



AGS COMPANY

P.O. Box 729

Muskegon, MI 49443

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SIL-GLYDE LUBRICATING COMPOUND

Description: SIL-GLYDE Lubricating Compound is a non-petroleum grease formulated with synthetic and natural oils, combined with an inorganic gelling agent and additives. As formulated, the product has a wide operating temperature range, high film strength and good compatibility with elastomers.

Application: SIL-GLYDE Lubricating Compound is designed for safe and effective lubrication of rubber, metal, wood, and glass. High film strength and compatibility with elastomers make product ideal for use as an assembly lubricant and in-service lubrication of rubber seals, O-rings, and boots. The lubrication of valves, cylinders, and other equipment requiring lubrication of rubber to metal or plastic are typical applications. Good water wash performance suggest use in irrigation systems and other applications requiring water wash resistance, compatibility with elastomers and high lubricity

Packaging: SIL-GLYDE Lubricating Compound is available in packages from 1.5-oz. squeeze tubes to 400-lb. drums. An aerosol package is also available. The aerosol package contains volatile solvents that may affect some plastics.

SG-18 one gallon

SG-2

SG-2H

SG-20

SG-4

SG-55

SG-8

SGB-2

SGT-20

SGT-55

Typical Test Results:

1. Film Strength: When tested on our Falex machine, product withstands jaw load of 1750-2000 lbs. when using test sets of specifications listed below.
2. Wear Test: When tested on our Falex machine with a constant jaw load of 800 lbs., the product holds up for 15 minutes, using test set of following specifications:

Test Pins

SAE 3135 Steel

Hardness Rb 87-91

Surface Finish - 10 RMS max.

Vee Blocks

AISI 1'137 Steel

Hardness Rc 20-24

Surface Finish - 10 RMS max.

Block Angle 96°

3. Stability Test: When tested in the Norma-Hoffman Oxygen Bomb for 200 hours at a temperature of 210°F. and 110 lbs. pressure, the drop in pressure is 10 lbs. maximum.
4. Effects on Rubber: When samples of butyl, buna and natural rubber are exposed to the

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Toll Free 800-253-0403 Toll Free in Michigan Canada 800-735-0403

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TECHNICAL SPECIFICATION

product for 72 hours at 158°F. as per ASTM-471D, the resultant increase in weight and volume is 10% maximum.

5. Effect on Car Finishes: Product has virtually no effect on standard car finishes.
6. Lowest Temperature Performance: When temperature of lubricant is lowered to -20°F. and tested with penetrometer, using standard brass cone, minimum penetration in 5 sec. is 2 mm.
7. Maximum Lubricating Temp.: (ASTM D2266). Using Shell 4 Ball Wear Test @ 1200 RPM:

	<u>Wear Spot</u>
12 KG load 1 hr. @ 400°F, avg. wear spot diameter	.59 mm
25 KG load 1hr. @ 400°F, avg. wear spot diameter	.85 mm
40 KG load 1 hr. @ following temperature gradients:	
300°F	.85 mm
350°F	1.03 mm
375°F	1.06 mm
400°F	1.35 mm

8. Practical Parting Action Test: Product satisfactorily passes the Parting Action Test at a temperature of -20°F.
9. Water Washout Test: Lubricant loss in one hour when tested under Federal Test Method 3252.1 is 1.0% maximum.
10. Corrosion Test: Product protects a sandblasted SAE 1020 steel test plate for a minimum of 150 hours in the standard Humidity Cabinet Test. (Federal Test Method # VV-L-79le Method 5312.)

Properties	Physical Form	White Grease (gel)
	Specific Gravity, 60/60°F (16/16°C)	1.11
	Density, lb/gal	9.26
	NLGI, grade	2
	Flash Point, base oils (C.O.C., °F)	>400
	Operating temperature, °F	>600

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