



TECHNICAL DATA SHEET

Silicone Spray H4000

Helmar H4000 Silicone is a polydimethylsiloxane polymer.

FEATURES & BENEFITS


- Ease of application
- Lubricates, Protects, Shines, Restores
- Food-grade silicone
- Non—staining
- Superior corrosion resistance
- Superior water & and saltwater resistance
- Superior low and high-temperature performance
- Withstands mild acid & and alkaline exposure
- Low friction
- Resistant to oxidation, chemicals and weather
- Prevents ice adhesion
- Repels ink & and water
- Enhances colour
- High spreadability and compatibility
- Low environmental hazard
- Low fire hazard
- Low reactivity and vapour pressure
- Essentially odourless, tasteless and non-toxic
- Soluble in a wide range of solvents.


COMPOSITION

Polydimethylsiloxane polymers

NFK Glazing
& Industrial Supplies


www.nfk.com.au

 28 Devlan Street,
Mansfield, QLD 4122

 07 3343 3377

 sales@nfk.com.au

 42 Tacoma Circuit,
Canning Vale, WA 6155

 08 9455 3866

 wasales@nfk.com.au

HOW TO USE

Helmar H4000 Silicone Fluid is highly soluble in organic solvents such as aliphatic and aromatic hydrocarbons. Helmar H4000 Silicone is insoluble in water and many organic products. A ratio of 5-10% Helmar H4000 Silicone oil to your chosen solvent is needed for applications to form a uniform film and effective barrier.

Do not spray or apply on any surface (which is to be walked on), as the surface will become slippery. To remove silicone overspray or excess from surfaces use a clean cloth and solvent.

APPLICATIONS

N.B. Always test first for your specific application.

Home: Curtain tracking, sliding draws, sliding windows, door tracking, squeaky hinges, garage door tracking, zippers, hand saw blades, circular saw blades, compound saw blades, pruners, hedger, shears & cutters, leather, plastic, rubber, swimming pool filter equipment (preserves & protects rubber o-rings). + Hundreds of other uses!

Sport: Fishing equipment (rods & reels), firearms, fishing equipment, leather footwear, ski equipment (bindings), treadmills, archery, sailing and boating equipment. + Hundreds of other uses!

Automotive: Door locks, hinges, stops moisture buildup in ignition systems, all rubber components, dashboards, trim, rubber mouldings, tyres, battery terminals, cables, window channels. + Hundreds of other uses!

Industrial: Sliding surfaces, conveyor belts, as a mould & and release agent, heat-sealing equipment, as a spatter guard, cutting knives, saw blades, needle points, fabric cutting table surfaces. + Hundreds of other uses!

FOOD GRADE

Helmar H4000 Silicone spray and concentrate meet the requirements of lubricants with incidental food contact.

Helmar H4000 Silicone may be safely used on machinery used for producing, manufacturing, packing, processing, preparing, treating, packaging, transporting, or holding food.

Where Helmar H4000 Silicone is used on food-processing equipment as a protective anti-rust film, as a release agent on gaskets or seals of tank closures, and as a lubricant for machine parts and equipment in locations in which there is exposure of the lubricated part to food. The amount used should be the minimum required to achieve the desired technical effect on the equipment, and any addition to food is not to exceed one part per million.

TYPICAL PROPERTIES

| Test | Unit | Helmar H4000 |
|---------------------------------------|-------------|---------------|
| Appearance | | Crystal clear |
| Specific Gravity at 25°C (77°F) | | 0.969 |
| Refractive Index at 25°C (77°F) | | 1.4034 |
| Color, APHA | | 5 |
| Viscosity | | 350 cSt |
| Flash Point, Open Cup | °C (°F) | >326 (>620) |
| Acid Number, BCP | | trace |
| Melt Point | °C (°F) 1,2 | -26 (-15) |
| Pour Point | °C (°F) | -50 (-58) |
| Volatile Content, at 150°C (302°F) | percent | 0.15 |
| Solubility Parameter | | 7.4 |
| Solubility in Typical Solvents | | |
| Chlorinated Solvents | | High |
| Aromatic Solvents | | High |
| Aliphatic Solvents | | High |
| Dry Alcohols | | High |
| Water | | Poor |