

## Germ-Allcard Aludra 3993A

Superior performance lubricant for aluminium stranding and compaction

### Description

Germ-Allcard Aludra 3993A is a low viscosity fluid for lubrication in aluminium stranding and compaction applications where it is used to provide residual lubrication within the compaction die. The product has vanishing properties, leaving no residues on the compacted conductor. It can also be used as a lubricity booster for the Aludra range when drawing oils become contaminated with tramp oils.

### Applications

Germ-Allcard Aludra 3993A is specifically formulated as a lubricity additive for the lubrication of aluminum and aluminum alloy stranding applications. Applied as a shot to continuous flow, the product will provide residual lubrication within the compaction die. The product is compatible with any residual drawing lubricants from the drawing process. Additionally any residues following the compaction die is easily removed in the annealer and has no adverse effect to the aluminium conductor.

Germ-Allcard Aludra 3993A can also be used as a lubricity booster in any neat oil aluminium wire drawing application. The lubricity package can be diluted with foreign material and oils, which decreases the lubricity performance, reduces the surface finish and shortens die and capstan life. By analysing the in-service fluid and calculating the level of lubricity additive, additions of Aludra 3993A can be used to re-generate the wire drawing lubricants and boost its lubricity performance.

### User instructions

In order to preserve the integrity of this product drums should be stored inside a building protected from frost and direct sunlight, with bung holes horizontal to minimise breathing.

To optimise performance the following periodic checks are recommended: water ingress, viscosity increase, acidity and solids by filtration. Avoid operating at bulk temperatures in excess of 55°C.

### Environment, Health and Safety

Please consult the Material Safety Data Sheet for instructions regarding safe handling and environmental issues.

### Properties

	Method	Unit	Typical
Appearance	Visual	-	bright & clear
Density, 20 °C	D 4052	kg/l	0.89
Kinematic Viscosity, 40 °C	D 445	mm <sup>2</sup> /s	5.5

The figures above are not a specification. They are typical figures obtained within production tolerances.

### Remarks

Please contact your Q8Oils representative for further advice and support on your specific application and equipment.