



# THERMACLEAN® Industrial Cleaners Product Line Guide

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THERMACLEAN® products are environmentally friendly industrial cleaners that are an effective replacement to hazardous and/or flammable solvent cleaners. THERMACLEAN® products are used in a variety of industrial cleaning applications.

The THERMACLEAN® product line can be characterized by the following beneficial features:

- Nonhazardous by EPA and DOT regulations
- Nonregulated
- High flash point
- Biodegradable
- Low evaporation rate
- Reduced VOC's (volatile organic compounds)

The THERMACLEAN® product line consists of two basic technologies for replacement of acetone and other hazardous and/or highly flammable solvent cleaner products:

- Water-based products such as tool and equipment cleaners and finished surface cleaners
- High flash point, MACT compliant solvent-based products, such as a variety of tool and equipment cleaners and specialized gun flushes

The products included in this guide are Polynt Composites' most commonly used products. However, other cleaning products are available. Please consult your Polynt Composites Account Manager for more information.

## 1. Water-Based Products

| TRADE NAME        | CODE     | CLEANS   | APPLICATION  | COMMENTS   |
|-------------------|----------|--|--|--|
| REPLACETONE™      | 095-0030 | General purpose  | Multipurpose cleaner for tools, equipment, and hands   | Can be used in a variety of applications as a safe and effective replacement to hazardous and/or flammable cleaners. No heating required. Quick separation between cleaner and material; orange liquid; mild odor. |
| AQUAWASH®         | 095-0040 | Resins   | Tool and hand cleaner  | Safe for skin contact; blue liquid; mild odor.   |
| NO RINSE          | 095-0072 | Resins, coatings, dirt, release agents, oil, grease            | Wipe-down cleaner for FRP tooling; molded and cast parts; metal, glass, vinyl, and most painted surfaces | No hazy film buildup. Universal cleaner for finished surfaces.   |
| Wipe-Bright®      | 095-0082 | Gel coat and resin overspray, adhesives, sealants, oil, grease | Wipe-down cleaner for gel-coated parts, glass, metal, plastic, and most painted surfaces                 | Universal cleaner for finished surfaces. Cleans and shines in one easy step. Clear liquid; citrus odor.  |
| Aqueous Gun Flush | 095-0093 | Urethanes  | Cleaner for urethane foam dispensing equipment   | Unique cleaner designed for foam dispensing equipment. Bubble gum odor.  |
| UNIWIPE™          | 095-0154 | Resins, coatings, dirt, release agents, oil, grease            | Wipe-down cleaner for rubber, glass, metal, plastic, and painted surfaces                                | Minimal nonvolatile residue for excellent adhesion properties of coatings and adhesives; pale green liquid; citrus odor.   |



## 2. Solvent-Based Products

| TRADE NAME            | CODE     | CLEANS  | APPLICATION  | COMMENTS  |
|-----------------------|----------|---|--|---|
| Gun Flush             | 095-0043 | Resins and gel coats                              | Designed for gel coat and chopper gun equipment; can also be used for tools and other equipment            | Nonflammable, nonhazardous cleaner that is exceptional for flushing spray equipment.  |
| EP                    | 095-0049 | Epoxy and other hard-to-clean resins and coatings | Tools, equipment, tank wagons, drums, tote tanks   | Cleans liquid and cured epoxies as well as many other difficult to clean materials. It can be used "as is" or diluted 5:1 with water and used heated. See technical data sheet for more detail. |
| Gun Flush ES          | 095-0063 | Resins and gel coats                              | Designed for gel coat and chopper gun equipment; can also be used for tools and other equipment            | Powerful cleaner that is both nonflammable and nonhazardous providing superior results in flushing equipment. Extra strength version of 095-0043.   |
| Non-Gelling Gun Flush | 095-0083 | Urethanes   | Foam dispensing equipment  | Designed for foam dispensing equipment, it can be filtered and reused several times, reducing costs and inventory.  |
| UNISOLVE™ EX          | 095-0102 | Resins and gel coats                              | Tools and equipment  | Unique anti-gelling chemistry for increased resin loading capacity resulting in extended product usage.   |
| MARBLEWASH®           | 095-0113 | Marble matrix and solid surface formulations      | Use in MARBLECLEAN™ machine to automatically clean mixing pots and tools; cleans continuous cast equipment | Patented anti-gelling chemistry increases resin loading capability and allows MARBLEWASH® to be effective longer than other cleaner products.   |

Additional information for specific products, including SDS and technical data sheets, can be obtained by contacting your Polynt representative or Polynt Customer Service at 800-322-8103.

## POLYNT SAFETY INFORMATION

All sales of products manufactured by Polynt Composites USA Inc. and described herein, are made solely on condition that Polynt Composites USA customers comply with applicable health and safety laws, regulations and orders relating to the handling of our products in the workplace. Before using, read the following information, and both the product label and Safety Data Sheet pertaining to each product.

Most products contain styrene. Styrene can cause eye, skin and respiratory tract irritation. Avoid contact with eyes, skin and clothing. Impermeable gloves, safety eyewear and protective clothing should be worn during use to avoid skin and eye contact. Wash thoroughly after use.

Styrene is a solvent and may be harmful if inhaled. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Extended exposure to styrene at concentrations above the recommended exposure limits may cause central nervous system depression causing dizziness, headaches or nausea and, if overexposure is continued indefinitely, loss of consciousness, liver and kidney damage.

Do not ingest or breathe vapor, spray mists or dusts caused by applying, sanding, grinding and sawing products. Wear an appropriate NIOSH/MSHA approved and properly fitted respirator during application and use of these products until vapors, mists and dusts are exhausted, unless air monitoring demonstrates vapors, mists and dusts are below applicable exposure limits. Follow respirator manufacturer's directions for respirator use.

The 12th Report on Carcinogens issued by the National Toxicology Program lists styrene as a "reasonably anticipated" carcinogen, but the Report cautions that the NTP listing does not mean that styrene presents a risk to persons in their daily lives. The Styrene Information and Research Center does not agree with the classification as it did not include a review of all available data. SIRC states: "HHS included styrene in the 12th RoC despite the fact that European Union regulators have determined styrene does not represent a human cancer concern. E.U. scientists reviewed the full styrene database, weighing all of the available data in reaching their conclusion."

The International Agency for Research on Cancer (IARC) reclassified styrene as Group 2B, "possibly carcinogenic to humans." This revised classification was not based on new health data relating to either humans or animals, but on a change in the IARC classification system. The Styrene Information and Research Center does not agree with the reclassification and published the following statement: Recently published studies tracing 50,000 workers exposed to high occupational levels of styrene over a period of 45 years showed no association between styrene and cancer, no increase in cancer among styrene workers (as opposed to the average among all workers), and no increase in mortality related to styrene.

Styrene is classified by OSHA and the Department of Transportation as a flammable liquid. Flammable products should be kept away from heat, sparks, and flame. Lighting and other electrical systems in the workplace should be vapor-proof and protected from breakage.

Vapors from styrene may cause flash fire. Styrene vapors are heavier than air and may concentrate in the lower levels of molds and the work area. General clean air dilution or local exhaust ventilation should be provided in volume and pattern to keep vapors well below the lower explosion limit and all air contaminants (vapor, mists and dusts) below the current permissible exposure limits in the mixing, application, curing and repair areas.

Some products may contain additional hazardous ingredients. To determine the hazardous ingredients present, their applicable exposure limits and other safety information, read the Safety Data Sheet for each product (identified by product number) before using. If unavailable, these can be obtained, free of charge, from your Polynt Composites USA representative or from: Polynt Composites USA Inc., 99 East Cottage Avenue, Carpentersville, IL 60110, 800-322-8103.

FIRST AID: In case of eye contact, flush immediately with plenty of water for at least 15 minutes and get medical attention; for skin, wash thoroughly with soap and water. If affected by inhalation of vapors or spray mist, remove to fresh air. If swallowed, get medical attention.

Those products have at least two components that must be mixed before use. Any mixture of components will have hazards of all components. Before opening the packages read all warning labels. Observe all precautions.

Keep containers closed when not in use. In case of spillage, absorb with inert material and dispose of in accordance with applicable regulations. Emptied containers may retain hazardous residue. Do not cut, puncture or weld on or near these containers. Follow container label warnings until containers are thoroughly cleaned or destroyed.

**FOR INDUSTRIAL USE AND PROFESSIONAL APPLICATION ONLY. KEEP OUT OF REACH OF CHILDREN.**

## LIMITED WARRANTY AND LIMITATION OF LIABILITY

### LIMITED WARRANTY.

Seller warrants that: (i) Buyer shall obtain good title to the product sold hereunder, (ii) at shipment such product shall conform to Seller's specifications for the product; and (iii) the sale or use of such product will not infringe the claims of any U.S. patent covering the product itself, but Seller does not warrant against infringement which might arise by the use of said product in any combination with other products or arising in the operation of any process. **SELLER MAKES NO OTHER WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE, EVEN IF THAT PURPOSE IS KNOWN TO SELLER. ANY ADDITIONAL REPRESENTATIONS OR SUGGESTIONS REGARDING THE PRODUCT OR ITS POSSIBLE USES ARE BASED UPON SELLER'S GOOD FAITH OPINION AND BELIEF, BUT ARE NOT TO BE CONSTRUED AS AFFIRMATIONS OF FACT, PROMISES, OR DESCRIPTIONS, AND SHALL IN NO WAY BE DEEMED PART OF THE SALE OF PRODUCT.** In particular, and without limiting the foregoing, because of environmental and use conditions beyond Seller's control, Seller offers no warranty and makes no promise concerning the results that may be obtained by the Buyer (or the Buyer's customer) with the product or the performance of the product. Each user should satisfy itself, by adequate testing, of the suitability of the product for its particular application.

### LIMITATION OF LIABILITY.

- (a) Seller's total liability for any claim arising out of or in connection with this contract, including for breach of contract, warranty, statutory duty, or for other tort, including seller's negligence, shall not exceed the purchase price of such product as to which such liability arises. Seller shall not be liable for any injury, loss or damage, resulting from the handling or use of the product shipped hereunder whether in the manufacturing process or otherwise. **IN NO EVENT SHALL SELLER BE LIABLE FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING WITHOUT LIMITATION LOSS OF PROFITS, CAPITAL OR BUSINESS OPPORTUNITY, DOWNTIME COSTS, OR CLAIMS OF CUSTOMERS OR EMPLOYEES OF BUYER, WHETHER IN AN ACTION UNDER CONTRACT, NEGLIGENCE OR ANY OTHER THEORY, ARISING OUT OF OR IN CONNECTION WITH THIS CONTRACT, OR THE USE, INABILITY TO USE, OR PERFORMANCE OF THE PRODUCT.**
- (b) If Seller furnishes technical or other advice to Buyer, whether or not at Buyer's request, with respect to processing, further manufacture, other use or resale of the products, Seller shall not be liable for, and Buyer assumes all risk of, such advice and the results thereof.

The information provided is believed to be accurate at the time of preparation, or prepared from sources believed to be reliable, but it is the responsibility of user to investigate and understand other pertinent sources of information, to comply with all laws and procedures applicable to the safe handling and use of the product and to determine the suitability of the product for its intended use.