

# ESTER COMPATIBILITY GUIDE

The following guide is intended for use, only as a guide, regarding compatibility with Ultrachem's **diester** and **polyol ester** oils and greases. The information is, to the best of our knowledge, true and accurate, but all recommendations or suggestions are made without guarantee, since the conditions of use are beyond our control. Our experience indicates that diesters are somewhat more aggressive towards materials of conservation than are polyol esters.

| Acceptable   | Marginally Acceptable  | Not Acceptable   |
|--|--|--|
| <b>A. Seal Materials</b>   |  |  |
| Fluorocarbon (Viton Telfon)<br>Nitrile Rubber (Buna-N, NBR)*<br>Fluorosilicone Rubber<br>Polysulfide (Thiokol)                             | Nitrile Rubber (Buna-N, NBR)*<br>Polyurethane<br>Ethylene-Propylene Terpolymer (EPDM)<br>Epichlorohydrin<br>Polyacrylate Rubber<br>Silicone Rubber | Polychloroprene (Neoprene)<br>Natural Rubber<br>Styrene-Butadiene Rubber (SBR, Buna-S)<br>Butyl Rubber<br>Chlorosulfonated Polyethylene<br>Nitrile Rubber (Buna-N, NBR)* |
| * High nitrile content (> 36% acrylonitrile)   | *Medium nitrile content (30-36% acrylonitrile)   | *Low nitrile content (< 30% acrylonitrile)   |
| <b>B. Paints</b>   |  |  |
| Epoxy<br>Baked Phenolic<br>Two-Component Urethane<br>Moisture-cured Urethane   | Alkyds (Baked finish preferred)<br>Phenolic<br>Single Component Urethane<br>Industrial Latex   | Acrylic<br>Latex (Household Type)<br>Vinyl (PVC)<br>Varnish<br>Lacquer   |
| <b>C. Plastics</b>   |  |  |
| Nylon (including filled)<br>Fluorocarbon (Teflon)<br>Polyacetal (Delrin, Celcon)   | Polyurethane<br>Polyethylene<br>Polypropylene<br>Polycarbonate (Lexan)<br>Acrylic (Lucite, Plexiglas)<br>Polysulfone<br>Phenylene Oxide (Noryl)    | Polystyrene<br>Polyvinyl Chloride<br>ABS (acrylonitrile/ butadiene/ styrene)   |
| <b>D. Metals</b>   |  |  |
| Steel and Alloys<br>Aluminum and Alloys<br>Copper and Alloys*<br>Tin<br>Nickel<br>Inconel, Monel   | Cadmium<br>Zinc  | Lead (Certain products contain lead corrosion inhibitors and are acceptable)   |
| * Chemlube® lubricants are formulated to inhibit copper corrosion; however, minimizing exposure to copper will extend the life of any oil. |  |  |

## HEALTH & SAFETY

To obtain an SDS on this or any other Ultrachem product, please contact your representative.

## TECHNICAL SUPPORT

To learn more about Ultrachem products and applications please contact us at [info@ultracheminc.com](mailto:info@ultracheminc.com)

