



# LOVE & ASSOCIATES

MANUFACTURERS OF  
INDUSTRIAL COATINGS

TECHNICAL  
DATA SHEET

## RT-45 WATERBORNE RUST CONVERSION COATING

**DESCRIPTION:** RT-45 is a Tannic Acid based rust conversion coating that reacts with the iron to form ferric tannate. The protective coating left, results in a high degree of water resistance and extreme durability in corrosive environments.

### TYPICAL USES INCLUDE

Rusted steel surfaces

### TYPICAL PHYSICAL PROPERTIES:

<b>COLOR:</b>	Off White/Pinkish	<b>V.O.C.:</b>	0.19 lbs/gal 22.77g/l
<b>COMPONENTS:</b>	One	<b>RECOMMENDED D.F.T.:</b>	3 mils/coat
<b>GLOSS:</b>	Semi-Gloss	<b>DRY TIME:</b>	@ 77° F, 55% R.H.
<b>MIXING RATIO (BY VOL.):</b>	N/A	To Touch:	30-45 Minutes
<b>WT./GALLON:</b>	12.55+/- lbs	To Handle:	2-4 Hours
<b>POT LIFE:</b>	N/A	To Recoat:	4-6 Hours
<b>VISCOSITY AT 77° F:</b>	75-80 KU	<b>THINNING:</b>	Brush: T-502 or water Spray: T-502 or water
<b>SHELF LIFE:</b>	1 Year	<b>APPLICATION METHODS:</b>	Brush, Roll, Mop
<b>SOLIDS BY WEIGHT:</b>	64%	<b>FILM THICKNESS:</b>	Wet: 4-6 mils per coat Dry: 2.5-3.8 mils per coat
<b>SOLIDS BY VOLUME:</b>	46%	<b>CLEANING OF EQUIPMENT:</b>	T-502 or water
<b>CHEM. RESISTANCE:</b>	Moderate		
<b>THEORETICAL COVERAGE:</b>	1024 ft <sup>2</sup> /gal @ 1 mil dft		
<b>FLASH POINT:</b>	>200° F, TCC		

**PACKAGING:**

1 Gallon Cans

5 Gallon Pails

**APPLICATION CONDITIONS:**

Surface should be dry, above 40° F and at least 5° F above the dew point.

**Protect From Freezing.**

**SURFACE PREPARATION:**

Remove all grease, oil, dirt, dust or other contaminants.

**NORMAL SERVICE:** For highly porous surfaces, clean with detergent wash followed by water blast, steam, or high pressure, oil-free air. If any grease or oils are present, use an industrial degreaser to remove them.

**PREVIOUSLY PAINTED SURFACES:**

Remove all grease, oil, dirt, dust or other contaminants. Surface must be clean and dry. Remove all loose rust, rust scale, chalk, and loose peeling paint by SSPC–SP2 and 3 Hand and Power Tool Cleaning, or SSPC–SP7 Brush-Off Blast Cleaning.

**SAFETY INFORMATION****DOT CLASSIFICATION: NOT REGULATED**

**DANGER:** Causes eye burns and skin irritation. Vapor harmful. Dried film of this paint may be harmful if eaten or chewed. May contain organic solvent. Do not get in eyes, on skin or on clothing. Wear protective eye equipment when handling. Keep away from heat, sparks, and flame. Avoid breathing vapor or mist. Wash thoroughly after handling. Wear appropriate, properly fitted respirator (NIOSH/MSHA approved) during and after application unless air monitoring demonstrates vapor/mist levels are below applicable level. Follow respirator manufacturer's directions for use. Keep container closed. Keep out of reach of children.

**FIRST AID:** IN CASE OF EYE CONTACT, IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. CALL A PHYSICIAN. FOR SKIN CONTACT, FLUSH WITH WATER AND WASH WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING AND LAUNDER BEFORE REUSE. IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION, PREFERABLY MOUTH-TO-MOUTH, AND CALL A PHYSICIAN.

**NOTICE:** Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

**FOR INDUSTRIAL USE ONLY**