



Product Bulletin

Product Name: POLY LYTE 246 D-Tack

Product Code: 2600912

Revision Date: September 16, 2025

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PAINT BOOTH OVERSPRAY WATER TREATMENT ADDITIVE

#246 is an acidic polymer fluid which is used to control tacky residue in paint overspray booths. #246 is used in equal parts with #243 alkali buffer material to maintain an alkaline ph of the water system.

#243 is a low cost PH adjusting liquid that is used in combination with POLY LYTE 246 that attaches to the surface of tacky coatings and makes them non-sticky. Paint solids are rendered non-adherent to one another.

#243 & #246 are high solids liquids that are easy to work with. Allows for dewatering of waste paint slurries. When the above materials are used with cationic polymer #1225 NJT the paint solids will have a tendency to float allowing

for ease of filtration / flotation removal.

Features & Benefits

Liquid concentrate. Easily dispensed into the paint overspray system.

High solids liquid that provides low cost results.

The system of #246 + #243 ph adjuster, and #1225 flocculation polymer provides an easy to filter floating sludge.

Paints and coatings treated with #246, #243, #1225 are easy to handle and dispose of without tacky characteristic.

Physical Data

pH	2.0
Product Type	Liquid
Spec. Gravity	1.05
lbs./gal.	8.76
Foam, 0 = Low, 9 = High	2
Shelf-Life Years	6 Months
Freeze Information	Damaged by Freezing

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Packaging

Container Type	Poly
Net Units	473
Tare Wt.	25 LB.
Gross Wt.	498
DOT_Name	UN 3264, Corrosive Liquids, Acidic, inorganic, N.O.S., (Hydrochloric Acid), 8, PG III
DOT Hazard	Corrosive
Tariff ID	

Use Parameters

Concentration Range	¼-1% typically.
Temperature Range	ambient
Time Range	on contact
Agitation	per equipment in booth

Typical Processing

Add .25% #243 & and .25% #246 to water wash paint booth. Maintain ph in system at 8-10 by feed pump using #243. Add #246 by feed pump to detack paint. Feed highly dilute #1225 (.1%) flocculating polymer to float paint.

Each coating slurry is slightly different depending on the a) solids level, b) amount of acidic materials present, c) Type or resin or pigments. d) Amount of and type of solvents present, e) Solvent based or water based coatings.

Coatings slurries can in most cases be “dewatered” after treatment to minimize disposal. The above feed rates must be adjusted per your site and the quantity of paint that is being used. This is site specific.

Waste Disposal

CONTAIN AND NEUTRALIZE SPILLS..

Holding Tank Materials of Construction

ACID RESISTANT, 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

Also See #243 D-floc Use And
Technical Data. (9-2014) Products
243 And 246 Are Used As A Team.

246 Is A Mildly Acidic D-tack Flocculant Additive.

Start-up And On Going Use Of Products:

Initial Makeup Of Bath:

- 1) Add .25% #243 And .25% #246 To Water Wash Paint Booth.
Test Ph: It Should Be 9 -10 Or Add More #243 Until Ph Is 9+.
- 2) Feed Both #246 And #243 With Pumps At Equal Parts. Test Ph Periodically To Assure Of 9+ In System. A Low Ph Will Cause The Paint To Get Sticky And / Or Emulsify.
Note: Add 243 Immediately If System Goes Below A Ph Of 8.
- 3) If Paint Becomes Visibly Sticky Increase Rate Of #246 Feeding Into The System. And Maintain Ph At 9+.
Special Note: The Use Rate Of The Chemicals Is Directly Related To The Amount Of Paint That Is Going Into The System.

Higher Volumes Of Paint Require Higher Volumes Of Chemistry.

Balance The Feed Pumps To Relate To Quantity Of Paint Going Into The System .

Feed Pumps Should Automatically Be On A "go / No Go Circuit". If Paint Is Not

Being Sprayed Then

Pumps Should Not Be Operating.

- 4) Paint Solids Recovery System Such As A "palin" Are Ideal For Solids Recovery. Inspection Of The Solids Being Removed From The System Periodically Is A Good Practice To Know How The System Is Operating. A Semi Tacky Sludge In The Filtered Resins Is A Good Indication That Additional Chemistry Might Be Needed.

Systems Should Be Purged And Cleaned When Needed And Each System Is Slightly Different Depending On Agitation, Flow Rates, And Use Of Chemistry.

Water Based Coatngs: Special Needs.

Water Based Coatings Have Significant Levels Of Wetting Agents That Can Cause Excessive Foaming. Use Of Defoamer #209 Is Ideal For Controlling Foam. #209 Is Typically Prepared In A 10% By Volume Mix Tank And Feed Into Areas Where Foam Has Been Identified.

Polymer 1225 Is Used To Coagulate Paint Solids And Allows Them To Float Or Sink Depending On The System. 1225 Is Diluted In A Mix Tank And Feed Slowly Into The System With A Pump To Help Solids Collect Together (Coagulate) And Allow For Easy Removal And Clarification Of The System.



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If Titration Is Desired: (1/02)

- 1) Transfer A 10 MI Sample To Test Bottle,
- 2) Add 5-8 Drops Of Phenolphthalein Indicator, (Aka: Indicator #30 Or #1) 3)
Titrate Using .1 N Acid, (Test Solution #8 Or #80) Until Color Is Clear.
- 4) Multiply The Number Of Mls To Achieve Color Change By A Factor
Of .25 = % By Volume Target Range = .25 - 1.0 % By Volume Typical.

Conductivity Controls.

Measuring The Conductivity Of The Solution Can Also Be Useful In Many Overspray Booths.

Conductivity Measure The Dissolved Salts Content In The Bath Which Can Be Useful In Some Applications.

Trouble Shooting:

<u>Problem:</u>	<u>Corrective Action</u>
Coating Is Tacky In Solution	Ph Of System Is Too Low, Raise Ph To 9+ Using #243 Alkali Low Level Of #246 Polymer In Bath. Add Extra #246
Ph Is Low (Below 8.0)	Add # 243 Alkali To Raise Ph To 9+
Foaming;	Air In Pumps. Inspect Piping And Pumps

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