



www.micro-blaze.com

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## Application Rates for Micro-Blaze® Emergency Liquid Spill Control

*For pure product spills [no water]:* Determine amount of contamination by volume. 10% of that volume is the amount of Micro-Blaze® Emergency Liquid Spill Control concentrate to apply, diluted. (example: 350 gallons of pure product contamination, have 35 gallons of concentrate.) Apply diluted to the specific percentage rate per contamination parameters (age of spill, type of contaminant, volatility, viscosity, etc.) *Apply it forcefully to pure product spills with good pressure*, so the oils will be thoroughly mixed with the Micro-Blaze® solution. Take care not to splash spill onto nearby equipment, personnel, etc.

*For contaminated slurries, tanks with product and water, etc.:* Determine total volume of contamination, including water. Then determine a general volume of the contaminant in the slurry. 10% of the contamination volume is the amount of Micro-Blaze® Emergency Liquid Spill Control to apply. Dilute it as needed, taking into consideration the present volume of water already in the slurry.

*Example:* you have 2500 gallons of slurry to remediate. You determine approximately 500 gallons is contamination and 1200 gallons is water, with the remainder dirt or inorganic material. You will dilute 50 gallons of Micro-Blaze® Emergency Liquid Spill Control to a 3% solution. Since you already have 1200 gallons of water, you will need to add 465 gallons more to create a 3% solution in your slurry. [ $50 \text{ gallons} / 3\% = 1665 \text{ gallons water}$ , less 1200 gallons = 465 gallons to add].

*For contaminated dirt:* The general "rule of thumb" is to determine total cubic yards affected. For every 10 cubic yards of dirt, you will need to apply one gallon of Micro-Blaze® Emergency Liquid Spill Control, diluted. Keep the project moist – microbes need moisture to work.

**Dilution rates:** Usually, heavier weight oils like motor oils and hydraulic fluids use a 3% solution of Micro-Blaze® Emergency Liquid Spill Control mixed with water. *Hint:* for every 10 gallons of concentrate, dilute to a 3% solution with 333 gallons of water ( $10 \text{ gallons} / 3\% = 333 \text{ gallons water}$ ). *More is not better* – 3% allows the water to help cut up the hydrocarbon molecules.

The LELs of lighter weight and volatile fluids can be knocked down with an application of Micro-Blaze® Emergency Liquid Spill Control in a 6% solution. (Dilute every 10 gallons of concentrate with 167 gallons of water; see equation above.)

**\*\*CARE SHOULD BE EXERCISED** when applying Micro-Blaze® solutions to spills. Boom off spill to prevent run-off. Emergency responders should wear appropriate personal protective equipment per local regulatory protocols and guidelines.

For rates of application for specific situations, please contact your Micro-Blaze® distributor or contact Verde Environmental's toll-free number: 800 / 626 –6598 or [salesmicro@micro-blaze.com](mailto:salesmicro@micro-blaze.com).

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