

THERMACLEAN[®]

Product Line Guide



THERMACLEAN®

Product Line Guide

Copyright 2008-2010

THERMACLEAN® products are industrial cleaners that are effective and environmentally correct solvent replacements. These products are used in a variety of cleaning applications within the Composites, Industrial and Cultured Marble/Cast Polymer industries.

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

- Non-hazardous by EPA and DOT regulations
- Non-regulated
- High flash point
- Low toxicity
- Biodegradable
- Low evaporation rate
- Reduced VOC's

The THERMACLEAN® product line consists of two basic technologies:

- Water-based products such as resin emulsifiers and wipe down cleaners
- High flash point, MACT compliant solvent based products, such as a variety of specialized gun flushes

The products included in this guide are CCP's most commonly used products. However, other cleaning products are available. Please consult your CCP Composites US Account Manager for more information. Additional information, including technical datasheets and MSDS's, for specific products can be found on the CCP Composites US website, www.ccpcompositesus.com.

I. Water Based Products				
Code	Tradename	Cleans	Application	Comments
095-0030	THERMACLEAN® REPLACETONE™	Resins	Tool and hand cleaner. Dilute 5:1 with water	No heating required. Quick separation. Orange liquid. Mild odor.
095-0040	THERMACLEAN® AQUAWASH®	Resins	Tool and hand cleaner. Dilute 10:1 with water.	Safe for skin contact. Blue liquid. Mild odor.
095-0045	THERMACLEAN® REPLACETONE™ EX	Resins	Tool and hand cleaner. No dilution or mixing needed.	Ready-to-use. Pale yellow liquid. Mild odor.
095-0046	THERMACLEAN® AQUAWASH®/FS	Filled Resin Systems	Tool cleaner. Dilute 10:1 with water.	Quick solid separation. Clear liquid. Mild odor.
095-0076	THERMACLEAN® Coatings LF	Resins	Tank wagons, reactors, etc. Use heated with pressure spray equipment.	Low foaming. Pink liquid. Faint odor.

THERMACLEAN® Product Line Guide – Copyright 2008-2010

095-0072	THERMACLEAN® NO RINSE	Resins, Coatings, Dirt, Release Agents, Oil, Grease	Wipe-down cleaner for FRP Tooling; molded and cast parts; metal, glass and vinyl surfaces.	No hazy film build-up.
095-0080	THERMACLEAN® Resin Emulsifier	Resins	Tool cleaner. Dilute 10:1 with water.	Extra strength. Pink liquid. Pleasant odor.
095-0082	THERMACLEAN® Wipe-Bright®	Gel Coat and Resin Overspray, Adhesives, Sealants, Oil, Grease	Wipe-down cleaner for gel-coated parts, glass, metal, plastic surfaces.	Cleans and shines in one easy step. Clear liquid. Orange odor.
095-0093	THERMACLEAN® Aqueous Gun Flush	Urethanes	Foam dispensing equipment.	Economy grade. Pale yellow liquid. Bubble gum odor.
095-0154	THERMACLEAN® UNIWIPE™	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. Orange odor.

II. Solvent Based Products

Code	Tradename	Cleans	Application	Comments
095-0032	THERMACLEAN® HiFil	Heavily Filled Resin Systems	SMC/BMC mixing tanks, pumps, lines, parts, etc.	Resin and fillers quickly separate. Water extendable.
095-0043	THERMACLEAN® Gun Flush	Resins and Gel Coats	Tools and equipment.	Economy grade.
095-0049	THERMACLEAN® EP	Epoxy and Other Hard-to-Clean Resins and Coatings	Tools, equipment, tank wagons, drums, tote tanks. Use "as is" or dilute 5:1 with water and use heated.	Cleans liquid and cured epoxies. Water extendable.
095-0063	THERMACLEAN® Gun Flush ES	Resins and Gel Coats	Tools and equipment.	Extra strength.
095-0083	THERMACLEAN® Non-Gelling Gun Flush	Urethanes	Foam dispensing equipment.	Can be filtered and re-used several times.
095-0101	THERMACLEAN® UNISOLVE™ EX-R	Resins and Gel Coats	Tools and equipment.	Universal solvent.
095-0102	THERMACLEAN® UNISOLVE™ EX	Resins and Gel Coats	Tools and equipment.	Anti-gelling chemistry for increased resin loading capacity.
095-0113	THERMACLEAN® MARBLEWASH®	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.



THERMACLEAN® Product Line Guide – Copyright 2008-2010

095-0120	THERMACLEAN® Extra Flush	Resins, Paints, Adhesives, Inks, Oil, Grease	Tools and equipment. Paint stripper.	Strongest “replacement cleaner” chemistry.
----------	-------------------------------------	--	---	---



THERMACLEAN® Product Line Guide – Copyright 2008-2010

CCP COMPOSITES US WARRANTIES, DISCLAIMERS AND LIMITATION OF LIABILITY (Rev. 10/11)

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; 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 APPLICATION INFORMATION OR ASSISTANCE WHICH SELLER MAY FURNISH TO BUYER IS GRATUITOUS AND SHALL IN NO WAY BE DEEMED PART OF THE SALE OF PRODUCT HEREUNDER OR A WARRANTY OF THE RESULTS OBTAINED THROUGH THE USE OF SUCH PRODUCT.**

Without limiting the generality of the foregoing, if any product fails to meet warranties mentioned above, Seller shall at Seller's option either replace the nonconforming product at no cost to Buyer or refund the Buyer the purchase price thereof. The foregoing is Buyer's sole and exclusive remedy for failure of Seller to deliver or supply product that meets the foregoing warranties. Seller's liability with respect to this contract and the product purchased under it shall not exceed the purchase price of the portion 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 limitations loss of profits, capital or business opportunity, downtime costs, or claims of customers or employees of Buyer. Failure to give Seller notice of any claim within thirty (30) days of shipment of the product concerned shall constitute a waiver of such claim by Buyer. Any product credit received by Buyer hereunder, if not used, shall automatically expire one (1) year from the date the credit was granted. Notwithstanding any applicable statute of limitations to the contrary, any action by Buyer relation to a claim hereunder must be instituted no later than two (2) years after the occurrence of the event upon which the claim is based. All the foregoing limitations shall apply irrespective of whether Buyer's claim is based upon breach of contract, breach of warranty, negligence, strict liability, or any other legal theory.

THERMACLEAN® Product Line Guide – Copyright 2008-2010

COMPOSITES SAFETY INFORMATION (October 2011)

All sales of products manufactured by CCP Composites US (CCP), and described herein, are made solely on condition that CCP's 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 Material 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 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 work place 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 Material Safety Data Sheet for each product (identified by product number) before using. If unavailable, these can be obtained, free of charge, from your CCP representative or from: CCP Composites US, P.O. Box 419389, Kansas City, MO 64141-6389; 816-391-6053.

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.