

Valkyrie HD XF

Heavy duty water-based cutting fluid



Product Data

Description

Valkyrie HD XF is an advanced multi-purpose, semi-synthetic, water soluble, cutting and grinding fluid which will form a tight milky emulsion when mixed with water. The advanced formulation provides an excellent chemical and biological stability, is very low foaming and has a high detergency. Valkyrie HD XF also has advanced lubricity additives to enable a superior machining performance with an excellent surface finish.

Benefits

- Free from Boron, Boric Acid, Formaldehyde, Chlorine and Secondary Amines
- Multi-material; Multi-application product; Advanced safety profile
- Excellent corrosion protection; Long sump life
- TRGS 611 compliant

Applications

Valkyrie HD XF is recommended for all heavy duty machining application on yellow metals, steel alloys, stainless steel, titanium alloys, and aluminium alloys in particular high silicon aluminium alloys.

Valkyrie HD XF is also recommended for machining where high pressures and high speeds are used through tool applications.

Technical Specifications

Name	Units	Value
Appearance (Neat)		Amber fluid
Appearance (Emulsion)		Milky
Odour		Bland
Density @ 20°C	kg/m ³	992
pH @ 5%		9.2
Corrosion Test IP287		5.0% breakpoint
Refractometer Factor		1.2 (reading x factor = true concentration)

User Instructions

Valkyrie HD XF is easily mixed. The correct mixing procedure is to add Valkyrie HD XF to water and agitate. Positive displacement (Dosatron type) mixing units are recommended for this operation and are available from us on request.

Recommended emulsion strengths are listed below. In certain applications it may be beneficial to run at higher concentrations than those stated.

- General machining and tapping: 6.0% - 10.0%
- Heavy duty machining: 8.0% - 12.0%

Drums should be stored inside a building protected from frost and direct sunlight in order to preserve the integrity of this product.

Packaging

Available in 5 Litre, 20 Litre, 208 Litre, and 1000 Litre.