

# OIL & GAS

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## TECHNICAL DATA SHEET

Product Code: D0002  
Quality Standards:  
ISO 9001:2015  
ISO 14001: 2015  
Issue Date—October 2018  
Revision— 01

## ClareTech SafeClean

### Description

ClareTech SafeClean is a cleaning fluid which has been specifically designed to clean RS Clare Valve Lubricant 601, Valve Sealant 701 and V300 & V500 wireline fluids. It has several advantages over other products, compared to common solvents it has a high flash point greatly reducing the danger of fire.

It is also non-hazardous according to CLP and GHS regulations whereas most other cleaners have ratings including danger, harmful, flammable and toxic to aquatic life. It contains no chlorinated solvents or aromatics.

Furthermore, ClareTech SafeClean has been shown to be readily biodegradable according to OECD 301B, has only a mild odour and in RS Clare's experience is much kinder when spilled on skin because it does not readily dissolve the skin's natural oils unlike almost all other cleaners.

### Typical Characteristics

Appearance	Visual	Clear Colourless Liquid
Density (15°C)		1.06gcm <sup>3</sup>
Biodegradability	OECD 301B	Readily Biodegradable
Melting Point		<-70°C
Odour		Mild
Water Soluble?		Yes
Fully Dissolves RSC Wireline Fluids?		Yes

### Base Oil Characteristics

Kinematic Viscosity (40°C)	ASTM D445	2.6cSt
Flash point	IP 34	86°C

### Applications

The cleaner may be applied by brush, cloth or spray bottle, and can also be used in rinse systems. It should be used undiluted and can be reused if a catchment and filter system is utilised.

ClareTech SafeClean is considered a non-hazardous substance according to international transport regulations.

Please note, ClareTech SafeClean is a specific cleaner for valve lubricants and is not an effective multi-purpose cleaner.

A guide to elastomer compatibility is in the table below but due to there being such a wide variety of elastomers it is recommended that the customer conduct their own trials if unsure.

### Elastomer Compatibility

ACM, Polyacrylate	X
CR, Chloroprene/Neoprene	√
EPDM	√√√
FKM, Fluorinated e.g. Viton	√√√
FPM	X
NBR Nitrile, Buna-N	√
HNBR, Hydrogenated Nitrile	√
VMQ, PVMQ Silicone	√√√
FVMQ, Fluorosilicone	X
<b>Key:</b>	
Resistant	√√√
Partly Resistant	√
Not Resistant	X