

TECHNICAL DATA SHEET

IRONHOLDER

Acid Inhibitor

(Acid Inhibitor for Hot Dip Galvanizing Process)

IRONHOLDER (Acid Inhibitor); It is used in Hydrochloric acid baths in Hot Dip Galvanizing Processes. Prevents excessive etching during cleaning of steel, iron and cast parts treated in acid baths. A homogeneous surface is formed on properly cleaned steel. The service life of acid bath prolongs.

Usage Method

Usage Rate : % 0,3 – % 0,42 ((Based on the amount of HCl (Hydrochloric Acid) used in the bath)

If 500 kg of acid concentrate (%30) is added for a 1000 lt bath (An example, %15 of HCl Bath) 1,5 – 2,1 Kgs of IRONHOLDER (Acid Inhibitor) should added.

PRODUCT SPECIFICATIONS	
Color	White , Colorless Liquid
pH	7 - 8
Density	1,045 gr/cm3
Boume	7

WORKING CONDITIONS	
Method of Application :	Dipping Type
Concentration :	% 0,3 – % 0,42
Working Temperature :	5°C – 50 °C
Treatment Time :	-
Free acidity :	-
pH :	-

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BATH CONTROL

When the pickling bath is prepared, 0.3% – 0.42% Ironholder is added to the amount of acid in the bath. For example, 1.5 kg – 2.1 kg Ironholder (Acid Inhibitor) is added to the mixture for 1000 lt bath installation (500 kg water + 500 kg HCL). Afterwards, 0.3% – 0.42% product is added for each hydrochloric acid added to the bath.

Note: Baths should be PP or stainless steel, covered with an edge and heat-resistant substances.

TRANSPORT AND USAGE

- **Ironholder (Acid Inhibitor)** It should be stored for a maximum of 2 year in its original IBC package or in 30 lt drums in a closed environment protected from direct sunlight (+4 / +30) in a humidity-free environment. If the product freezes, the drum can be restored by placing it in hot water and mixing it. It should be protected against the risk of high temperature. Transportation activity should be done with vehicles in accordance with the ADR regulation.

PACKAGE

- 1000 kgs IBC Tank – 30 lt drum

SAFETY PRECAUTIONS

- In case of skin and eye contact, wash with plenty of water. Consult your doctor.
- For more detailed information on the subject, see the product MSDS.

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ANTIFUM

Acid Fuming Inhibitor

(Acid Fuming Inhibitor for Hot Dip Galvanizing)

ANTIFUM (Acid Fuming Inhibitor); It prevents evaporation of acid by forming a light foam layer top of HCl (Hydrochloric Acid) baths in Hot Dip Galvanizing Processes. While protecting human and environmental health, it also prevents wear caused by acid vapor in the facility.

USAGE METHOD

Usage Rate : % 0,3 – % 0,42 (Based on the amount of HCl (Hydrochloric Acid) used in the bath)

If 500 kg of acid concentrate (%30) is added for a 1000 lt bath (An example, %15 of HCl Bath) 1,5 – 2,1 Kgs of ANTIFUM (Acid Fuming Inhibitor) should added.

PRODUCT SPECIFICATIONS	
Color	Yellowish
pH	6 – 7
Density	1,048 gr/cm3
Boume	7

WORKING CONDITIONS	
Method of Application :	Dipping Type
Concentration :	% 0,3 – % 0,42 of HCl
Working Temperature :	5°C – 50 °C
Treatment Time :	-
Free acidity :	-
pH :	-

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BATH CONTROL

If acid vapor output is observed in the pickling, ANTIFUM (Gas output) can be added.

Note: Baths should be PP or stainless steel, covered with an edge and heat-resistant substances.

TRANSPORT AND STORAGE

- **Antifum (Acid Fuming Inhibitor)** It should be stored for a maximum of 2 year in its original IBC package or in 30 lt drums in a closed environment protected from direct sunlight (+4 / +30) in a humidity-free environment. If the product freezes, the drum can be restored by placing it in hot water and mixing it. It should be protected against the risk of high temperature. Transportation activity should be done with vehicles in accordance with the ADR regulation.

PACKAGE

- 1000 kgs IBC Tank – 30 lt drum

SAFETY PRECAUTIONS

- In case of skin and eye contact, wash with plenty of water. Consult your doctor.
- For more detailed information on the subject, see the product MSDS.

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FLUXWET

Flux Additive

(Flux Additive For Hot Dip Galvanizing)

FLUXWET (Flux Additive); Its main purpose is to adjust the surface tension of the bath and to minimize unnecessary flux consumption. It provides a more homogeneous and tight adherence of flux salts to the surface. It creates a homogeneous coating by minimizing the crystallization thickness. It prevents explosions at the maximum level during diving into the zinc furnace.

USAGE METHOD

Usage Rate: % 0,5 (Fluxwet directly should added to flux bath)

5 kg Fluxwet is added for 1000 lt Flux bath during installation.

PRODUCT SPECIFICATIONS	
Color	Green liquid
pH	6
Density	1,040 gr/cm3
Boume	5

WORKING CONDITIONS	
Method of Application :	Dipping Type
Concentration :	% 0,5
Working Temperature :	0°C – 70 °C
Treatment Time :	60 Second
Free acidity :	-
pH :	4 – 5,5

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BATH CONTROL

For every 1 ton of Flux addition, 30 kg of “FLUXWET” is added.

Note: Baths should be PP, covered with an edge and heat-resistant substances.

TRANSPORT AND STORAGE

- **Fluxwet (Flux Additive)** It should be stored for a maximum of 2 year in its original IBC package or in 30 lt drums in a closed environment protected from direct sunlight (+4 / +30) in a humidity-free environment. If the product freezes, the drum can be restored by placing it in hot water and mixing it. It should be protected against the risk of high temperature. Transportation activity should be done with vehicles in accordance with the ADR regulation.

PACKAGE

- 1000 kg IBC Tank – 30 lt Drum

SAFETY PRECAUTIONS

- In case of skin and eye contact, wash with plenty of water. Consult your doctor.
- For more detailed information on the subject, see the product MSDS.

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GALVAGUARD

Organic Passivation

(Passivation For Hot Dip Galvanizing)

GALVAGUARD (Passivation); The main purpose of treating hot-dip galvanized parts in passivation bath after galvanization is to prevent white rust and corrosion, and keep product brightness.

USAGE METHOD

Usage Rate : % 5

For 1000 lt Passivation bath, 50 kg Galvanguard should added.

For 1000 lt bath (950 kg water + 50 kg Galvanguard) The product is easy to mix with water.

PRODUCT SPECIFICATIONS	
Color	Colorless Liquid
pH	10 – 11
Density	1,014 gr/cm ³
Boume	2

WORKING CONDITIONS	
Method of Application :	Dipping Type
Concentration :	% 5
Working Temperature :	25 – 50 °C
Treatment Time :	60 second
Total Alkalinity :	1,5-2,5
pH	10 – 12

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BATH CONTROL

Total Alkalinity and pH value should be checked.

➤ **Total Alkalinity Analysis ;**

5 ml of the Galvanguard bath sample is taken and put into the flask. Then, 5 drops of phenolftolein indicator are added and titrated with 0.1N HCL until the color becomes transparent. The amount of HCL spent will be equal to the percent alkalinity of the bath.

Not: Banyolar, aside, alkaliteye ve ısıya dayanıklı maddeyle kaplı PP veya paslanmaz çelikten olmalıdır.

TRANSPORT AND STORAGE

- **GALVAGUARD (Passivation)** It should be stored for a maximum of 2 year in its original IBC in a closed environment protected from direct sunlight (+4 / +30) in a humidity-free environment. If the product freezes, the drum can be restored by placing it in hot water and mixing it. It should be protected against the risk of high temperature. Transportation activity should be done with vehicles in accordance with the ADR regulation

PACKAGE

- 1000 kg IBC Tank

SAFETY PRECAUTIONS

- In case of skin and eye contact, wash with plenty of water. Consult your doctor.
➤ For more detailed information on the subject, see the product MSDS.

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