

Technical Datasheet



Trade name : BIO-RUST F
Reviewed: 22.11.2018
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Description

BIO-RUST F is an innovative product for the fast and reliable removal of rust and lead contaminants from metals in the pH-neutral range. It is free of halides and shows excellent material compatibility. It gently removes the rust from the surface, which does not erode the surface of the material. Starting with light rust layers over fingerprint corrosion to the removal of strong rust layers – BIO-RUST F is the ideal de-ruster. In addition, the product has a slight cleaning effect on light oils and fats. After de-rusting, there is no need for neutralization of the cleaned components - pH-neutral de-rusting!

Chemical characterisation

Water-based, pH-neutral rust removing agent.

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

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Transport information

ADR : -

Water hazard class (Classification according to 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 or enduring 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 dipping bath or in the machine and delivers visible results already after less than 30 minutes. By heating, even shorter treatment times can be achieved.

Rust removal times at different temperatures:

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

Note: For severe corrosion, the treatment is recommended at 50-55 °C the duration is then about 15-30 minutes.

For the removal of lead contaminations, a working temperature of 50-55 °C is recommended, after 10 minutes the contaminations are completely dissolved.

Technical data

Appearance :	liquid		
Colour :	colourless		
Odour :	characteristic		
Boiling temperature :	ca. 100 °C	Solidifying temperature :	ca. 0 °C
Flash point :	not relevant	Ignition temperature :	not relevant
Lower explosion limit :	not relevant	Upper explosion limit :	not relevant
Density (20 °C) :	Ca. 1,046 g/cm ³	pH-value :	6,8
VOC (EG) :	0 Wt %	VOC (CH) :	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 are recommendations based on the schedule use of this product. Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances.

Waste code acc. EWC/AVV for unused product
20 01 29* Detergents containing dangerous substances.

Waste code acc. EWC/AVV for packaging
15 01 02 plastic packaging

These codes are assigned based upon the most common uses for this material and may not reflect contaminants resulting from actual use.

Contaminated packaging must be emptied of all residues and, following appropriate cleaning, may be sent to a recycling plant. Uncleaned packaging must be disposed of in the same manner as the medium.

(EN)

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Order information

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

