

# Data Sheet



The information contained in these data sheets product performance when used in their intended WIM Inc. cannot foresee all of the potential place when these products are used. Please read for more information about these products.

## WIM<sup>®</sup> Acid Foamer F52

WIM<sup>®</sup> F 52 is a foaming additive for sulfuric, muriatic, phosphoric and hydrofluoric/nitric blends of acid. F 52 is a balanced formulation utilizing surfactants and surface conditioning agents. This special combination of chemicals is a low cost foaming system which will build a layer of foam on the surface of your pickle tank reducing acid fumes, spray, and mist. The foam blanket is formed by the escaping hydrogen gas and when this bubble reaches the surface and breaks the F 52 bubble will tend to implode upon itself rather than exploding, throwing acid particles into the atmosphere.

The amount of foam generated depends on several factors including mechanical agitation and surface reactivity of the steel being pickled. Low carbon to medium carbon grades of steel are not as reactive in a pickle as are higher carbon and alloy grades, so you can expect less foam to form when pickling lower carbon steel.

## Recommended Usage

### Sulfuric, Phosphoric Acid

F 52 is added at the rate of 0.4 to 0.8 % of the acid volume added to the pickle.

### Hydrochloric and Hydrofluoric Acid

F 52 can be added at the rate of 1:4000 to 1:2000 of the tank volume of an untreated tank.

## Acid Recovery

### Sulfuric Acid

F 52 can be added to the recovered acid stream at a rate not exceeding 0.8 % of the virgin acid volume added to the stream to replenish the acid.

### Hydrochloric Acid

F 52 can be added to the recovered acid stream at a rate of 1:4000 to 1:2000 of the volume of the flow rate.