REVELUTIONARY TECHNOLOGY THAT DELIVERS CLEAN AND GREEN.
EASILY WIPE AWAY TOUGH SOILS FOR BREAKTHROUGH CLEANING.
JUST DILUTE WITH WATER TO MEET YOUR NEEDS.

STEPOSOL® CITRI-MET is a fully formulated solution comprised of STEPOSOL® MET-10U Nobel Prize-winning metathesis chemistry, ecologically responsible citrus terpenes, and surfactant emulsifiers. Diluted to a solution of 96 percent water, STEPOSOL® CITRI-MET surpasses the cleaning and solvency power of products containing up to 40 percent petroleum-based solvents and requires a low use level, less dwell time, and less mechanical action.

This patent-pending technology comes to you ready for dilution to meet your specific product needs. STEPOSOL® CITRI-MET has a low VOC of 0.5% at a 1:14 dilution level and active ingredients are derived from bio-based sources to give it a greener profile.

STEPOSOL® CITRI-MET covers a wide range of industrial applications. Various dilutions can produce products for cleaning metal parts, removing crude oil stains, washing oil field rigs, industrial laundry pretreatment, stripping latex, removing adhesive, and cleaning up graffiti.

TAR REMOVAL

Here’s a mixed crude-oil tar stain on a simulated automobile surface.

With just a few wipes, the 1:14 dilution of STEPOSOL® CITRI-MET, containing 96% water, completely removes the baked on tar.

The commercial product specifically made for the job, containing petroleum distillates and glycol ethers, just smears the soil.

For Oilfield applications, a 1:2 to 1:4 dilution may be required for heavy baked on soils.

Soil: Tar baked on car panel at 50 °C for one hour
Test: Three cycles of spraying product, waiting 30 seconds, then wiping

EB: Ethylene glycol monobutyl ether
IPA: Isopropyl alcohol

Before
One Application
Two Applications
Three Applications

Commercial Tar Remover
40% Solvent: Petroleum Distillates, EB, IPA
Formulation No. 1237

Bug and Tar Remover with STEPOSOL® CITRI-MET
40% VOC

Formulation No. 1237
0.5% VOC
**METAL CLEANING**

No water droplets on the 5% STEPOSOL® CITRI-MET metal coupon indicates successful removal of the hydrophobic oil. STEPOSOL® CITRI-MET, at half the concentration, provides equivalent performance to the alkaline commercial metal cleaner containing phosphates, potassium hydroxide, and silicates.

Soil: Anti-corrosion petroleum lubricating oil

Test: Spread oil on stainless steel coupon. Immerse half of coupon in product for 15 minutes. Rinse coupon with water. Observe water-breaking

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**GRAFFITI REMOVAL**

![Graffiti Remover](image)

**Commercial Graffiti Remover**
100% Solvent: Acetone, NMP
50% VOC

**Graffiti Remover with STEPOSOL® CITRI-MET**
Formulation No. 1239
15% VOC

The product on the left is 100% solvent-based with NMP. Although the harsher solvent works quickly, it can strip the paint from the underlying surface and also smears the paint during removal.

STEPOSOL® CITRI-MET at 1:4 dilution, containing 87% water, takes a few minutes to penetrate spray paint, but minimizes the potential for damage while dissolving the paint for easy removal.

Soil: Dried spray paint on baked enamel traffic sign panel

Test: Spray product, wait one minute, follow with wiping

NMP: N-Methylpyrrolidone
DB: Diethylene glycol monobutyl ether
PPh: Propylene glycol phenyl ether

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**ADHESIVE REMOVAL**

![Adhesive Remover](image)

**Commercial Adhesive Remover**
100% Solvent: d-Limonene
20% VOC

**Adhesive Remover with STEPOSOL® CITRI-MET**
Formulation No. 1243
1.5% VOC

The 100% solvent product spreads the adhesive. STEPOSOL® CITRI-MET 1:4 dilution dissolves it for easy clean-up.

Soil: Dried adhesive on panel

Test: Spray product, wait five minutes. Wipe with paper towel

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The water-based, 15% solvent product requires an additional 15 seconds of wiping to remove the adhesive.

Soil: Dried adhesive on panel

Test: Spray product, wait five minutes. Wipe for 10 seconds. Spray product again, wait two and a half minutes. Wipe for 15 seconds.

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