



Product Bulletin

Product Name: Poly Flim E-1050
Product Code: 2508909
Revision Date: September 18, 2025

Poly Flim E-1050

#1050 is low foam concentrated surface treatment for phosphated and bare steel. Designed for critical applications with strict tolerances for rust and stain control. HIGH PERFORMANCE. Non-filming coating compatible.
FORD TOX# 042107

#1050 Provides ultra performance and extended stain & corrosion inhibition. In plant protection for up to 90+ days. Ideal for use in zinc and iron phosphate systems.

#1050 does not affect or interfere with subsequent processing such as: Heat Treating, Welding, Bonding, Painting & Coating.

Features & Benefits

Non Hazardous, Biodegradable, Non Phosphated, Low Odors.
Low Foam at all Temperature Ranges. Safe for Employees
Used prior to dip spin coatings, e-coatings, powder coatings, etc. etc.

Effective in central wash systems. Easily splits oils for recycling recovery.
Contains water conditioners for improved rinsing & sludge control.

#1050 provides long solution life & extended productivity. Resistant to contaminants. High performance, Low Cost, Non Hazardous

Physical Data

pH	11.0
Product Type	Liquid
Spec. Gravity	1.3
lbs./gal.	8.59
Foam, 0 = Low, 9 = High	0
Shelf-Life Years	10 years
Freeze Information	Not Damaged by Freezing



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Typical Processing

PASSIVATION & ANTI-RUST:

- 1) #1050 1/2-5% by volume
100- 140 deg. F 30-90 seconds, 25 psi Spray OR SOAK DIP
- 2) Air Dry. OPTIONAL

SOAK TANKS: 1-12% by volume, Time: As required, 140-190 deg.
With Agitation

Packaging

Container Type	Poly Drums
Net Units	47u2
Tare Wt.	25
Gross Wt.	495
DOT_Name	Not regulated by DOT.
DOT Hazard	Not regulated.
Tarriff ID	3402.90

Use Parameters

Concentration Range	1/2-10% by Bolume
Temperature Range	90-180 DEG. F
Time Range	As Required (1/2 – minutes)
Agitation	Spray

Waste Disposal

NEUTRALIZE PH, REMOVE FATS, OILS, GREASE AND HEAVY METALS

Holding Tank Materials of Construction

Steel, stainless, or poly.



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Other Information

It is important that the OSHA DATA, "Material Safety Data Sheet" be carefully read and reviewed with the users of this product. OSHA data is required to be posted in the work area by law.

Testing, Operating & Troubleshooting Data

Standard Method:

1. Transfer A 10 MI Sample Into Test Bottle
2. Add 5-10 Drops Bromcresol Purple Indicator Solution Turns Purple Upon Addition Of Indicator
3. Titrate With .1 N Acid Until Yellow Endpoint Achieved Record The Number Of Mls Required To Reach Endpoint
4. Multiply The Number Of Mls By A Factor Of 1.06 = % By Volume

As Reference...

2% Refractance Reading = 0.2

5% Refractance Reading = 0.8

10% Refractance Reading = 1.1

2% Ph Reading = 9.8

5% Ph Reading = 9.85

10% Ph Reading = 9.9

Ph Should Be Monitored In Daily Operations, For Any Drag/carryover From Previous Acid Rinse Stages.

A Fresh, Lab Prepared 2% Solution Has A Ph Of 9.8.

In An Operating Environment, Ph Needs To Be Maintained > 9.0

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563 South Leonard Street, Waterbury, CT 06708 • HubbardHall.com • 800-648-3412

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Our People. Your Problem Solvers.

For more information on this process,
please call us at 203.756.5521 or email: techservice@hubbardhall.com

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