

## Industrial and Metalworking Applications

Metalworking operations cause metal stress, dirty parts from drawing compounds, coolants and shop dirt.

### Your cleaner demands include:

- Waste-treatment concerns
- Foaming properties
- Safety in handling
- Spray vs. immersion washing

### Our cleaners are:

- Ferrous and non-ferrous metal compatible
- Environmentally friendly
- Easily managed by waste-treatment facilities
- Low-alkaline for improved worker safety

### DETERGENT

**IMMUNOL® 985 Series** - Low foam detergent **spray** cleaners for metal surfaces. Provides short-term indoor corrosion protection. Low foaming above 120°F.

**IMMUNOL® S-6-H - Immersion** detergent cleaner for soak tank cleaning and degreasing of steel and stainless steel parts.

**IMMUNOL® S-6-I - Immersion** detergent cleaner for soak tank cleaning and degreasing of all metals including steel, aluminum and brass.

**PURGITOL® RPV-1** - Liquid metal cleaner concentrate for use in **immersion** tanks, **ultrasonic** cleaning or **rotary barrel** cleaning systems. Its use is for removal of oily soils, such as machining, grinding, or drawing oil residues, synthetic coolants, rust preventives, lubricating oils and rolling oils. Provides temporary indoor rust protection.

*Our technical team is trained to provide a free customized cost-benefit analysis, based on your current costs to accurately forecast your potential total cost savings and process improvement.*

*We can also recommend accurate, reliable product metering equipment for your cleaning line.*

### ALKALINE

**HAMITERGE® 711-5-LF - Powdered** alkaline cleaner designed for **spray** cleaning of mill soils. Good for multi-metals including aluminum, brass, copper and steel. Not recommended for cast iron.

**HAMITERGE® 2031-C** - Concentrated alkaline **liquid spray** cleaner. Extremely low foaming. Good for steel and stainless.

**HAMITERGE® 8904-B** - Concentrated alkaline **liquid spray** cleaner suitable for removing heavy soils from steel and aluminum.

**HAMITERGE® 8922** - Concentrated alkaline **liquid spray** cleaner designed for use in power spray washers or **roto-brush** cleaning equipment at elevated temperatures.

**HAMITERGE® 2038-LFM** - Extremely low foaming **immersion** concentrated alkaline cleaner to remove difficult soils such as phosphate coatings and draw lubes. Excellent for steel.

**HAMITERGE® 2073-A** - Highly alkaline **immersion** cleaner suitable for hard water systems. Free rinsing.

## EMULSION

**HAMITERGE® 1934** - Liquid emulsion designed for use in multi or single-stage power spray washers or roto-brush type washers at elevated or ambient temperatures.

Low-foaming, free rinsing and provides rust protection to steel and ferrous metals. Non-staining to aluminum.

## SOLVENT

**HAMISOLVE® 622/ 622-RP** - Non-hazardous degreasing liquid solvent used in many applications for removal of oils, greases, mill soils, etc. Can be used on all metals as received by dip, spray or wipe. For additional rust protection, try **HAMICO® 622-RP**.

## VIBRATORY

**IMMUNOL® AC Series** - Mildly acidic cleaner/brightener for use in vibratory finishing or tumbling operations. Brightens steel, aluminum, copper or brass parts. Compatible with plastic, steel or ceramic media.

**IMMUNOL® BCR** - Neutral buffing compound remover suitable for all metals. Provides stain and corrosion protection.

**IMMUNOL® S-6** - Mildly alkaline, suitable for general cleaning and degreasing of steel. For aluminum protection, use **Immunol® S-6-I**.

**IMMUNOL® 1921** - Combination cleaner and rust preventive concentrate for use as a vibratory deburring compound with water on castings of iron, steel, aluminum, brass or bronze.

## Products for Every Application

## SPECIALTY

**PURGITOL® TMB** - Machine cleanout fluid to remove residual oils and bio-films as part of regular machine maintenance.

**HAMITERGE® 8407** - Yellow metal brightener.

### Manufactured By:



4309 N. Lawrence Street  
Philadelphia, PA 19140

*Harry Miller Corp offers a wide range of cleaners and special custom solutions created to meet your specific needs. Call us for more information or to schedule an onsite consultation.*

*Harry Miller Corp also offers a full line of aqueous and petroleum-based rust inhibitors, drawing and stamping fluids, cutting fluids, acid pickling solutions and non-destructive testing fluids.*



### Your Sales Rep/Distributor: