

## BONDERITE S-FN 7400

Known as P3-prevox 7400  
August 2016

### PRODUCT DESCRIPTION

BONDERITE S-FN 7400 provides the following product characteristics:

<b>Technology</b>	Industrial Cleaner
Product Type	Corrosion protection, oil-free
<b>Application</b>	Temporary corrosion protection
Concentration on steel g/L	5 to 20
Concentration on cast iron g/L	15 to 30
Operating Temperature °C	15 to 80

BONDERITE S-FN 7400 is an aqueous temporary corrosion protective based on organic components.

Change of colour is caused by raw material and has no impact on performance.

### Application Areas

Passivation of steel and cast iron for subsequent storage in closed warehouses.

Application in immersion and spray systems, especially in the last stage of multiple zone systems.

### Fields of application:

- water for leak testing hollow parts, e.g. radiators, fuel tanks, intake manifolds, cooling systems and silencers
- cooling water circuit on engine test benches
- cooling water for induction hardening
- mildly alkaline solutions as well as neutral cleaner solutions for improving the corrosion protection
- prior to painting

### TECHNICAL DATA

Appearance clear, light yellowish liquid  
Density at 20°C, DIN 51757 ~1.05 g/cm<sup>3</sup>  
pH-value, 10 g/L in DI water, 20 ~10.1  
°C  
DIN 51369

### DIRECTIONS FOR USE

#### Preliminary Statement:

Prior to use it is necessary to read the **Material Safety Data Sheet** for information about precautionary measures and safety recommendations. Also, for chemical products exempt from compulsory labeling, the relevant precautions should always be observed. Please also refer to the local safety instructions and contact Henkel for analytical support.

#### Bath make-up:

Add the required amount carefully to the circulation system.

Concentration on steel 5 to 20 g/L  
Concentration on Aluminium 15 to 30 g/L

#### Operating data:

Temperature 15 to 80°C  
Duration of treatment 0.5 to 3 min

Longer duration of treatment may cause discolouration on nonferrous metals.

#### Bath monitoring:

BONDERITE S-FN 7400 solution is controlled by total alkalinity.

Feed, mL 100 mL  
Titrant: 0.5 N hydrochloric or 0.5 N sulphuric acid  
End point: pH 3.6  
Indicator: Methylorange  
Titration factor (TF): 2.4

- Pipette 100 mL bath solution into a clean 300 ml Erlenmeyer-flask.
- Add 50 mL deionized water.
- Add 3 to 5 drops of indicator.
- Titrate the solution with 0.5 N hydrochloric or 0.5 N sulphuric acid.
- The endpoint will be shown by a colour change from orange to red (pH: 3.6).
- The added mL of 0.5 N hydrochloric or 0.5 N sulphuric acid multiplied by the factor TF 2.4 is equal to the concentration in g/L.
- Divide this by 10 to get the value in %.

#### Additional Directions:

Corrosion protection is increased, if deionized water instead of tap water is used and the work pieces are stored at low relative air humidity and shielded against weather exposure.

Below -5 °C the product may become solid. After heating and homogenization it can be used without any loss of efficiency.

#### Classification:

Please refer to the corresponding **Material Safety Data Sheets** for details on:

**Hazards identification**  
**Transport information**  
**Regulatory information**

**Storage**

Recommended Storage Temperature	-5 to 40°C
Shelf-life, months	24 months

**ADDITIONAL INFORMATION****Disclaimer****Note:**

The information provided in this Technical Data Sheet (TDS) including the recommendations for use and application of the product are based on our knowledge and experience of the product as at the date of this TDS. The product can have a variety of different applications as well as differing application and working conditions in your environment that are beyond our control. Henkel is, therefore, not liable for the suitability of our product for the production processes and conditions in respect of which you use them, as well as the intended applications and results. We strongly recommend that you carry out your own prior trials to confirm such suitability of our product.

Any liability in respect of the information in the Technical Data Sheet or any other written or oral recommendation(s) regarding the concerned product is excluded, except if otherwise explicitly agreed and except in relation to death or personal injury caused by our negligence and any liability under any applicable mandatory product liability law.

**In case products are delivered by Henkel Belgium NV, Henkel Electronic Materials NV, Henkel Nederland BV, Henkel Technologies France SAS and Henkel France SA please additionally note the following:**

In case Henkel would be nevertheless held liable, on whatever legal ground, Henkel's liability will in no event exceed the amount of the concerned delivery.

**In case products are delivered by Henkel Colombiana, S.A.S. the following disclaimer is applicable:**

The information provided in this Technical Data Sheet (TDS) including the recommendations for use and application of the product are based on our knowledge and experience of the product as at the date of this TDS. Henkel is, therefore, not liable for the suitability of our product for the production processes and conditions in respect of which you use them, as well as the intended applications and results. We strongly recommend that you carry out your own prior trials to confirm such suitability of our product.

Any liability in respect of the information in the Technical Data Sheet or any other written or oral recommendation(s) regarding the concerned product is excluded, except if otherwise explicitly agreed and except in relation to death or personal injury caused by our negligence and any liability under any applicable mandatory product liability law.

**In case products are delivered by Henkel Corporation, Resin Technology Group, Inc., or Henkel Canada Corporation, the following disclaimer is applicable:**

The data contained herein are furnished for information only and are believed to be reliable. We cannot assume responsibility for the results obtained by others over whose methods we have no control. It is the user's responsibility to determine suitability for the user's purpose of any production methods mentioned herein and to adopt such precautions as may be advisable for the protection of property and of persons against any hazards that may be involved in the handling and use thereof. In light of the foregoing, **Henkel Corporation specifically disclaims all warranties expressed or implied, including warranties of merchantability or fitness for a particular purpose, arising from sale or use of Henkel Corporation's products. Henkel Corporation specifically disclaims any liability for consequential or incidental damages of any kind, including lost profits.** The discussion herein of various processes or compositions is not to be interpreted as representation that they are free from domination of patents owned by others or as a license under any Henkel Corporation patents that may cover such processes or compositions. We recommend that each prospective user test his proposed application before repetitive use, using this data as a guide. This product may be covered by one or more United States or foreign patents or patent applications.

**Trademark usage**

Except as otherwise noted, all trademarks in this document are trademarks of Henkel Corporation in the U.S. and elsewhere. ® denotes a trademark registered in the U.S. Patent and Trademark Office.

Reference 0.1