

Technical Bulletin#: **TB-LD003**

Revision Level: **A**

Title: **Polycarbonate Cleaning Instructions**

Purpose: **To Provide Useful Guidelines for Cleaning the Polycarbonate Used in Life Defender Frames**

The polycarbonate material used in your Life Defender Frames is very strong and resilient, but its surface is relatively soft and can become marred or scratched fairly easily. When it becomes dirty, special care should be taken to clean the surfaces.

For General Cleaning :

- Clean with a diluted non-abrasive dish washing liquid or soap. An ammonia free window cleaner may also be used.
- Use a soft microfiber cloth or non-abrasive sponge.
- Rinse or wipe with lukewarm clean water and dry with a soft cloth.

For Heavy Oils or Grease:

- Pre-rinse affected area with warm water and try to loosen or wash away surface grit or grime.
- Using a 50/50 mix of isopropyl alcohol/water, gently rub the affected area with a soft non-abrasive cloth.
- Rinse thoroughly with lukewarm clean water and dry with a soft cloth.

For Paint, Permanent Ink Marks, or Residual Adhesive:

- Pre-rinse affected area with warm water and try to loosen or wash away surface grit or grime.
- Using a Naptha VM&P Grade product or straight isopropyl alcohol, gently rub the affected area with a soft non-abrasive cloth. A good approach would be to apply a small amount of the stripping agent to the cloth, gently rub the affected area, and repeat if necessary.
- Immediately rinse thoroughly with lukewarm clean water and dry with a soft cloth.

No No's for Polycarbonate:

- DO NOT use abrasive cleaners or abrasive cloths. These will scuff the polycarbonate.
- DO NOT use high alkaline (high pH) cleaners.
- DO NOT use razors, squeegees, hard bristle brushes, scrapers, or other hard cleaning implements.
- DO NOT leave cleaners or cleaning liquid in contact with polycarbonate for any extended period of time. The less time the cleaning agent is in direct contact with the polycarbonate, the better.
- DO NOT apply cleaners in direct sunlight or in very high temperatures.
- DO NOT rub the surface when dry or before pre-rinsing. Polycarbonate has a natural static attraction, so unseen sand or dust particles can cling to the surface and scuff the surface like sandpaper.