



Technical Data Sheet

Product Code: 0005654 Revised Date: 5/01/2025

ENVIRO/Flow HAL-54

Product Description

ENVIRO/Flow HAL-54 is a unique blend of ingredients formulated for use in a horizontal hot air leveling process. ENVIRO/Flow HAL-54 will remove light copper oxides and lay down a protective layer of flux to protect soldermask and promote good solderability of copper pads. ENVIRO/Flow HAL-54 will provide a bright uniform solder finish with good rinsability. ENVIRO/Flow HAL-54 is a solvent free flux, non-foaming formulation that is compatible with LPI and dry film soldermasks.

Performance Features

- Removes light copper oxides
- Protects soldermask
- Promotes excellent solderability of copper pads

Physical Specifications

Physical State	Liquid
Appearance	Clear - Light Amber Solution
Odor	Slight Acidic Odor
Freeze/Thaw Stability	Protect From Freezing
Flash Point	550°F
pH (Neat)	< 3

Equipment Requirements

ENVIRO/Flow HAL-54 is compatible with all types of plastic, elastomers, and stainless steel employed by standard fluxing equipment. ENVIRO/Flow HAL-54 is not compatible with mild steel or aluminum.

Product Make-Up

Use as is. Do not dilute with water or alcohol.

Operating Parameters

ENVIRO/Flow HAL-54 can be applied with a standard flux applicator. It is not necessary to heat ENVIRO/Flow HAL 54 prior to use.

Replenishment

The solution level should be maintained by adding fresh ENVIRO/Flow HAL-54. The addition of water and/or isopropyl alcohol is not recommended.

Safety and Handling

Read and understand SDS before using.

Waste Treatment

Individual users should verify the nature of spent solutions to assure compliance with local, state, and federal regulations. Contact Seacole for specific details and/or further waste treatment recommendations.

Ordering Information

ENVIRO/Flow HAL 54 is packaged in 5-gallon pails and 55-gallon drums.



+1 (763) 582-1140 | +1 (800) 966-2909 | 13505 Industrial Park Blvd. Plymouth, MN 55441 | seacole.com

