Wetting Agent A
flux stability surfactant

Product Overview
Zaclon Wetting Agent A is a specialized wetting agent designed for use in acidic surface preparation baths, such as acid rinse water and preflux solutions. Wetting Agent A aids in wetting of the metal surface, gives better drainage and thinner flux layers, and can decrease zinc spatter in the hot-dip galvanizing operation.

Uses
Preflux Solutions
When used in preflux solutions, Wetting Agent A will assure complete coverage of the material immersed in the bath with a preflux film. Complete coverage will help improve zinc coating quality. Wetting Agent A will assure better drainage when the material is withdrawn from the preflux. Better drainage will reduce preflux consumption and also with drying; spattering at the kettle will be reduced. Wetting Agent A creates a thin foam blanket with mild agitation, which will insulate the bath to reduce heating costs.

Acid Rinse Water
When used in the acid rinse water, Wetting Agent A will improve rinsing and reduce dragout of contaminants, such as acid, sulfates, and iron into your preflux solutions.

Application
In preflux solutions, the optimum concentration of Wetting Agent A is 0.01-0.03% by volume (0.1-0.3 gallon of Wetting Agent A per 1,000 gallons or 0.1-0.3 liter per 1,000 liters). In acid rinse water, the lower-end concentration above is effective.

Wetting Agent A is viscous and to assure better mixing, it should be blended in ten parts of hot water before adding to large galvanizing plant tanks. Excessive agitation will cause excess foaming.

Wetting Agent A is not recommended for use in hydrochloric or sulfuric acid pickling baths. Picking and stripping action creates hydrogen gas, which can be trapped in the foam bubbles of the Wetting Agent A and make the foam flammable. The strong acids will also degrade the Wetting Agent A.

Storage and Handling
Wetting Agent A should be stored in a cool, dry place in closed containers. Normal safety precautions should be employed when handling, such as gloves and safety goggles.

Personal Safety and First Aid
Health Hazards & Safety Precautions
Wetting Agent A causes irritation of the eyes, skin, nose and throat. Overexposure may cause liver, dizziness, headache, and nausea. Avoid contact with the eyes and skin. Avoid breathing mists or vapors.

First Aid
In the case of eye or skin contact, immediately flush eyes or skin with water for at least 15 minutes and call a physician. Remove any contaminated clothing and wash before reuse. If inhaled, move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen and call a physician. If swallowed, do not induce vomiting, immediately give two glasses of water or activated charcoal slurry and call a physician.

Shipping Containers
Zaclon ships Wetting Agent A in 5 gallon (45 lb) pails and 55 gallon (400 lb) drums.