
Synthetic Door-Closer Lubricant

LOTOS SAFE DSF

Fluidity in Low Temperature, Long Shelf Life,
Special Design for Door-Closer Application

Lotos safe DSF is a premium environmental friendly synthetic lubricant, designed to provide maximum safety for Door-Closer application.

Lotos safe DSF has a supreme lubricity, its anti-shearing capability able to prolong the product usage.

Lotos safe DSF inherited the fire resistant feature, able to provide maximum safety for use under pressure, near open flames or in high temperature areas.

Lotos safe DSF is a bio-stabile product, consistently in product performance.

Lotos safe DSF meets the local requirement of sanitary inspection and environmental protection organization. Product does not contain any hazardous material.

TYPICAL PHYSICAL PROPERTIES

Appearance	Clear Transparent Fluid
pH	9.7
Pour Point (°C)	-50
Viscosity, (mm ² /s))	
@ -18°C	912
@ 20°C	88
@ 40°C	40
Density (g/cm ³)	1.08
Flash Point	N/A
Fire Point	N/A
Alkalinity Buffer (AR)	141
Specific Heat (15.6°C, J/g·K)	0.72

Features & Benefits

- Great lubricity
- Fire Resistant Lubricant Fluid, pass the required test

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- Is corrosion inhibited, both in liquid and vapour phase
 - Environmental friendly, non-nitrate and biodegradable
 - Outstanding resistance to bacterial and fungal growth
 - Low pour point, good in low temperature start-ability
 - No pressure limitations. Pressures governed by the equipment in use.
 - Low foaming characteristics.
 - Compatible with the majority of elastomers found in today's hydraulic systems.

Application Guide

Use neat product, do not attempt to dilute or mix with other lube product. Before adding in **Lotos safe DSF**, ensure the Door-Close parts is clean.

Material Compatibility

The following table describes in general terms the compatibility of LOTOS SAFE DSF with a variety of materials and is intended as a useful guide.

Metals

Ferrous

Copper and Brass

Bronzes should have a maximum lead content of 20%

Anodised aluminium completely compatible: unanodised varies in performance

Tin and Nickel

Paints and Finishes

Epoxy and Phenolic

Vitreous Enamel

Plastics

Acrylic (includes Perspex)

Styrene

Epoxy

Phenolic

Silicone

P.V.C.

Nylon

Polypropylene

P.T.F.E.

Rubbers (Elastomers Seal Materials)

Natural

Neoprene

Nitrile

Butyl

Ethylene Propylene

Polyurethane

Silicone

Viton (Fluorocarbon Based)

Other Seal Materials

(including rubber impregnated)

Material Compatibility

*Seal material properties can vary within a classification depending upon compounding techniques. Compounding can enhance or diminish various properties and characteristics. In the case of Buna 'N' certain formulas will be more resistant to water than others. This can also be said for some of the urethanes.

Leather and cork are best avoided.



LOTOS CHEMICAL CO., LTD.
Add: 75 Westmoreland Avenue,
Welling, London, UK.

Consult your packing and seal
supplier for specific
recommendations.

Filter Media

Cellulose Phenolic Resin Treated
Metallic

SHIPPING INFORMATION

Lotos safe DSF is shipped in 55 (U.S.) gallon (208 liter) drums and in bulk.

STORAGE/HANDLING/DISPOSABILITY

No health or safety hazards exist when **Lotos safe DSF** is stored, used and disposed of in accordance with instructions given on the Material Safety Data Sheet for this product.

WARRANTY

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