

# Technical Datasheet



Trade name : BIO-RUST F  
Reviewed : 18.09.2023  
Date of Print : 18.09.2023

Page : 1 of 1

## Description

BIO-RUST F is an innovative product for the quick and reliable removal of rust and lead contamination from metals in the pH-neutral range. It is free from halides and shows excellent material compatibility. It gently removes the rust from the surface, which means that the material surface is not eroded. Starting with light layers of rust film to fingerprint corrosion and removing heavy rust layers - BIO-RUST F is the ideal rust remover. In addition, the product has a slight cleaning effect on light oils and fats. After the rust removal, there is no need to neutralize the cleaned components - pH-neutral rust removal!

## Chemical characterisation

aqueous, ph-neutral rust remover

## Classification according to Regulation (EC) No. 1272/2008 [CLP]

-

## Transport Information

ADR : -

## Water hazard class (Classification acc. AwSV)

Water hazard class : 1 (slightly hazardous to water)

## Labelling for contents according to regulation (EC) No. 648/2004

< 5% Phosphonates  
< 5% Phosphates

## Safety Equipment

Eye / Face protection :	Suitable safety goggles acc. EN 166	In case of splash
Hand protection :	Suitable gloves type EN 374	In case of possible skin contact
Respiratory protection :	Combination filtering device DIN EN 14387	In case of exceeding exposure limit values

## Application

BIO-RUST F is ready to use. It is suitable for use in the immersion bath or in the machine and delivers visible results after less than 30 minutes. Even shorter treatment times are achieved by heating.

Rust removal time at different temperatures:

up to 30 ° C: 15-25 minutes  
at 40 ° C: 15 minutes  
at 50-55 ° C: 5-10 minutes

Note: In the case of severe corrosion, treatment at 50-55 ° C is recommended, the duration is then approx. 15-30 minutes.

An operating temperature of 50-55 ° C is recommended to remove lead contamination; the contamination is completely dissolved after 10 minutes.

## Technical Data

Appearance :	liquid	Solidifying temperature :	0 °C
Colour :	colourless	Ignition temperature :	Not applicable
Odour :	charakteristic	Upper explosion limit :	Not applicable
Boiling temperature :	ca. 100 °C	pH-Value :	6,8
Flash point :	Not applicable	VOC (CH) :	0 Wt.-%
Lower explosion limit :	Not applicable		
Density (20 °C) :	ca. 1,046 g/cm <sup>3</sup>		
VOC (EC) :	0 Wt.-%		

## Storage

Keep container tightly closed. Keep/store only in original container. Protect against sub-zero temperatures. Optimized storage temperature is between 2 °C up to 35 °C. The product is storable in closed original packaging for at least 12 months. Starting date is the date of production.

Storage class (acc. TRGS 510): 12

## Disposal advices

The waste codes listed below are recommendations based on the likely use of the product. Due to the special use and disposal conditions by the user, other waste code numbers can also be assigned under certain circumstances.

**Waste key according to EAK / AVV for the unused product**  
20 01 30     detergents other than those mentioned in 20 01 29.

**Waste key according to EAK / AVV for packaging**  
15 01 02     plastic packaging

For used products, the waste code is based on the contaminants entered.

Contaminated packaging must be completely emptied. They can then be recycled after appropriate cleaning. Uncleaned packaging must be disposed of in the same way as the substance.

## Order information

**A02052** Jerry can 20 l  
**A20052** Drum 200 l  
**A10052** IBC 1000 l

( DE )