



## SCHUTZZEN ULTIMA

Semi Synthetic Cutting Fluid

### Introduction

SCHUTZZEN ULTIMA is high performance, heavy duty water soluble metal removal fluid for machining.

### Typical Applications

Heavy duty machining of cast iron, steel and aluminium alloys.

### Recommended Concentrations

Machining 10:1 to 20:1  
Grinding 20:1 to 25:1

### Advantages

- Excellent antibacterial performance prolongs coolant sump life.
- Excellent cutting performance due to extreme pressure additives.
- Extremely tight emulsion for low carry-off, low coolant addition that reduces the cost for the user.
- Provides corrosion protection and good lubrication for machine ways and indexing mechanisms.
- Low foaming characteristics make it an excellent choice for individual & centralized tank system.

### Typical Physical Properties

These properties are typical but should not be construed as recommending the infringement of any patent.

#### Appearance

Neat	Clear Amber fluid
Stability (4°C/ambient/50°C)	Clear Stable
Specific Gravity (at 29.5°C)	0.973
Kinematic Viscosity (at 40°C)	95-98.6 cSt

#### Emulsion Type

pH @ 5% deionized water	9-10
pH @ 5% 500ppm hard water	9-10
Refractive Index	1.0
Cast Iron Corrosion Test (IP 287)	2.0% BP (clean paper)
Aluminium Corrosion (6 Alloys)	No Staining
TOYODA Demulsification	90/ 1 / 9

### Shelf Life

Under normal conditions, the recommended shelf life is 12 months.

### Packaging

Shipped in 30 Liters and 210 Liters.