

## Technical Data Sheet

**Texol Coolsyn™ VZF D -15 PLUS**  
High performance water-soluble cooling lubricant

### Product Description

- Based on synthetic anionic and non-ionic lubrication components as well as very effective corrosion inhibitors
- Long-term stable
- With a high content of polar additives
- With EP additives

As the product does not contain any secondary amines, there is no danger of Nitrosamine formation according to our present knowledge.

Furthermore, **Texol Coolsyn™ VZF D -15 PLUS** is inhibited against the formation of nitrosamines, this means that even if there are any secondary amines and nitrites, no stable nitrosamines can be formed. Even when exceeding the limit value for nitrite according to TRGS 611 a partial or complete change of the emulsion is not necessary.

### Applications and Uses

**Texol Coolsyn™ VZF D -15 PLUS** is suitable for metal cutting operations involving steel, cast iron, aluminium and non-ferrous metals. It can be used up to medium difficult operations.

### Working concentration

Metal cutting	approx. 4 – 8 %
Grinding	approx. 2 – 3 %

**Texol Coolsyn™ VZF D -15 PLUS** is dermatologically tested. TEWL ( transepidermal loss of water ) and Epicutan test confirm good skin compatibility.

### Storage

Recommended storing temperature: +5 °C up to max. +45 °C.

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#### Typical Properties

Property (Unit)	PLUS	Method
Density at +15 °C	1052	DIN 51757
Ph value ( 3 % )	9.5	DIN 51369
Cast iron chips test ( %3 )	0	DIN 51360/T2
Ester content %	20	
Correction factor for determination of the concentration: Refractometer	1.45	

#### Technical Expertise

Texol experts on **Texol Coolsyn™ VZF D -15 PLUS** lubricant is regionally located to respond to your needs. Whether you have a question about products, applications or regulations, Texol offers comprehensive customer and technical service.