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**PRODUCT  
INFORMATION****SAFECOTE® 638-159****Description**

SAFECOTE® 638-159 is a carefully selected blend of inhibitors, emulsifiers, and surfactants, designed to deposit a soft, greasy film from a water emulsion system. SAFECOTE® 638-159 is available as a clear coating with each product exhibiting excellent high humidity and salt spray protection properties. SAFECOTE® 638-159 is intended for use in applying a

final preservative coating to production parts preparatory to storage or shipment. Suggested application uses for SAFECOTE® 638-159 are: engine blocks, valves, gears, tool and dies, bushings, taps, chains and numerous other metal products where a non-flammable product which deposits a firm, waxy film is desired.

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**Physical Properties**

Application

Coverage

Removal

Film Type

Specific Gravity @ 72°F

Pounds per Gallon

Flash Point (°F)

% Solids

Viscosity (#4 Ford Cup) @ 73°F

Film Thickness (mils)

pH

**Typical Values**

Dipping, spraying or flow coating

600-1000 sq ft/gal

Industrial alkaline cleaners @ 170-200°F or  
petroleum solvents

Soft, greasy film – amber or clear in color.

0.984

8.2

Non-Flammable

38-42%

30-50

1.0 to 1.5

8.0 to 9.0

**Protective Properties**

5% Salt Spray (ASTM-B-117-64)

Humidity Cabinet (ASTM-D-1748)

Outdoor Storage

Indoor Storage

150 Hours (Min.)

2000 Hours (Min.)

Uncovered, 1-3 Months

Covered, 1-2 Years

Uncovered, 2-3 Years

Covered or Packaged, 3-5 Years

## Surface Preparation

The maximum performance of SAFECOTE® 638-159 can be achieved only when the metal surfaces to be protected are clean, dry and free of rust, oil and mill scale. Daubert Chemical Company recommends that the metal substrate temperature be 50-95°F (10-35°C) at the time of product application.

## Application

SAFECOTE® 638-159 is formulated to be used as supplied. Ensure uniform consistency prior to use. Continued stirring is generally not required. If the product thickens due to cold storage or loss of solvent during use, contact Daubert Chemical Company. DO NOT THIN SAFECOTE® 638-159. Incorrect thinning will affect film build, dry time and product performance. Daubert Chemical Company recommends that the ambient and product temperature be 50 - 95°F (10 - 35°C) at time of application. SAFECOTE® 638-159 can be spray or dip applied. DO NOT FREEZE SAFECOTE® 638-159.

## Removal

SAFECOTE® 638-159 can be removed with a solvent borne thinner, vapor degreasing, hot

alkaline wash, or low-pressure steam. SAFECOTE® 638-159 can be removed from fabrics by normal dry cleaning procedures. Avoid the use of chlorinated or highly aromatic solvents when removing from painted surfaces, as these solvents may adversely affect paint.

## Storage

Store SAFECOTE® 638-159 at temperatures between 50-95°F (10-35°C). Mild agitation is recommended prior to use.

## 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 as stated in the lab data section. If a product other than Daubert Chemical Company's recommended product is required, written authorization must be obtained from Daubert Chemical Company.

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**CAUTION:** The data, statements and recommendations set forth in this product information 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. 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 particular use or uses.

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REFER TO MATERIAL SAFETY DATA SHEET FOR HEALTH AND SAFETY INFORMATION.

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CHEMICAL COMPANY, INC.

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