

# BIO-RUST F

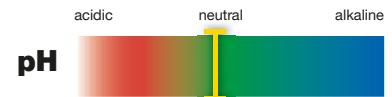
#RustFreeView

## THE LOW-FOAMING RUST REMOVER

A rust remover featuring a foamless formula. Bio-Rust F is the low-foaming version for the derusting of metal- and steel components, for removing rust- and lead compounds, and also for removing rust from corroded components. The water-based rust remover is not only material-friendly and label-free, but also free from halides. This guarantees safe applications, and the environment is protected.

The rust remover is ideal for use in the industry, the trade, for machines and automotive parts, and also for professional rust removal in many other areas. In addition, BIO-RUST F features a slight cleaning effect with light oils and greases.

- ▶ Water-based, pH-neutral cleaner and rust remover
- ▶ Low-foaming
- ▶ Free from halogens, material-friendly
- ▶ Ideal for use in immersion processes at ambient temperature and in ultrasonic devices
- ▶ In automatic parts washers (BIO-CIRCLE Turbo, HTW) at temperatures of 30 – 60 °C/86 – 140 °F
- ▶ For removing rust- and lead compounds from metal surfaces



A02052 20 L jerrycan

A20052 200 L plastic drum

A10052 1000 L IBC

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## THE LOW-FOAMING RUST REMOVER

### **pH-neutral rust remover**

BIO-RUST F is a new, innovative product for the fast and reliable removal of rust from metals in the pH-neutral range. From slight rust films to fingerprint corrosion to the removal of thick rust layers – BIO-RUST F is the ideal rust remover. Heat tinting on brass and copper is also removed effectively, and the metal is brightened.

### **Excellent material compatibility**

BIO-RUST F is free from halides. It smoothly “picks” the rust from the surface, so that the thickness of the metal surface will not be decreased. The service life of parts and tools will be extended.

### **Increased occupational safety**

BIO-RUST F is water-based and dispenses with aggressive acids in high concentrations. The film on the surfaces is removed gently, and the metal ion is bonded. BIO-RUST F is a non-hazardous preparation and does not qualify as dangerous goods during transport. Highly acidic rust removers that are subject to labelling can be substituted. Occupational safety for employees and users is increased.

### **Highly efficient, fast results**

Highly efficient BIO-RUST F is supplied ready for use. Parts can be taken out of the immersion bath after only 30 minutes' contact time. Neutralization of parts and surfaces after derusting is obsolete. Rinse delicate parts with water. If the parts are to be stored after derusting, we recommend using corrosion protection. Our application technicians from the lab will be happy to help you with this.

### **Process**

BIO-RUST F is already effective at ambient temperature. Higher temperatures will reduce the derusting time; e.g. at temperatures of over 40 °C/104 °F derusting time will be cut in half. Ultrasound boosts the process, too. As a rule, ultrasound will yield derusting times of 5 to 10 mins.

### **Environment**

The product works in the neutral pH range. Moreover, it contains no solvents of any kind and can be considered as VOC-free. After use, the time-consuming neutralization of the product and the rinsing water is not necessary. For the disposal of used fluids please observe the local official regulations.

### **Application**

The product is optimal for use in immersion processes. Temperature or ultrasound will boost the effect, thus shortening process times. For best results, set temperatures to 35 – 45 °C/95 – 113 °F. BIO-RUST F features a slight cleaning effect.