

## INFORMATION

# OIL AID-A-40

FORMIC ACID (Various Concentrations)

### DESCRIPTION

OIL AID-A-40 is an acidizing agent for stimulating/completing oil and gas wells. The product reacts slowly with carbonate formations and can be inhibited for use at temperatures up to 350° F. It comes in a variety of concentrations, per customer requirements, ranging from 9% (typical field strength) to 90 % active concentrate. Its properties are:

Form	Clear liquid
Specific Gravity	1.02 to 1.22
Freeze Point	approx. 25° F (concentrate)
Flash Point	156° F (concentrate) (9% solution is not flashable)

### APPLICATION

A 9% solution of OIL AID-A-40 will dissolve as much limestone as an 11% solution of acetic acid or a 7% solution of hydrochloric acid. OIL AID-A-40 solutions are compatible with most common oilfield additives.

### RECOMMENDED TREATMENT

The normal and maximum concentration of OIL AID-A-40 used in well treating is 9% in solution. Higher concentrations may cause an insoluble, solid precipitate to form. If the product is purchased in 9% active content, it is ready to use, as is. If purchased at a full strength concentrate, prepare 1000 gal of a 9% solution by add 100 gal of OIL AID-A-40 to 900 gal of water.

### HANDLING

Goggles and rubber gloves must be worn when handling OIL AID-A-40. The product must be considered a dangerous chemical. Eye contact may cause permanent damage. If contact should occur, wash continuously with water for 15 minutes and obtain medical attention. Concentrated OIL AID-A-40 will cause severe burns to the skin. In case of contact, flush immediately with water and wash with soap and water. Use in a well ventilated area. Fumes are very irritating.

**PACKAGING**

OIL AID-A-40 is packaged in 55-gal drums.

OIL AID-A-40 is a Messina trademark