

Product Bulletin

Product Name: STAINLESS PASSIVATE L-50

Product Code: 2541082

Revision Date: May 30, 2025

STAINLESS PASSIVATE L-50

STAINLESS STEEL PASSIVATION TREATMENT

L-50 is a CONCENTRATED CITRIC ACID liquid for passivating all types of stainless steel. Eliminates the necessity of using hazardous nitric acid. NON-CORROSIVE BY DOT RULES.

L-50 provides an effective acidic product for removal of steel fines and residue from stainless surfaces. ASTM STANDARD FOR PASSIVATION "A-967" (nitric requires 20-40% acid, 140+ f., 30-60 minutes) Use in place of cancelled U.S. Defense spec QQP35C.

LF-50 is mild for employees to handle and work with. It does not fume, has no odor and is not a corrosive product as

determined by the DOT. L-50 is easily controlled by simply titration.

Features & Benefits

Non-phosphated and biodegradable.

Rinses freely with cold or warm water.

SAFER PRODUCT FOR STORAGE AND HANDLING.

Effectively removes metal residue from surfaces.

Treats 304/ 304L, 316/316L, 302/HQ, 305, 630, 450, 455, 465, 430, 409, 410, 420, 303, 18-FM, 409Cb-FM, 416 (Note, temperature can vary for 409 = 180 -200 f. and 410 / 420 @ 120 - 130 F.,) (not for use on 430F, 430FR,)

Typical Processing

DEGREASE AND PRE-CLEAN: (free of grease and oils)

1. POWER SOAK SAC 22, 3-8%, 125 - 150, 2-12 MIN. (or similiar)
2. Fresh Rinse, agitated,
3. Fresh Rinse Agitate warm would help.
4. PASSIVATE L-50, 150 -160+ F., 30 MIN. 18-22% BY VOLUME.
5. Note: Light stirring agitation is preferred.
6. Rinse
7. Rinse, optional warm (to dry parts) 120 - 150 f.



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Specifications

pH	1.0~
Prod._Type	Liquid
Spc.Grav	1.242
LBS./GAL	10.36
FOAM 0=low 9=high	0
Shelf life years:	10 Years
Freeze information	Not damaged by freeze

Packaging

Container Type	POLY
Net Units	565
Tare Wt.	25 LB.
Gross Wt.	590
Dot_Name	Not Regulated by D. O. T.
DOT Hazzard	Not Regulated
Tariff ID	2918.14.00

Use parameters

Concentration Range	Concentration range 3-6% by Volume Temp.
Range	75-150 Deg. F.
Time Range	20 sec. – Min
Agitation	Spray or Dip

Use parameters

Concentration Range	18-24%
Temperature Range	150-160 F, Min 150F
Time Range	As needed per job.

Waste Disposal

Neutralize

Remove Metals, fats, oils, grease per local rules

Holding Tank Materials of Construction

Acid Resistant, Stainless or Poly



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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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