

# STA-SOL<sup>®</sup> ME 1100C

## Product Bulletin

### PACKAGING & STORAGE

Sta-Sol<sup>®</sup> ME is packaged in 5 gallon pails and 55 gallon HPDE drums (452# net). Totes and bulk quantities also available upon request.

Sta-Sol<sup>®</sup> microemulsion concentrates remain homogeneous liquids at  $-12^{\circ}$  C. Contact us for more information about material compatibility.

### CONTACT INFO

#### Distributed By:

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## Product Description

Sta-Sol<sup>®</sup> microemulsions are a line of semi-formulated products ideal for aqueous cleaning applications. They are compatible with a wide variety of other solvents and additives and can be used “as-is” by the end user or by the formulator as the core in a fully-formulated product.

**Sta-Sol<sup>®</sup> ME 1100C** is a flexible, general purpose microemulsion concentrate delivering powerful solvency for many cleaning and formulating applications. This product is designed for use on moderately polar soils and may be enhanced with the addition of co-solvents.

## Featured Applications

- Degreasing/Tar Removal
- Paint stripping and graffiti removal
- Concrete surface cleaning
- Electronics Process Cleaning
- Floor Cleaning
- Ink Remover
- Industrial hard surface cleaners
- Many More uses and applications

## Environmental, Health & Safety

- Not included CERCLA/SARA hazardous substances list
- Not required SARA Section 313
- Not considered a hazardous waste under RCRA
- Not included on the CWA list of hazardous substances
- Not a hazardous air pollutant (Clean Air Act)
- Not considered VOCs (CA, US, EU, CAN)<sup>1</sup>
- Biodegradable<sup>2</sup>
- Non Flammable<sup>3</sup>
- Not listed as ozone depleting substance<sup>4</sup>
- Not listed as carcinogen<sup>5</sup>

## Cost Benefits

- Reduced final formulation costs
- Faster product development
- Slower evaporation—Deeper cleaning
- Reduced Freight cost

Although the information and recommendations set forth herein (hereinafter “Information”) are presented in good faith and believed to be correct as of the date hereof, ST Laboratories, Inc. makes no representations or warranties as to the completeness or accuracy thereof. Information is supplied upon the condition that the persons receiving the same will make their own determination as to its suitability for their purposes prior to use. In no event will ST Laboratories, Inc. be responsible for damages of any nature whatsoever resulting from the use or reliance upon Information.

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### Specification

Water Content	5 max
Acid Number, mg KOH/g	2 max
Color, Pt-Co (APHA)	50 max
Appearance	Clear to slightly hazy liquid

### Physical Properties

Density, g/ml at ~22 °C	1.051
Flash Point, °C	>93
Viscosity, cSt at 22 °C	26
Refractive Index	1.5077
pH (10% solution in water)	6.7
Freezing Point, °C	< -12 °C
Initial Boiling Point, °C (d = decomposes)	217 °C (d)
Odor	Mild aromatic
Kb Value	>200
Vapor Pressure @ 20 °C, excluding water, calculated by using Raoult's law, mm Hg (kPa)	.027 (0.004)
% VOC Content: according to US EPA 40 CFR 59.203(f)1	0%
% VOC Content: according to EU Solvents, Emissions Directive 1999/13/EC	0%
US EPA Method 24 <sup>6</sup>	75
Water dilutability for microemulsion, % water	0—100%
Shelf Life <sup>7</sup>	2 Years

#### Footnotes:

1. EU Solvent Emissions Directive 1999/13/EC, US VOC Exemption for consumer products EPA 40 CFR 59.203(f)(1), Environment Canada's "Guidelines For Volatile Organic Compounds In Consumer Products", Nov. 2002, Section 94508(a)(80) of Title 17 of the California Code of Regulations.
2. According to OECD definition, using empirical data, and results from EPI Suite™ modeling software.
3. According to Chapter 2.6 of the Globally Harmonized System of Classification and Labeling of Chemicals (GHS)
4. Reference: UNEP – The Montreal Protocol on Substances That Deplete the Ozone Layer
5. According to NTP, IARC, ACGIH, EU-Dangerous Substances Directive (67/548/EEC)- Annex I, and California Proposition 65.
6. VOC content determined by first measuring volatile content according to ASTM D2369, then adjusting for water content according to EPA Method 24 equation 24-4.
7. When stored in the original container, kept tightly closed and dry, in a well ventilated location.