



# PRODUCT DATA SHEET



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## RUST PREVENTATIVE COATING

**Rust Preventative Coating**, commonly known as Bel-Ray RP-30, is a rust preventive compound that offers unsurpassed protection against rust and corrosion. It is estimated that 2% of all the steel produced annually is lost due to rust. The best method to guard against this costly and unwanted loss is the use of protective coatings. No better protective coating can be found than **Rust Preventative Coating**. This product will protect material from all kinds of contaminants and corrosion, fingerprints, heat, sunlight, bacteria, electricity, and, most importantly, water.

### *Applications*

- ◆ General purpose part or component protectant, anti-corrosive coating for outdoor storage and penetrating sealer for bolted or plated steel assemblies, etc.

### *Features and Benefits*

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|----------------------|--|
| ◆ Tenacious          | Tiny, highly polar platelets form an overlapping, continuous film which is impervious to moisture and vapors.                              |
| ◆ Water displacing   | Can be applied to wet surfaces, where it will push away moisture, leaving the desired film.  |
| ◆ High melting       | Parts coated with <b>Rust Preventative Coating</b> retain their protection when they are exposed to high temperature.                      |
| ◆ Permitted handling | Fingerprints will not develop after handling.  |
| ◆ Non-conductive     | Coatings of <b>Rust Preventative Coating</b> are effective electrical insulators. Therefore, it is highly resistant to galvanic corrosion. |
| ◆ Thermally stable   | Will not crack, peel, run off, or chip at temperature of -40 to 204°C (-40 to 400°F).  |
| ◆ Non-staining       | Will not stain the common metals or their alloys.  |
| ◆ Easily removed     | Can be removed with petroleum solvents.  |
| ◆ Easily applied     | Can be applied over a rusty surface, preventing further corrosion.   |
| ◆ Fire-resistant     | After drying, the film will not support combustion.  |

**Product No. 300918**

# RUST PREVENTATIVE COATING

## *General Description*

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**Rust Preventative Coating** is a transparent, dry-to-the-touch, waxy compound in an easy-to-use solvent system. It can be applied by dipping, spraying or painting, thereby making an attractive coating for mechanical parts or fully assembled equipment. A thin film of **Rust Preventative Coating** will fully protect the part from rust when stored in an adverse environment, and will afford protection from the effects of handling.

The wax-like coating of **Rust Preventative Coating** provides exceptional weather resistance. It clings to metal surfaces with exceptional tenacity. Moreover, it is quite soluble in petroleum solvents, which permits easy dilution to help control the resulting film thickness. Removal of **Rust Preventative Coating** is equally easy with petroleum solvents.

As with most rust preventive coatings, thicker films will give longer protection.

**Rust Preventative Coating** will keep steel bright, without staining, for substantial periods of time.

The following is an estimate of the protection which can be expected:

25 to 51  $\mu\text{m}$  (1 to 2 mil) will provide indoor protection for one to two years.

25 to 51  $\mu\text{m}$  (1 to 2 mil) will guard against fingerprint staining.

127 to 178  $\mu\text{m}$  (5 to 7 mil) will protect an uncovered surface for six to eight months outdoors.

127 to 178  $\mu\text{m}$  (5 to 7 mil) will provide one to two years protection outdoors under cover.

127 to 178  $\mu\text{m}$  (5 to 7 mil) will offer protection for two to three years exposure indoors.

In many instances, as little as 0.51 to 12.70  $\mu\text{m}$  (0.2 to 0.5 mil) coating will give all the protection needed, thus offering efficient, economical corrosion control for metal parts.

## *Product No. 300918*

# **RUST PREVENTATIVE COATING**

## **TYPICAL PROPERTIES**

|   |                            |
|---|----------------------------|
| <b><u>Product No.</u></b>   | <b><u>300918</u></b>       |
| <b><u>Old Product No.</u></b>   | <b><u>15600</u></b>        |
| Apparent Viscosity (Brookfield), ASTM D2196<br>@ 25°C (77°F), cP  | 221                        |
| Flash Point, ASTM D93<br>°C<br>(°F)   | 49<br>(120)                |
| Melting Point (dry film)<br>°C<br>(°F)  | >260<br>(>500)             |
| Corrosion Protection, Federal Test Method Standard No. 791C<br>Method 4001.3, 5% Salt-spray (fog) Test<br>Dry film thickness 12.70 µm (0.5 mil), hrs<br>Dry film thickness 51 µm (2 mil), hrs | 800<br>2000                |
| Method 5329.2, Humidity Cabinet Test<br>Dry film thickness 12.70 µm (0.5 mil), hrs<br>Dry film thickness 51 µm (2 mil), hrs   | 750<br>4000                |
| Recommended Solvents for Further Dilution   | Mineral Spirits<br>Naphtha |
| Color   | Tan                        |