

# Pearl-Z 3421

## BACTERICIDE-FREE Cutting & Grinding Fluid

### Description

**Pearl-Z 3421** is a premium medium oil content cutting and grinding fluid for ferrous and non-ferrous metals. It utilizes a proprietary new BACTERICIDE-FREE technology engineered to meet the varied performance demands of today's machine shops. **Pearl-Z 3421** is engineered to reduce misting and fluid carry-off, so use cost is minimized. More importantly, resources associated with maintaining dangerous bactericides are reduced dramatically.

### Key Properties

- BACTERICIDE-FREE for maximizing user safety
- Operator acceptance
- All metal safe
- Low residues making it easier to clean off parts
- Excellent tramp oil rejection
- Suitable for high pressure applications

### Physical Properties

Color:	Clear Yellow Fluid
Density:	8.20 lb/gal
Flash Point:	None
Foam:	Low
Hard water stable:	Yes
pH (concentrate):	10.0
pH (5% dilution):	9.6
Chlorine:	None
Sulfur:	None

### Use Instructions

#### ALWAYS ADD PRODUCT TO WATER!

**Pearl-Z 3421** provides superior performance when used properly and will handle the toughest applications. **Pearl-Z 3421** can be used to machine or grind any alloy offering superior corrosion protection. Dilute 5.5% to 10% for machining applications and grinding applications.

### Dispensing

**Pearl-Z 3421** is dispensed by pouring, pumping or educting through DuBois equipment. Contact your DuBois account representative for proper use.

### Concentration Control

Use hand held refractometer BX-10 (0 TO 10% BRIX)  
DuBois Part# 11753225

It is always important to adjust (zero) a refractometer with plant (make-up) water prior to testing the product. The refractometer reading should be multiplied by 1.11 to determine the chemical concentration of the **Pearl-Z 3421** working fluid. A 10% solution will have a reading of 9.0.

### Product Compatibility

**Pearl-Z 3421** is safe at the recommended concentrations on all common material of construction including: steel, stainless steel, aluminum, copper and brass, and common rubbers and plastics when used as directed.

### Handling and Storage

#### Instructions

DO NOT FREEZE.

#### Precautions

KEEP OUT OF REACH OF CHILDREN.  
Please refer to the label and Material Safety Data information for all warnings, recommendations for safety equipment and other regulatory information. Copies of the Material Safety Data information can be ordered by calling 800-438-2647.

#### Disposal

Please refer to the Material Safety Data Sheet (MSDS) for instructions regarding proper disposal of this product. DuBois offers a complete line of wastewater treatment products. To complement our wastewater treatment products, we provide compliance consultation and testing services. Contact your DuBois account representative for more information.

