

## Description

**Safecote® CLV is a water-based transit coating that provides environmentally safe corrosion protection for ferrous metals during storage and shipment.** Using a low VOC blend of inhibitors, emulsifiers, and surfactants, Safecote CLV protects metal surfaces by depositing a firm, waxy film coating. When dry, it leaves an amber wax film with excellent high humidity and salt spray protection properties. Effective, long-term protection for ferrous metals in covered outdoor storage.

Safecote CLV is intended for use as a final preservative coating on metal parts before going into storage and during shipment.

## Features



### **Proven Daubert Cromwell corrosion inhibitor chemistry**

- Metals protected: Steel, cast iron, and ferrous alloys.
- Hardens to a firm, water-resistant coating in 90 minutes.
- Low VOC
- OEM Approved
- Compatible with Daubert Cromwell corrosion inhibitor papers, films and emitters
- Available in 5-gallon pails, 55-gallon drums, and totes

## Typical Applications



### **Transport, export, storage of metal products where a non-flammable wax film is desired:**

- Engine blocks and large machinery
- Valves, gears, tool and dies, bushings, taps, chains
- Fabricated metal components and assemblies

**Surface Preparation and Application:** Make sure the metal surfaces to be protected are clean, dry and free of rust, oil and mill scale. Recommended metal substrate temperature is 50-95°F (10-35°C) at time of product application. Use as supplied, do not thin. Incorrect thinning will affect film build, dry time and product performance. Recommended ambient and product temperature is 50-95°F (10-35°C) at time of application. Can be brush, spray or dip applied. Do not freeze.

## Removal

Safecote® CLV



Safecote CLV can be removed with a solvent borne thinner, vapor degreasing, hot alkaline wash, or low-pressure steam. Remove from fabrics by normal dry cleaning procedures. Avoid the use of chlorinated or highly aromatic solvents when removing from painted surfaces.



## Physical Data

| Physical Properties                  | Typical Values   |
|--------------------------------------|--|
| Color                                | Cloudy White   |
| Application                          | Brush, Dip or Spray  |
| Coverage                             | 460-700 ft <sup>2</sup> /gal (11.3-17.2 m <sup>2</sup> /l)               |
| Removal                              | Industrial alkaline cleaners @ 170-200°F (77-93°C) or petroleum solvents |
| Film Type                            | Amber Colored Wax Film   |
| Specific Gravity @ 77°F (25°C)       | 1.03   |
| Weight per Gallon                    | 8.6 lbs (3.9 kg)   |
| Flash Point                          | Water-based, >200°F  |
| Percent Solids by Weight             | 44.7% ± 3  |
| Percent Solids by Volume             | 43% ± 3  |
| Viscosity (#2 EZ Zahn) @ 77°F (25°C) | 35-65 Seconds  |
| Film Thickness (mils)                | 1.0 to 1.5   |
| pH                                   | 8.0 to 9.0   |
| Freeze/Thaw Stability (5 cycles)     | No Change  |
| Resistance to Water                  | 90 minutes   |
| VOC (lbs/gal minus water)            | 0.67   |
| Protective Properties                |  |
| 5% Salt Spray (ASTM-B-117-64)        | 500 Hours (Min.)   |
| Humidity Cabinet (ASTM-D-1748)       | 2000 Hours (Min.)  |
| Outdoor Storage                      | 1-3 Months Uncovered, 1-2 Years Covered                                  |
| Indoor Storage                       | 2-3 Years Uncovered, 3-5 Years Covered or Packaged                       |

## Storage

Store at temperatures between 50-95°F (10-35°C). Mild agitation is recommended prior to use.

## Shelf Life

12 months from date of shipping, stored in the original shipping container used by Daubert Cromwell and not in high humidity and not at high temperatures, or stored outside. Store unused VCI liquid in a cool, dry place, away from direct sunlight. Storage outside these conditions voids this statement.

## Note

The addition of any product over or under this coating is not recommended. The use of additional coatings could result in chemical incompatibility, thus adversely affecting the performance of this coating. If a product other than Daubert Cromwell's recommended product is required, written authorization must be obtained from Daubert Cromwell.

**WARRANTY** The data, statements and recommendations in this product specification sheet are based on testing, research and other development work, which has been carefully conducted by us, and we believe such data, statements and recommendations will serve as reliable guidelines. Physical properties shown above represent typical values and are not intended for use in writing specifications. However, this product is subject to numerous uses under varying conditions over which we have no control, and accordingly, we do NOT warrant that this product is suitable for any particular use. Users are advised to test the product in advance to make certain it is suitable for their particular production conditions and use. All products manufactured by us are warranted to be first class material and free from

defects in material and workmanship. Liability under this warranty is limited to the net purchase price of any such products proven defective or, at our option, to the repair or replacement of said products upon their return to us transportation prepaid. All claims on defective products must be made in writing within 30 days after the receipt of such products in your plant and prior to further processing or combining with other material and products. We make no warranty, express or implied, as to the suitability of any of our products for any particular use, and we shall not be subject to liability from any damages resulting from their use in operations not under our direct control. This warranty is exclusive of all other warranties, express or implied, and no representative of ours or any other person is authorized to assume for us any other liability in connection with the sale of our products.