

# MULTI-USE PRODUCT TECHNICAL DATA



# THE TRADE'S NO.1 MULTI-PURPOSE LUBRICANT

## PHYSICAL CHARACTERISTICS

- Appearance: Slightly cloudy
- Colour: Light amber
- Odour: Slight, characteristic odour
- Specific Gravity: 0.80 at 25°C
- Viscosity: (ASTM D445) 2.5 cSt at 40°C
- Flashpoint (minimum): 43°C closed cup
- Percent Non-volatile (minimum): 30% by weight
- Percent Volatile (maximum): 70% by weight aliphatic petroleum distillate
- Pour Point: Below -73°C
- Coverage: 14m<sup>2</sup> to 24m<sup>2</sup> per litre
- Boiling Point (initial): 149°C (minimum)
- Weight, applied coating: 1.7 x 10<sup>-3</sup> kg/m<sup>2</sup>
- Thickness: 0.0025mm to 0.0076mm

## CORROSION PROTECTION

Tested on freshly sanded mild steel panels:

EXPOSURE	RESULTS
Salt Spray	0% rust after 72 hours

Under actual conditions the duration obtained using WD-40 will vary with the type of material being protected and the conditions of exposure.

1. Covered or indoor storage – 1 year or longer
2. Protected exterior storage 6 months to 1 year
3. Normal exterior exposure 30 to 60 days
4. Severe exterior exposure 15 to 30 days (near beach, high humidity, salt spray and fog). If longer protection is required, WD-40 should be lightly reapplied when necessary.

## EFFECT ON MATERIALS

### GENERAL:

Nearly all materials react to WD-40 as they would to high grade aliphatic petroleum spirits with the same exposure, i.e., spray, quick dip or prolonged immersion. WD-40 contains no silicone, PTFE or chlorofluorocarbons.

### RUBBER:

No visible effects on surface of various types of rubber sprayed with WD-40. Certain types of rubber will swell upon prolonged immersion in WD-40.

### HIGH STRENGTH STEELS: (for hydrogen embrittlement)

Certified SAFE according to the Lawrence Hydrogen Effusion Test.

### FABRICS:

The following fabrics were exposed to WD-40 with no effect, expect slight staining which was readily removed with naphtha or dry cleaning solvent: Nylon, Orlon, Wool, Dacron, Cotton.

### PAINTED SURFACES:

Many types of paint on various surfaces have been exposed to WD-40 with no effect. Wax polishes and certain wax coatings may be softened by WD-40.

### PLASTICS:

The following plastics were immersed with WD-40 for 168 hours with no visible effects:

- Polyethylene • Delrin • VinylTeflon • Formica
  - Polypropylene • Polyester • Epoxy • Acrylic • Nylon
- Clear polycarbonate and polystyrene may stress craze or crack in contact with WD-40.



LUBRICATES

CLEANS

PROTECTS

PENETRATES

DISPLACES MOISTURE

WD-40 MULTI-USE PRODUCT, THERE'S ALWAYS ANOTHER USE.



