilution. The end-use dilution will vary depending on the user’s working environment.

To determine the appropriate amount of product to be added to the concentrate follow these simple steps:

Step #1: determine desired concentration in the end-use fluid (c″ in ppm)

Step #2: based on the recommended end-use dilution of the concentrate (b″ in %) calculate the amount of product (c″ in ppm) to be added to the concentrate using the formula:

\[C = \frac{a \times 100}{b}\]

Where % added to concentrate = C / 10,000

OVERVIEW

Minimum Inhibitory Concentrations (MICs) have been established for this product against a broad spectrum of microorganisms in vitro. Many bacterial species were found to have a MIC of less than 1000 ppm. Fungal species were less effectively inhibited by this product. In view of the product-related variables discussed above, minimum use level recommendations are not included.

We recommend that users contact The Lubrizol Corporation, Customer Service for additional information at (877) 646-8311.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in well ventilated area in original container only. Storage area needs to be covered to prevent water from entering.

PROCEDURE FOR LEAKS OR SPILLS: Place container in overpack drum. Residual material can be absorbed by inert material.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray misture or rinseate 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 DISPOSAL: Nonrefillable container. Do not reuse this container to hold materials other than pesticides or dilute pesticides (rinseate). After emptying and cleaning, it may be allowable to temporarily hold rinseate or other pesticide-related materials in the container. Contact your state regulatory agency to determine allowable practices in your state. Offer for recycling or reconditioning, as available. Triple rinse or pressure rinse container (or equivalent) promptly after emptying.

WARRANTY STATEMENT

The Lubrizol Corporation warrants that this product conforms to the chemical description on the label and is reasonably fit for the purpose referred to in the directions for use. The Lubrizol Corporation MAKES NO OTHER WARRANTIES OR REPRESENTATIONS OF ANY KIND, EXPRESS OR IMPLIED, CONCERNING THE PRODUCT, INCLUDING NO IMPLIED WARRANTEE OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE, AND NO SUCH WARRANTEE SHALL BE IMPLIED BY LAW. The exclusive remedy against The Lubrizol Corporation for any cause of action relating to the handling or use of this product shall be limited to a refund of the purchase price or replacement of the product. To the extent allowed by law, The Lubrizol Corporation shall not be liable and any and all claims against The Lubrizol Corporation are waived for special, indirect, incidental, or consequential damages or expenses of any nature, including, but not limited to, loss of profits or income. The Lubrizol Corporation and the seller offer this product and the buyer and user accept it, subject to the foregoing conditions of sale and limitation of warranty, liability and remedies.

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