



**Troy**

## **PRODUCT BULLETIN**

### **CLEANING REFINERIES AND PROCESS REACTORS**

Minimum loss of production and maximum efficiency of operation is the target for every Troy Chemical cleaning program. We have been working with our customers for over 30 years to achieve those goals. We have a full range of specialized cleaning materials designed for use in the petroleum, paint, adhesive, and chemical industry where the minimization of downtime and maximization of process are critical to competing in today's global economy.

Troy Chemical has a products for cleaning towers, reactors, heat exchangers, storage tanks, pipes, transportation equipment and spills. Our products can be used to clean equipment in place, soak tank or high pressure spray. In addition we have the ability to custom formulate cleaners for your specific application.

We would like the opportunity to survey your facility, observe your processes and make recommendations based on our observations.

#### **SELECTED TROY PRODUCTS**

##### **ALKALINE CLEANERS**

Troy 1133 HD Alkaline Cleaner-A super duty alkaline cleaner specifically designed to remove grease, oils, resin and carbonaceous soils from process equipment. Low foam and can be recirculated or used in a soak application. Normal concentration is 3-5% at 140-180F. Free rinsing. Not safe on soft metals.

Troy 2501 HD Powdered Alkaline Cleaner. - A powdered version of the Troy 1133. and can be used in all the same applications. Also is and excellent cleaner to remove grease, oil and resin from concrete floors

Troy 2701-A mildly alkaline steam cleaner/pressure washer detergent for removing grease and oil from the exterior of process or transportation equipment. Safe on soft metals. Use at 2-5% at 140-180f.

Troy 2702-A HD Steam cleaner/pressure washer detergent for removing grease and oil from the exterior of tanks and process equipment. Not safe on soft metals. Use at 2-5% 140-180F

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Troy 1122-A HD cleaner/degreaser with a water soluble solvent to help dissolve tough deposits of grease and oil. Can be applied with pressure washing equipment, low pressure spray or mop and bucket. Contains limited alkalinity and may not be safe on all soft metals at use dilution. Use at 2-10% 120-180F.

#### ACID CLEANERS-SCALE AND RUST REMOVERS

Troy 2108 - A concentrated rust and scale remover for cleaning the water side of heat exchange equipment. Dissolves scale and rust and greatly improves the efficiency of the heat exchanger. This product is inhibited to be safe on soft metals. Use at 5-10% 140-200F. Recirculate for 2-12 hours.

Troy 2108-A –An inhibited muriatic acid rust and scale remover for cleaning the water side of mild steel heat exchange equipment. Do not use on soft metals or stainless steel. Use at 5-10% 140-200F Recirculate for 2-12 hours.

#### EMULSION CLEANERS

Troy 2604- A petroleum based emulsion cleaner designed to lift and emulsify greases, oil, and tar from the exteriors of process equipment and well as quickly facilitate the remove of spilled material from concrete floors. Use as is or can be diluted with water or kerosene. Ambient to 140F.

Troy 2606- A Citrus base emulsion cleaner that uses a biodegradable solvent and a powerful surfactant package to quickly emulsify greases, oils and tars so they can easily be flushed away. Use as is or dilute up to 5 to 10% with water. Ambient to 140F.

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