

TECHNICAL BULLETIN

	<p style="text-align: center;">MaxiDry® Plus 56-530 For use in applications where SKYDROL® is present</p>
<p>Purpose</p>	<p>Within the airline industry, the primary hydraulic fluid utilized in all wide body or narrow body aircraft is a chemical produced by Solutia Inc. called SKYDROL®. There are three different versions of SKYDROL®: SKYDROL® LD-4, SKYDROL® 500B-4 & SKYDROL® 5.</p> <p>SKYDROL® is made up of a group of chemical additives dissolved into a fire-resistant phosphate ester base stock which inhibits corrosion and prevents erosion damage to servo valves and includes a purple or green dye to ease identification. It has been approved by most airframe manufacturers including Airbus, Boeing and BAE Systems and has been used in their products for over 40 years.</p>
<p>Critical Factors</p>	<p>SKYDROL® fluids are irritating to human tissue. If the fluid gets on the skin it creates an itchy, red rash with a burning sensation which feels similar to a sunburn. The effects subside within a few hours, and studies indicate that SKYDROL® causes no permanent damage to human tissue.</p> <p>In most maintenance applications, workers regularly come into contact with the SKYDROL® fluid, which can cause irritation. The maintenance work involved requires dexterity and tactile sensitivity. To date, the product most prevalently used in these applications tends to be disposable nitrile and in some applications an unsupported nitrile or latex product is used as well.</p> <p>There are limitations to the existing hand protection products used in these applications, as they don't offer the grip necessary to complete the tasks. In addition, the disposable products can be easily torn.</p>

Chemical Test Results	SKYDROL® Type	Product Tested	Average Breakthrough Time ASTM F739-07
	SKYDROL® LD-4	MaxiDry® LR 56-530	>480 minutes
	SKYDROL® 5	MaxiDry® LR 56-530	>400 minutes
	SKYDROL® 500B-4	MaxiDry® LR 56-530	>480 minutes
Conclusion	<p>The MaxiDry® PLUS 56-530 has been tested with overwhelming positive results in many of the aircraft maintenance applications. The grip offered by the MaxiDry® PLUS 56-530 is a benefit over current products in use. Additionally, the gauntlet cuff offers much better protection in the wrist area without sacrificing the dexterity needed to complete most tasks.</p> <p>The overall form, fit and feel of the MaxiDry® PLUS 56-530 offers a noticed improvement as the tight fit offered through the elasticated cuff provides the worker with an overall improved fit.</p>		



MaxiDry® Plus 56-530

Key Features

- Lightweight nitrile coating on a super fine gauge seamless knit liner
- Maximum dexterity and tactile sensitivity
- Elasticized cuff provides snug fit and non-slip feel
- GripTech® coating on palm provides excellent grip in wet or oily conditions
- LiquiTech® coating offers protection from Skydrol