

## Cutrite 1113B

Biostable semi-synthetic

### Description

**Cutrite 1113B** is a semi-synthetic machining fluid used primarily for cutting and grinding of cast iron and low alloy steels. The versatility of the **Cutrite 1113B** allows it to be used for light to moderate duty applications by varying concentration. It machines clean and is suitable for both hard and soft waters. Its biogenic formulation provides outstanding sump life and remains mild to the skin.

### Performance Benefits

- Mixes easily to form a very stable emulsion.
- Keeps machine clean.
- Fast breaking foam.
- Stable in soft and moderately hard water.
- Non-nitrited and chlorine free. Does not contain any Sara 313 listed components.
- Safe to use and easy to dispose.

### Recommended Applications & Dilutions

Recommended for machining and grinding cast iron and low alloy steels. Consult with your account representative for questions regarding compatibility

Grinding      5% to 7%  
Machining    5% to 12%

### Characteristics

| Properties                | Unit    | Test Method | Value            |
|---------------------------|---------|-------------|------------------|
| Appearance of Concentrate | -       | Visual      | Dark blue liquid |
| Appearance of Dilution    | -       | Visual      | Clear blue       |
| pH of 5% dilution         | -       | -           | 9.7 – 9.9        |
| Density @ 15°C            | lbs/gal | -           | 8.5              |
| Chlorine                  |         | -           | No               |
| Nitrites                  |         | -           | No               |
| Phenols                   |         | -           | No               |

## Additional Information Concentration Control

Refractive Index Multiplier: 2.5

| Refractometer Reading | % Concentration |
|-----------------------|-----------------|
| 2                     | 5               |
| 2.5                   | 6.25            |
| 3                     | 7.5             |
| 3.5                   | 8.75            |

