

# VULSOL GLASSCUT



Synthetic cutting fluid without formaldehyde for machining, grinding and engraving glass.

## APPLICATIONS

- **VULSOL GLASSCUT** is a totally synthetic cutting fluid without chlorine or boron, whose properties make it especially suitable for glass machining.
- **VULSOL GLASSCUT** qualities are already recognised for the following applications: grinding optical glass (organic and mineral), machining rear-view mirrors, mirrors, engraving decorative glass, etc.
- Recommended rate of use: 3-4%.

## SPECIFICATIONS

ISO 6743/7

- ISO-L MAH.

## ADVANTAGES

- **VULSOL GLASSCUT**, mixed with good quality water forms a highly efficient, transparent and non-foaming solution providing good service stability.
- **VULSOL GLASSCUT** guarantees long-term protection of your machines against corrosion. It also ensures optimal sedimentation of glass fines to guarantee clean machining. In addition, it ensures very efficient settling of grinding sludges and very good separation of machine oils.
- **VULSOL GLASSCUT** guarantees clean surface finishing without burns or chemical attack.
- **VULSOL GLASSCUT** provides long service lifetime thanks to its well balanced mix of bactericides and fungicides.

## HEALTH AND SAFETY

- **VULSOL GLASSCUT** has no specific odour, and does not contain phenol, nitrosable products (nitrite, diethanolamine (DEA)), PTBB, chlorine, boron and formaldehyde liberators.
- **VULSOL GLASSCUT** conforms to German legislation TRGS 611 (technical rules on the treatment of dangerous products).
- Danger class for water: 1.

**TOTAL**

TYPICAL CHARACTERISTICS	METHODS	UNITS	VULSOL GLASSCUT	
			Concentred	Solution At 5%
Aspect	Visual	-	Clear	Transparent
Density at 15°C	ISO 3675	kg/m <sup>3</sup>	1122	
Kinematic viscosity at 40°C	ISO 3104	mm <sup>2</sup> /s	83	
pH	NF T 60 193	-		9,2
Refraction index			1	

The characteristic values in this table are typical values given as indications.

## RECOMMENDATIONS FOR USE

- Before using **VULSOL GLASSCUT**, you must clean your machine with a specific cleaning product, such as **CONTRAM CB 3**.
- Due to their long service lifetimes, soluble machining fluids are subject of pollution by external oils or bacteria & fungi.. We therefore recommend regular monitoring of your fluid while in service. Total Lubricants offers a practical and regular analysis service called **SOLUBLE CHECK** that is both efficient and easy to carry out.
- If necessary, occasionally add biocide, such as **EBOTEC BT 80**, which will extend the service lifetime of your fluid. Your technical contact is available to provide you with technical advice on this subject.