RR-50 NF

Made In The U.S.A. Since 1922

✦ Useful In Multiple Applications

RR-50 NF is an off-white, highly alkaline, powdered cleaner that is designed for use not only in hot vats, but also in spray cabinets where foam free operation is required. It aids in the rapid removal of grease, oil, dirt, sludge, loose carbon deposits, engine varnish, rust, engine enamels and paints. The chemical formulation of RR-50 NF includes a foam control agent, making this product an ideal cleaner for use on ferrous metals and certain non-ferrous metals.

✦ Designed To Remove Contaminants Fast and Efficiently

A special blend of alkaline detergents, chelating agents, foam control agents, wetting agents and dispersants help to make RR-50 NF a powerful cleaner. The wetting agents help to reduce the surface tension of the solution so that it can spread evenly over the metal, attacking the contaminants and removing them with the high alkaline detergents. Dispersants present in the formula help to prevent re-deposition of soil and the chelating agents help to remove rust and prevent flash re-rusting. The dispersants and chelating agents collect contaminants and hold them in suspension so they are not able to react with the detergents.

✦ Ideal For Use On Most Metals

Automotive repair shops, oilfield equipment rebuilders, machine shops, diesel shops and remanufacturers are industries that benefit from the use of RR-50 NF. Although, RR-50 NF is very effective at removing rust from ferrous metals, it is recommended to not use this product in the presence of aluminum, brass, bronze or Babbitt metals, as it will damage the metal beyond repair. RR-50 NF has a pH of 13.0, making it highly alkaline.

✦ Different Concentration Levels For Different Applications

Depending on the application of RR-50 NF, 2 ounces to 32 ounces may be required for effective cleaning. In spray cabinets, the typical usage rate is 4 ounces of product per gallon of water. Lighter cleaning jobs may use 2-4 ounces, whereas rust removal recommends 6-8 ounces per gallon of water. Hot vat operations may require anywhere between 8 ounces and 32 ounces per gallon of water, depending on the level of grease and grime. RR-50 NF is very effective at taking off baked-on soils and greases.

DANGER: POISON (UNDER FEDERAL CAUSTIC POISON ACT)
CAUSES BURNS, HARMFUL OR FATAL IF SWALLOWED
FOR INDUSTRIAL OR COMMERCIAL USE ONLY

PRECAUTIONS:

Avoid contact with skin, eyes, or clothing. Avoid breathing dust or mist. DO NOT SWALLOW. Use with good ventilation. When handling wear face shield or goggles, rubber gloves and protective clothing. While mixing, add slowly to surface of water and avoid splattering. Always add to lukewarm water as product generates heat on mixing and may cause boil over. **DO NOT USE ON ALUMINUM, GALVANIZED, BRASS, BRONZE, OR BABBITT.**

Consult SDS for more detailed information on the safe handling of this product.

DIRECTIONS FOR USE:

1) SPRAY CABINETS:

For many operations, 4 ounces per gallon of water is best, though anywhere from 2-8 ounces may be recommended. To achieve maximum rust removal, use 6-8 ounces per gallon at 185°F with wash cycle time of 30-40 minutes.

When mixing, RR-50 NF should be added to lukewarm water (80°F - 90°F). Ideal solution temperature should be 160-200°F. Makeup RR-50 NF may be needed as product is lost during reaction. How often this occurs and how much product is added will vary by process.

2) HOT VATS:

Depending on the degree of soil, use 8-32 ounces per gallon of water. When mixing, RR-50 NF should be added to lukewarm water (80°F - 90°F). Once RR-50 NF has been thoroughly mixed, the vat should be heated between 160°F and 195°F according to the degree of soil and time requirements.

HOW TO DETERMINE THE AMOUNT OF PRODUCT NEEDED TO MAKE A VAT

1) Measure the length, width and depth of the vat (inches or feet). When measuring the depth, measure from the top of the working solution to the bottom of the vat, NOT from the top of the vat to the bottom. Do not place the tape measure in the vat; measure from outside.

2) To determine the amount of working solution in gallons multiply:

Length (ft) x Width (ft) x Depth (ft) x 7.48 = gallons of working solution

Or

Length (in) x Width (in) x Depth (in) x 7.48 ÷ 1728 = gallons of working solution

3) To determine the amount of product needed in pounds, multiply the gallons of working solution by the recommended product concentration (16 ounces = 1 pound):

For example:

Recommended product concentration is 12 ounces (.75 pounds) per gallon of solution:

Vat measurement: 10 ft x 5 ft x 3 ft x 7.48 = 1122 gallons x .75 = 841.5 pounds of product

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