

## CL 900 Paste

### Drill collar and tool joint compound

#### Product description

ASV Molysulf CL 900 tool joint and drill collar compound is a high performance, lead and zinc free formulation based on highly refined low sulphur, petroleum oil thickened with a complex soap.

Formulated using a synergistic combination of copper flakes, graphite and non-metallic inert solid lubricants, ASV Molysulf CL 900 also contains a blend of inhibitors against corrosion and oxidation as well as extreme pressure anti wear additives to enhance its performance under aggressive operating and environmental conditions such as wet and humid corrosive conditions and water wash off.

#### Features & benefits

- Excellent high temperature stability and low temperature brushability
- Free of zinc, lead or heavy metals
- Special complex soap grease bases allow to stick to wet joints
- Inhibitors protect against rust and corrosion
- Extreme pressure additives increase load bearing capacity and protect against seizure and galling
- Reduces friction during assembly
- Prevents cold welding of shoulder/collar joints
- Ensures consistent joint make up and breakout
- Excellent resistance to makeup downhole
- Prevents high stress in drill pipe connections

#### Applications

As a tool joint and drill collar compound for threads on drill collars, tool joints, drill strings in the oilfield industry to prevent seizure, galling and ensure easy breakout.

Do not use on oxygen lines or in oxygen enriched atmospheres.

#### How to use

Use as supplied. Never mix with other greases or dilute with any oils. All ASV® pastes are high concentrations of solid lubricants in suitable oil carriers. Oil separation might occur over an extended period of time. If required, stir the contents by any simple mechanical means for a few minutes, and the product will regain its original consistency.

Test	Unit	Result	Standard
Appearance		Solid, grease	Visual
Colour		Dark copper	Visual
Base oil		Petroleum	Visual
Base oil, flash point	°C / °F	>221 / >430	ASTM D-92
Thickener		Complex	In house
Penetration (unworked)	mm/10	310-330	ASTM D-217
NLGI Class		1	DIN 51 818
Density @ 20°C	g/cm <sup>3</sup>	1.15	ASTM D-1298
	lb/gal	9.6	
Drop point	°C / °F	>232 / >450	ASTM D-2265
Lower operating temperature	°C / °F	-18 / 0	In house
Upper operating temperature*	°C / °F	232 / 450	In house
Four ball weld point	kgf	800	ASTM D-2596
Oil separation, wt. loss, 100°C / 212°F	%	<3	ASTM D-6184
Copper strip corrosion		1a	ASTM D-4048
Friction Factor, standard service		1.15	API RP 7G
Shelf life from manufacturing month, unopened container	Months	60	In house

\* thermal resistance of lubricating solids

## General

Use in well-ventilated areas. Avoid continuous breathing of vapor and spray mist. For complete details on safety, short and long term exposure, refer to this product's safety data sheet (SDS).

## Handling

Read instructions on the container label of the product before use. The product safety data sheet (SDS) contains the relevant information regarding personal protective equipment, safe use, physical and health hazards.

Manufactured by:  
ASV Multichemie Private Limited  
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## Disposal

All used and unused product should be disposed of in accordance with state regulations.

## Limited warranty

Product manufactured is for industrial use only. The information and data contained in this sheet is accurate to the best of our knowledge or is obtained from sources, tests or experiences believed by us to be reliable and accurate. User is responsible for determining whether recommended ASV product is fit for a particular purpose. All products should be tested for suitability on a particular application prior to actual use. We make no representations of any kind. Data offered without warranty.

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