



Technical Information

DF 4500

Bonded Lubricant

Air drying anti friction solid film lubricant

Applications

- Anti wear and anti friction lubricant for gears, chains, pistons, disc clutches, valves, shafts, splines, joint bearings to prevent galling, seizure, sticking and binding.
- Permanent lifetime lubrication for minute components which can be lubricated only once such as pins, hinges, minute bearings, instruments, screw actuators, heavy engineering machinery parts.
- Aerospace and automotive parts for dry, oil /grease free lubrication to control seizure, wear and withstand high temperatures.
- For preventing seizure and galling of threaded connections, splines, bolts, nuts, couplings, keys, locknuts, disconnects.

Benefits

- Extremely wide service temperature range of -70°C to +450°C
- Low coefficient of friction
- High surface load and pressure withstanding capacity
- Protects surfaces from wear, galling and seizure
- Resists mineral oil
- Prevents stick-slip and fretting corrosion
- Provides clean dry film lubrication and does not accumulate dirt or abrasives
- Offers surface excellent protection from corrosion
- Lubricates under adverse operating environments
- Provides maintenance free permanent lubrication where oil or grease contamination cannot be tolerated
- Excellent lubricity and highly abrasion resistant
- Increases service life of equipment

Directions for Use (Bulk)

Use as supplied. Never dilute or mix with other oil or grease. Clean and degrease surface completely prior to application. Phosphating or sandblasting the metal surfaces will increase the adhesion of the film and increase service life. Stir ASV® DF 8800 thoroughly before applying by spraying, brushing or dipping methods. Recommended film thickness is 5 to 20 µm.

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Technical Properties

Type	Solid lubricants in organic binder, additives and solvents
Appearance	
- as supplied	Thin liquid
- on curing	Dry lubricating film
Color	Gray black
Odor	Mild solvent
Solvent type	Petroleum
Density, g/cc	0.9 - 1.05
Service temperature range, °C	-70 to +450 (dry film, solid lubrication)
Curing period	
- Air drying	Dries to touch in 5 minutes and complete cure in 30 minutes at room temperature
- Oven cure, minutes / °C	60 @ 120
Recommended film thickness, μm	5 to 20

Available Packaging

- 4 kg container

General

Use in well ventilated areas. Avoid continuous breathing of vapor and spray mist. In closed areas or areas with poor ventilation, use respiratory protection. For complete details on safety, short and long term exposure, refer to this product's safety data sheet (SDS).

Disposal

All used and unused product should be disposed of in accordance with state regulations.

Shelf Life

12 months from date of manufacture in sealed condition

Handling

Read instructions on the container label of the product before use. The product safety data sheet (SDS) contains the relevant information regarding personal protective equipment, safe use, physical and health hazards. Safety data sheet is available from ASV or your local ASV distributor.

Limited Warranty

The information and data contained in this sheet is accurate to the best of our knowledge or is obtained from sources, tests or experiences believed by us to be reliable and accurate. User is responsible for determining whether recommended ASV® product is fit for a particular purpose. All products should be tested for suitability on a particular application prior to actual use. We make no representations of any kind. Data offered without warranty.

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