

YUMAN® BX-45
Premium Quality
Broaching Oil

PRODUCT DATA SHEET

GENERAL DESCRIPTION:

YUMAN® BX-45 is a straight oil formulated for use in broaching, tapping, gear shaping & shaving operations on steel alloys and heat resistant steels. **YUMAN® BX-45** contains chlorine and sulfur extreme pressure additives.

BENEFITS:

- **EXTENDED TOOL LIFE - REDUCES TOOL WEAR**
- **PRODUCES BETTER FINISH**
- **REDUCES BUILT-UP-EDGE**
- **USED WITH WIDE VARIETY OF WORK MATERIALS**

PROPERTIES:

Appearance..... Transparent Yellow Liquid
Color..... L1.0
Viscosity (40°C)..... 20 mm²/s
Specific Gravity (15/4°C)..... 1.02
Flash Point (COC)..... 176°C
Copper Corrosion (100°C - 1 hour)..... (4) Active

USING PROCEDURES:

Use as received for:

- **BROACHING (E.G. SPLINE, INVOLUTE, ROUND-HOLE, SURFACE, ETC.)**
- **GEAR SHAPING & SHAVING OF STEEL & STEEL ALLOYS**
- **TAPPING OF STEEL AND STEEL ALLOYS**
- **GENERAL MACHINING OF HEAT RESISTANT STEEL**

MATERIAL SAFETY:

Safe on steel and steel alloys. **YUMAN® BX-45** is not recommended for machining of copper or brass.

CONCENTRATION CONTROL:

Not applicable.

STORAGE:

Store in a cool dry area.

PRECAUTIONS:

Please refer to the label and Materials Safety Data Sheet for all warnings, recommendations for safety equipment and other regulatory information.

AVAILABILITY:

Pails, Drums, Totes, Bulk