

Product Guide & Specifications



Lubchem

Specializing in Lubricants and Chemicals
for Industrial and Commercial Applications

Lubchem Overview

Lubchem began its journey in 1952 as a chemical manufacturing and blending company specializing in powdered chemicals, water treatment chemicals, and cleaning compounds.

In 1974, Lubchem expanded its operations to include a valve lubricants line after acquiring a waste stream from a major chemical company on the Houston Ship Channel. Lubchem capitalized on the versatile properties of the waste stream to formulate a superior hydrocarbon-resistant lubricant base oil.

Lubchem exploded into the global market with the introduction of wireline grease seal, pipeline cleaning compounds, arctic grade greases, and lubrication equipment. Lubchem now proudly serves customers in six continents.

As a leading manufacturer of valve lubricants and sealants, Lubchem is dedicated to continual improvement. Through research, development, and strict quality control, Lubchem maintains processes at the highest level of performance. By manufacturing its own base oils, Lubchem secures control of product consistency and quality. This commitment to high-quality and customer satisfaction is coupled with a commitment to sustainable production which reflects the environmental stewardship of both Lubchem and its customers.

ISO 9001:2015 Certified

Lubchem

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Fractastic 611

Frac Valve Lubricant/Sealant

Description:

Fractastic 611 is a high tack lubricant/sealant for use in frac valve applications. It is resistant to organic acids, dilute acids and caustics, friction reducers, polymers, hydrocarbons, and co-solvents commonly used in fracking operations. It is waterproof and has high metal adhesion.

Applications:

For use in frac valves and pressure control applications. DO NOT use in oxygen services

Features:

- Fully additive treated
- 100% Synthetic
- High metal adhesion
- Inhibited for acid services
- Biodegradable
- Insoluble in water

Physical Properties:

- Color Off White
- Temperature Range -20 to 400°F
- Consistency, Cone Penetration (D-217) 190 - 210
- Drop Point, °C None
- Thickener Inorganic

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FVL-OP196-CM Midseason

Frac Valve Lubricant

Description:

FVL-OP196-CM Midseason is highly resistant to water, acids, friction reducers, polymers, hydrocarbons and co-solvents commonly used in frac operations. FVL-OP196-CM Midseason is inhibited against acid corrosion.

Applications:

For use in frac valves and pressure control applications.

Features:

- Water insoluble and washout resistant
- Fully additive treated
- 100% synthetic
- High metal adhesion
- Excellent corrosion resistance
- Inhibited for H₂S and CO₂

Physical Properties:

- Color Cream color
- Temperature Range -20 to 450°F
- Consistency, Cone Penetration (D-217) 250 to 270
- Drop Point, °C None
- Thickener Inorganic

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Fractastic OS

Frac Valve Lubricant/Sealant

Description:

Fractastic OS is a high tack lubricant sealant for use in gate valves and plug valves in fracking applications. It is resistant to shear and washout from turbulence, flow improvers, breaker fluids, dilute acids and caustics. It is waterproof and has excellent resistance to oxidation and high metal adhesion. Fractastic OS should be used as a gate valve lubricant/sealant or as a plug valve lubricant/sealant. (Winter Grade available to -29 F)

Applications:

For use in frac valves and pressure control applications.

Features:

- Fully additive treated
- 100% synthetic
- High metal adhesion
- Inhibited for acid services
- Excellent in extreme pressure applications
- Biodegradable
- Insoluble in water

Physical Properties:

- Color Gray to black
- Temperature Range -15 to 400°F (Winter Grade to -29F)
- Consistency, Cone Penetration (D-217) 220 to 250
- Drop Point, °C None
- Thickener Inorganic

Product Guide & Specifications

Fractastic HV

Frac Valve Lubricant

Description:

Fractastic HV is high viscosity grease resistant to water, acids, friction reducers, polymers, hydrocarbons and co-solvents commonly used in fracking operations. Fractastic HV is inhibited against acid corrosion.

Applications:

For use in frac valves and pressure control applications.

Features:

- Water insoluble and washout resistant
- Fully additive treated
- 100% synthetic
- High metal adhesion
- Excellent corrosion resistance
- Inhibited for H₂S and CO₂

Physical Properties:

- Color Light Brown
- Temperature Range -20 to 450°F
- Consistency, Cone Penetration (D-217) 170 to 190
- Drop Point, °C None
- Thickener..... Inorganic

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Fractastic H2O & WG

Frac Valve Lubricant

Description:

Fractastic H2O is highly resistant to water, acids, friction reducers, polymers, hydrocarbons and co- solvents commonly used in fracking operations. Fractastic H2O is inhibited against acid corrosion. Available in winter grade to < -40 F (Fractastic WG).

Applications:

For use in frac valves and pressure control applications.

Features:

- Water insoluble and washout resistant
- Fully additive treated
- 100% synthetic
- High metal adhesion
- Excellent corrosion resistance
- Inhibited for H2S and CO2

Physical Properties:

- Color Light Brown
- Temperature Range -20 to 450°F
- Consistency, Cone Penetration (D-217) 215 to 230
- Drop Point, °C None
- Thickener..... Inorganic

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Fractastic 101 & 101B

Frac Valve Lubricant

Description:

An inorganic thickened frac valve lubricant that contains graphite and molybdenum disulfide combination to reduce friction during vigorous frac conditions and valve cycling. Fractastic 101B is tacky and exhibits high adhesion to metal surfaces and is insoluble in brine water, hydrochloric acid and other fracking fluids, including flow improvers.

Features:

- Non-Melting
- Contains Moly & Graphite
- Contains EP, anti-wear & corrosion inhibitor additives.
- Tacky, polymer fortified with high metal adhesion.
- Insoluble in brine water, hydrochloric acid, glycols & alcohols.
- Available in NLGI grades # 2, 1, 0, 00

Physical Properties:

- Color Gray to black
- Temperature Range -20 to 350°F
- Consistency, Cone Penetration (D-217)
 - ✓ Regular Grade (NLGI #2) 265-295
 - ✓ Winter Grade (NLGI #1) 300-340
- Drop Point, °F >450F
- Flash Point (F) 375F
- Thickener Inorganic

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196 Sealant – McEvoy

McEvoy Gate Valve Sealant

Description:

196 Special should be used in both reservoirs in McEvoy gate valves to insure sealing, dependability and easy operation. For sealing valves that handle gas and condensate, oils, butane, gasoline, ammonia, glycerin and sour gas. Use Lubchem 196 Sealant for leak-proof trouble-free service in McEvoy, WKM and other gate valves. Recommended temperature range 0°F to + 250°F.

Applications:

Designed specifically for McEvoy Gate Valves.

Features:

- 100% Synthetic
- Water resistant
- Fully additive treated
- High metal adhesion

Physical Properties:

- Color Brown
- Temperature Range -30 to 250°F
- Consistency, Cone Penetration (D-217) 190 to 220
- Drop Point, °C None
- Thickener Inorganic

Product Guide & Specifications

102 Special – WKM Type

Valve Lubricant / Sealant - WKM Type

Description:

102 Special Creamy is a fully synthetic biodegradable lubricant/sealant that is resistant to water and hydrocarbons. It is recommended for properly sealing WKM type gate valves handling water, gas and condensate, oil petroleum products such as gasoline, butane, hydrocarbon vapors, ammonia, glycerin, solvents and sour gas

Applications:

For use in WKM type gate valves.
General purpose Lubricant / Sealant.

Features:

- 100% Synthetic
- Water resistant
- Fully additive treated
- High medal adhesion

Physical Properties:

- Color Light Brown
- Temperature Range -20 to 400°F
- Consistency, Cone Penetration (D-217) 240 to 270
- Drop Point, °C None
- Thickener Inorganic

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Everlast 50-300

Valve Lubricant/Sealant

Description:

50-300 is resistant to water, organic acids, dilute caustic solutions and hydrocarbons such as gas, crude oil, jet fuel, lubricating oils and mixtures of these products. 50-300 is inhibited for use in H₂S and/or CO₂. Meets Mil-G-6032 "Grease Plug Valve, Gasoline & Oil Resistant."

Applications:

For use in plug, ball, and gate valves. Suitable for use in hydrocarbon services. DO NOT use in oxygen service

Features:

- Water insoluble and washout resistant
- Fully additive treated
- 100% synthetic
- High metal adhesion
- Excellent corrosion resistance
- Inhibited for H₂S and CO₂

Physical Properties:

- Color Dark Grey
- Temperature Range -50 to 350°F
- Consistency, Cone Penetration (D-217) 245 to 255
- Drop Point, °C None
- Thickener Inorganic

Product Guide & Specifications

Everlast 50-400

Valve Lubricant/Sealant

Description:

50-400 is resistant to water, organic acids, dilute caustic solutions and hydrocarbons such as gasoline, jet fuel, lubricating oils and mixtures of these products. 50-400 is inhibited for use in H₂S and/or CO₂. Meets Mil-G-6032 "Grease Plug Valve, Gasoline & Oil Resistant." Available in winter grade to < -40 F.

Applications:

For use in plug, ball, and gate valves. Suitable for use in hydrocarbon services. DO NOT use in oxygen service

Features:

- Water insoluble and washout resistant
- Fully additive treated
- 100% synthetic
- High metal adhesion
- Excellent corrosion resistance
- Inhibited for H₂S and CO₂

Physical Properties:

- Color Light Brown
- Temperature Range -20 to 450°F
- Consistency, Cone Penetration (D-217) 215 to 230
- Drop Point, °C None
- Thickener Inorganic

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Everlast 50-400M

Valve Lubricant/Sealant W/Moly

Description:

50-400M is resistant to water, organic acids, dilute caustic solutions and hydrocarbons such as gasoline, jet fuel, lubricating oils and mixtures of these products. 50-400M is inhibited for use in H₂S and/or CO₂. Meets Mil-G-6032 "Grease Plug Valve, Gasoline & Oil Resistant." Contains Moly for EP protection. Available in winter grade to < -40 F.

Applications:

For use in plug, ball, and gate valves. Suitable for use in hydrocarbon services. DO NOT use in oxygen service

Features:

- Water insoluble and washout resistant
- Fully additive treated
- 100% synthetic
- High metal adhesion
- Excellent corrosion resistance
- Inhibited for H₂S and CO₂

Physical Properties:

- Color Silver/ Grey
- Temperature Range -20 to 450°F
- Consistency, Cone Penetration (D-217) 175 to 205
- Drop Point, °C None
- Thickener Inorganic

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Everlast 50-500

H2S & CO2 Valve Lubricant/Sealant

Description:

50-500 is resistant to water, organic acids, dilute caustic solutions and hydrocarbons such as gasoline, jet fuel, lubricating oils and mixtures of these products. 50-500 is inhibited for use in H2S and CO2. Contains moly and graphite. Available in NLGI Grade 1, 2 & 3.

Applications:

For use in plug, ball and gate valves. Suitable for use in hydrocarbon gasses. DO NOT use in oxygen service.

Features:

- Meets Mil-G-6032 "Grease Plug Valve, Gasoline and Oil Resistant"
- Water insoluble and washout resistant
- Fully additive treated
- 100% synthetic
- High metal adhesion
- Excellent corrosion resistance
- Inhibited for H2S and CO2

Physical Properties:

- Color Dark grey to black
- Base Oil Synthetic
- Temperature Range -20 to 500°F
- Consistency, Cone Penetration (D-217)
 - ☐ NLGI 1 310-340
 - ☐ NLGI 2 265-295
 - ☐ NLGI 3 220-250
- Drop Point, °C None
- Thickener Inorganic

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Everlast 1

Hydrocarbon Resistant Valve Lubricant

Description:

Everlast 1 is a biodegradable synthetic lubricant for use in valves carrying aliphatic hydrocarbon liquids and gases including, kerosene, fuel oils, crude distillates; sweet or sour, water, condensate, dilute acids and caustics. It is waterproof and has excellent resistance to oxidation and high metal adhesion. Everlast 1 is approved by most major valve manufacturers.

Applications:

Everlast 1 should be used as a hydrocarbon resistant ball, plug and gate valve lubricant.
Not for use in oxygen service.

Features:

- 100% synthetic
- Water resistant
- Fully additive treated
- High metal adhesion
- Excellent corrosion resistance
- Inhibited for H₂S

Physical Properties:

- Color Amber
- Temperature Range -20 to 400°F
- Consistency, Cone Penetration (D-217) 200 to 230
- Drop Point, °C None
- Thickener..... Inorganic

Product Guide & Specifications

Everlast 1 Arctic Grade

Hydrocarbon Resistant Valve Lubricant

Description:

Everlast 1 is a biodegradable synthetic lubricant for use in valves carrying aliphatic hydrocarbon liquids and gases including, kerosene, fuel oils, crude distillates; sweet or sour, water, condensate, dilute acids and caustics. It is waterproof and has excellent resistance to oxidation and high metal adhesion. Everlast 1 is approved by most major valve manufacturers.

Applications:

Everlast 1 should be used as a hydrocarbon resistant plug, ball and gate valve lubricant.
Not for use in oxygen service.

Features:

- 100% synthetic
- Water resistant
- Fully additive treated
- High metal adhesion
- Excellent corrosion resistance
- Inhibited for H2S

Physical Properties:

- Color Amber
- Temperature Range -40 to 400°F
- Consistency, Cone Penetration (D-217), 230 to 280
- Drop Point, °C None
- Thickener Inorganic

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Everlast 3

High Temperature Valve Lubricant

Description:

Everlast 3 is a biodegradable synthetic lubricant resistant to hydrocarbon liquids and gases, including gasoline and kerosene, fuel and lubricating oils, natural gas and brine water. Everlast 3 is effective at intermittent temperatures to 550°F and is fortified with antirust, anti-wear, and corrosion inhibitors. The unique additive package in Everlast 3 bonds to metal surfaces reducing the damaging effects of corrosion and scale deposition on critical valve components.

Applications:

For use in plug, gate and ball valves Suitable for use in hydrocarbon gases DO NOT use in oxygen service.

Features:

- 100% synthetic
- Water resistant
- Fully additive treated
- High metal adhesion
- Excellent corrosion resistance
- Inhibited for H₂S

Physical Properties:

- Color White
- Temperature Range -10 to 550°F
- Consistency, Cone Penetration (D-217) 150 to 200
- Drop Point, °C None
- Thickener Inorganic

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Product Guide & Specifications

Everlast 3 Arctic Grade Low Temperature Valve Lubricant

Description:

Everlast 3 is a biodegradable synthetic lubricant resistant to hydrocarbon liquids and gases, including gasoline and kerosene, fuel and lubricating oils, natural gas and brine water. Everlast 3 is effective at intermittent temperatures to 550°F and is fortified with antirust, anti-wear, and corrosion inhibitors. The unique additive package in Everlast 3 bonds to metal surfaces reducing the damaging effects of corrosion and scale deposition on critical valve components.

Applications:

For use in plug, gate and ball valves Suitable for use in hydrocarbon gases DO NOT use in oxygen service

Features:

- 100% synthetic
- Water resistant
- Fully additive treated
- High metal adhesion
- Excellent corrosion resistance
- Inhibited for H₂S

Physical Properties:

- Color White
- Temperature Range -70 to 550°F
- Consistency, Cone Penetration (D-217) 230 to 250
- Drop Point, °C None
- Thickener Inorganic

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Everlast 3 Winter Grade

Low Temperature Valve Lubricant

Description:

Everlast 3 is a biodegradable synthetic lubricant resistant to hydrocarbon liquids and gases, including gasoline and kerosene, fuel and lubricating oils, natural gas and brine water. Everlast 3 is effective at intermittent temperatures to 550°F and is fortified with antirust, anti-wear, and corrosion inhibitors. The unique additive package in Everlast 3 bonds to metal surfaces reducing the damaging effects of corrosion and scale deposition on critical valve components.

Applications:

For use in plug, gate and ball valves Suitable for use in hydrocarbon gases DO NOT use in oxygen service.

Features:

- 100% synthetic
- Water resistant
- Fully additive treated
- High metal adhesion
- Excellent corrosion resistance
- Inhibited for H₂S

Physical Properties:

- Color White
- Temperature Range -40 to 550°F
- Consistency, Cone Penetration (D-217) 230 to 250
- Drop Point, °C None
- Thickener..... Inorganic

Product Guide & Specifications

Everlast 4

Hydrocarbon Resistant Lubricant Sealant

Description:

Heavy duty plug valve grease formulated for hydrocarbons including aromatics, dilute acids and caustic service. It is waterproof, has excellent resistance to oxidation and high metal adhesion.

Applications:

For use in plug, ball and gate valves. Suitable for use in hydrocarbon liquids and gases. Do NOT use in oxygen service.

Features:

- 100% synthetic
- Water resistant
- Fully additive treated
- High metal adhesion
- Excellent corrosion resistance
- Inhibited for H2S

Physical Properties:

- Color Brown
- Temperature Range -10 to 450°F
- Consistency, Cone Penetration (D-217) 150 to 200
- Drop Point, °C None
- Thickener..... Inorganic

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Everlast 4B

High Pressure Gate Valve Lubricant and Sealant

Description:

Everlast 4B is a high-performance lubricant for gate valves carrying natural gas, crude oil, condensate. Everlast 4B contains unique solid lubricant additives that prevent metal to metal contact under extreme conditions of pressure and temperature.

Applications:

Everlast 4B is a specialized lubricant for close tolerance valves and will provide outstanding lubricity and high adhesion to polished metal surfaces. This grease provides corrosion protection and is water-resistant.

Features:

- Fully additive
- 100 % synthetic
- High metal adhesion
- Inhibited for H₂S

Physical Properties:

- Color Black
- Temperature Range -20 to 400°F
- Consistency, Cone Penetration (D-217) 320 to 330
- Drop Point, °C None
- Thickener..... Inorganic

Product Guide & Specifications

Everlast 117

Extreme Pressure Valve Lubricant

Description:

Everlast 117 is an extreme pressure lubricant that provides outstanding lubricity and reduced operating torque. The additive package in this product provides excellent antioxidant, extreme pressure and anti-wear properties and should be used where extreme pressures prevail. Available in winter and arctic grades upon request.

Applications:

For use in gate valves, plug and ball valves. Suitable for use in hydrocarbon gasses, water, CO2 and H2S. DO NOT use in oxygen service.

Features:

- Excellent in extreme pressure applications (exceeding 30,000psi)
- Fully additive
- Insoluble in hydrocarbons
- Reduces operating torque up to 50%
- 100% synthetic
- High metal adhesion
- Inhibited for H2S and CO2

Physical Properties:

- Color Yellow
- Temperature Range -20 to 400°F
- Consistency, Cone Penetration (D-217) 320 to 330
- Drop Point, °C None
- Thickener..... Inorganic

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Everlast 146

Hydrocarbon Resistant

Description:

A synthetic lubricant formulated for enhanced hydrocarbon resistance. The synthetic polymer oils used in Everlast 146 make this an excellent all-purpose gate valve lubricant and sealant for the oilfield. For use in valves carrying LPG, LNG, aliphatic hydrocarbon liquids and gases including, kerosene, fuel oils, crude distillates; sweet or sour, water, condensate, dilute acids and caustics. It is waterproof and has excellent resistance to oxidation and high metal adhesion.

Applications:

For use in ball, plug, and gate valves
DO NOT use in oxygen service

Features:

- Excellent in extreme pressure applications (exceeding 30,000psi)
- Fully additive
- Insoluble in hydrocarbons
- Reduces operating torque up to 50%
- 100% synthetic
- High metal adhesion
- Inhibited for H₂S and CO₂

Physical Properties:

- Color Black
- Temperature Range -20 to 450°F
- Consistency, Cone Penetration (D-217) 205 to 215
- Drop Point, °C None
- Thickener..... Inorganic

Product Guide & Specifications

Everlast 167 Sealant

Everlast 167 sealant is a high temperature lubricant/sealant formulated with hydrocarbon synthetic polymers. It is recommended for high temperature water, steam, and hot oil/steam combinations. Everlast 167 is not intended for use in liquid light hydrocarbons, aromatic solvents, and nitrating acids.

Recommended Temperature Range

Bulk 20° to 650°F (-6.7° to 343°C)
Stick 50° to 650°F (10° to 343°C)

Physical Properties:

- Color Tan
- Consistency, Cone Penetration (D-217)..... 175-205
- NLGI Grade Stick, 6
- NLGI Grade Bulk, 3
- Drop Point >450°F
- Thickener Inorganic
- Flash Point, D 92 (COC) >240°C

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Everlast 960

Low Temp Hydrocarbon Valve Lubricant

Description:

Everlast 960 provides enhanced hydrocarbon resistance, low temperature pumpability and torque reduction. Inhibited for use in H₂S and CO₂ this grease offers superb internal valve protection and is pumpable in cold climates.

Applications:

For use in ball, plug and gate valves, CO₂ to < 40%

Features:

- Hydrocarbon resistant
- 100% synthetic
- Contains Moly
- High metal adhesion
- Non-Melting
- Water resistant
- Environmentally friendly

Physical Properties:

- Color Gray
- Temperature Range -40 to 350°F
- Consistency, Cone Penetration (D-217) 205 to 215
- Drop Point, °C None
- Thickener Inorganic

Product Guide & Specifications

Everlast 1000 (EVK)

High Temp Valve Lubricant/Anti-Seize

Description:

A water-resistant synthetic valve lubricant and anti-seize for use in extreme high temperature environments such as geothermal applications. Not recommended for hydrocarbon service.

Applications:

For use in extreme high temperature ball, plug and gate valves.

Features:

- 100% synthetic
- Converts to a solid film lubricant at elevated temperatures
- Water resistant

Physical Properties:

- Color Black
- Temperature Range -20 to 1000°F
- Consistency, Cone Penetration (D-217) 200 to 225
- Drop Point, °C None
- Thickener Inorganic

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Everlast 7030

Low Temperature Valve Lubricant

Description:

Everlast 7030 is a synthetic-based lubricant designed specifically for use in sub-zero winter climates where conventional sealants become stiff and too hard to pump. Unique additives provide excellent low-temperature pumping ability and lower operating torque in severe operating conditions. Everlast 7030 can be used year-round in all types of service. Formulated to remain insoluble in water, oil, all types of hydrocarbon services including natural gas, condensate, related by-products, crude oil and refined petroleum products.

Applications:

Use in ball, gate and plug valves. Recommended for use on above ground valves such as blowdown valves, pig launching and receiving valves and in refineries, wellheads, pump or compressor stations and in gas distribution systems. Suitable for use in Sour Service. DO NOT use in oxygen service.

Features:

- Insoluble in hydrocarbons
- Reduces operating torque
- 100% synthetic
- High metal adhesion
- Inhibited for H₂S and CO₂
- Excellent in extreme pressure applications
- Fully additive treated

Physical Properties:

- Color White
- Temperature Range -40 to 400°F
- Consistency, Cone Penetration (D-217)..... 210 to 290
- Drop Point, °C None
- Thickener Inorganic

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Everlast WR

Severe Corrosive Service

Description:

Lubricant for use in valves carrying CO₂, H₂S, Glycols, methanol, crude oil, produced waters, strong acids and natural gas where extreme temperature swings may occur. Everlast WR is highly chemical resistant and has a wide temperature range.

Applications:

A synthetic lubricant formulated with silicone oils for expanded temperature applications. For use on O-rings, valves, metal on plastic and metal on rubber parts, cables and switches. Not for bearings.

Features:

- 100% synthetic
- Water resistant
- Fully additive treated
- High metal adhesion
- Inhibited for H₂S and CO₂

Physical Properties:

- Color Clear
- Temperature Range -70 to 600°F
- Consistency, Cone Penetration (D-217) 185 to 230
- Drop Point, °C None
- Thickener Inorganic

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Everlast WRi Moly

Severe Corrosive Service

Description:

Everlast WRi is a lubricant/sealant resistant to glycols, methanol, crude oil, produced waters, strong acids and natural gas. Everlast WRi is highly chemical resistant, has a wide temperature range and is fortified with anti-rust, anti-wear, and corrosion inhibitors. The unique additive package in Everlast WRi bonds to metal surfaces reducing wear and the damaging effects of corrosion due to organic acid attack.

Applications:

A synthetic lubricant formulated with silicone oils for expanded temperature applications. For use on o-rings, valves, metal on plastic and metal on rubber parts, cables and switches. Not for bearings.

Features:

- 100% synthetic
- Water resistant
- Fully additive treated
- High metal adhesion
- Inhibited for H₂S and CO₂

Physical Properties:

- Color Light Gray
- Temperature Range -70 to 600°F
- Consistency, Cone Penetration (D-217) 185 to 230
- Drop Point, °C None
- Thickener Inorganic

Product Guide & Specifications

GVL-620

Gate Valve Lubricant / Sealant

Description:

GVL-620 is a fully synthetic biodegradable lubricant/sealant that is resistant to water and hydrocarbons. It is recommended for properly sealing gate valves handling water, gas and condensate, oil petroleum products such as gasoline, butane, hydrocarbon vapors, ammonia, glycerin, solvents and sour gas.

Applications:

For use in gate valves.
General purpose Lubricant / Sealant.

Features:

- 100% Synthetic
- Water resistant
- Fully additive treated
- High metal adhesion

Physical Properties:

- Color Light Brown
- Temperature Range -20 to 400°F
- Consistency, Cone Penetration (D-217) 240 to 270
- Drop Point, °C None
- Thickener Inorganic

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Formasil 2525

Low Temperature Valve Sealant

Description:

Formasil 2525 utilizes the same base formula as Everlast 7030 with added PTFE particles to improve the sealing characteristics.

Formasil 2525 reduces torque and provides reliable sealing in leak passages up to 0.035 inches (900 microns). Formulated to remain insoluble in water, oil, all types of hydrocarbon services including natural gas, condensate, related by-products, crude oil and refined petroleum products. Excellent low temperature pumpability.

Applications:

Use in ball, gate and plug valves. Recommended for use on above ground valves such as blow-down valves, pig launching and receiving valves and in refineries, wellheads, pump or compressor stations and in gas distribution systems. Suitable for use in Sour Service. DO NOT use in oxygen service.

Features:

- Insoluble in hydrocarbons
- Reduces operating torque
- 100% synthetic
- High metal adhesion
- Inhibited for H₂S and CO₂
- Excellent in extreme pressure applications
- Biodegradable
- Fully additive treated

Physical Properties:

- Color White
- Temperature Range -40 to 400°F
- Consistency, Cone Penetration (D-217) 210 to 290
- Drop Point, °C None
- Thickener Inorganic

Product Guide & Specifications

Formasil CO2

Valve Sealant

Description:

Formasil CO2 is a dual-purpose valve lubricant/sealant that meets Mil-G-6032 "Grease Plug Valve, Gasoline & Oil Resistant". Formasil CO2 is designed for use in gate valves as a lubricant/ sealant and in ball and plug valves as a sealant. Formasil CO2 is resistant to acids, caustic solutions and is inhibited for use in H2S and/or CO2. This product has excellent dual resistance to water and petroleum products such as gasoline, jet fuel, lubricating oils and mixtures of these products. Formasil CO2 can be used in a wide variety of applications from the wellhead to product pipelines.

Applications:

For use in plug, gate and ball valves. Suitable for use in hydrocarbon gases. DO NOT use in oxygen service.

Features:

- Meets Mil-G-6032 "Grease Plug Valve, Gasoline and Oil Resistant"
- Water insoluble and washout resistant
- 100 % synthetic
- Inhibited for H2S and CO2

Physical Properties:

- Temperature Range -20 to 400° F
- Consistency, Cone Penetration (D-217) 170 - 200

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Formasil RS

Valve Sealant

Description:

Synthetic sealant for use in valves carrying natural gas, crude oil; sweet or sour, and water. It is waterproof and has excellent resistance to oxidation and high metal adhesion. Formasil RS should be used as an emergency sealant in ball and gate valves or as a plug valve lubricant sealant.

Applications:

Use in ball, gate and plug valves. Recommended for use on above ground valves such as blow-down valves, pig launching and receiving valves and in refineries, wellheads, pump or compressor stations and in gas distribution systems. Suitable for use in Sour Service. DO NOT use in oxygen service.

Features:

- Insoluble in hydrocarbons
- Reduces operating torque
- 100% synthetic
- High metal adhesion
- Inhibited for H₂S and CO₂
- Excellent in extreme pressure applications
- Biodegradable
- Fully additive treated

Physical Properties:

- Color Gray
- Temperature Range -30 to 400°F
- Penetration, 25°C, wkd, 60 strokes 210 to 240
- Drop Point, °C None
- Thickener Inorganic

Product Guide & Specifications

Formasil RS Arctic Grade

Valve Sealant

Description:

Synthetic sealant for use in valves carrying natural gas, crude oil; sweet or sour, and water. It is waterproof and has excellent resistance to oxidation and high metal adhesion. Formasil RS should be used as an emergency sealant in ball and gate valves or as a plug valve lubricant sealant.

Applications:

Use in ball, gate and plug valves. Recommended for use on above ground valves such as blow-down valves, pig launching and receiving valves and in refineries, wellheads, pump or compressor stations and in gas distribution systems. Suitable for use in Sour Service. DO NOT use in oxygen service.

Features:

- Insoluble in hydrocarbons
- Reduces operating torque
- 100% synthetic
- High metal adhesion
- Inhibited for H₂S and CO₂
- Excellent in extreme pressure applications
- Biodegradable
- Fully additive treated

Physical Properties:

- Color Gray
- Temperature Range -30 to 400°F
- Penetration, 25°C, wkd, 60 strokes 210 to 240
- Drop Point, °C None
- Thickener Inorganic

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Formasil WR

Valve Sealant

Description:

Sealant for use in valves carrying CO₂, H₂S, methanol, crude oil, produced waters, strong acids, and natural gas where extreme temperature swings may occur. Formasil WR is highly chemical resistant, has a wide temperature range and is fortified with antirust, antiwear, and corrosion inhibitors.

Applications:

Valves in Arctic Climates. For use in plug, gate and ball valves. Suitable for use in hydrocarbon gases. DO NOT use in oxygen service.

Features:

- 100% synthetic
- Water resistant
- High metal adhesion
- Excellent corrosion resistance
- Inhibited for H₂S

Physical Properties:

- Temperature Range -55 to 450° F

Product Guide & Specifications

Rheoseal HZ

Valve Sealant

Description:

Rheoseal-HZ is a specialized rheopectic hydrocarbon insoluble emergency valve sealant. Rheoseal-HZ is a heavy duty emergency sealant containing proprietary polymers to provide a tight seal. Once injected, Rheoseal-HZ rheopectic nature allows it to travel easily to the leak area and forms an "elastomer-like" seal which does not harden or impede proper operation while providing excellent lubrication.

Applications:

Use in ball, gate and plug valves.

Features:

- Insoluble in hydrocarbons
- Reduces operating torque
- 100% synthetic
- High metal adhesion
- Inhibited for H₂S and CO₂
- Excellent in extreme pressure applications
- Biodegradable
- Fully additive treated

Physical Properties:

- Color Gray
- Temperature Range 0 to 450°F
- Consistency, Cone Penetration (D-217) 250 to 270
- Drop Point, °C None
- Thickener Inorganic

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Valve Saver

Valve Cleaner

Description:

Valve Saver is a combination valve cleaner and penetrating lubricant engineered to free up and clean out difficult or impossible to operate lubricated valves. Lubchem's Valve Saver penetrates and cleans residual gum, lacquer, hardened sealants and lubricants. Valve Saver also removes rust and corrosion extending the life and performance of all types of lubricated valves. When used regularly it will prevent additional build up.

Applications:

Apply Lubchem Valve Saver with conventional lubricating equipment. Turn valve slowly and repeat the process until valve opens freely. After the valve is operable, lubricate with one of Lubchem's high quality valve lubricants.

Features:

- Compatible with all valve lubricants
- Cuts residual gum and lacquer deposits left by valve lubricants
- Removes rust and corrosion
- Eliminates costly shut down and valve removal
- Do not use in oxygen service

Physical Properties:

- Color Black
- Temperature Range -65 to 550°F
- Consistency, Cone Penetration (D-217) 280 to 350
- Drop Point, °C None
- Thickener Inorganic

Product Guide & Specifications

Valve Saver AW

Valve Cleaner/Lubricant

Description:

Valve Saver AW is designed to lubricate and clean deposits common to valves in pipeline operations. Valve Saver AW is a premium quality non-melting base grease blended with a dispersant / surfactant. This unique compound will lubricate the valves internal components and, at the same time, emulsify a variety of organic and organo-metallic compounds common to pipeline operations.

Applications:

Apply Lubchem Valve Saver with conventional lubricating equipment. Turn valve slowly and repeat the process until valve opens freely. After the valve is operable, lubricate with one of Lubchem's high quality valve lubricants.

Features:

- Compatible with all valve lubricants
- Cuts residual gum and lacquer deposits left by valve lubricants
- Removes rust and corrosion
- Eliminates costly shut down and valve removal
- Do not use in oxygen service

Physical Properties:

- Color Black
- Temperature Range -65 to 550°F
- Consistency, Cone Penetration (D-217) 280 to 350
- Drop Point, °C None
- Thickener Inorganic

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LVF Honey Oil

Penetrating Oil for hard to operate lubricated valves.

Description:

Honey Oil is a penetrating oil for hard to turn valves. Use Honey Oil to loosen deposits of dried sealants and flush out foreign debris in pipeline plug and ball valves.

Applications:

For use in pipeline ball, plug & gate valves

Features:

- Compatible with all valve lubricants
- Cuts residual gum and lacquer deposits left by valve lubricants
- Removes rust and corrosion
- Eliminates costly shut down and valve removal
- Do not use in oxygen service

Physical Properties:

- Color Amber
- Temperature Range -40 to 300 °F
- Physical Form Liquid
- Drop Point, °C None
- Thickener..... N/A

Product Guide & Specifications

TFE Seal

Aramid Fiber/TFE Packing

Description:

TFE Seal 60AF is a versatile blend of synthetic base oils and synthetic fibers and fillers. The oil resistant base fluids provide a very low coefficient of expansion from -80F to 500F. The solid synthetic fibers and fillers provide a sure seal and are inert to most oil & gas services. Product code TS60AF

Packaging Options:

- J size Sticks 1-3/8" x 8-1/2" 16 per box
- G size sticks 5/8" x 3-1/2" 14 per box
- 10 lb. Pail
- 40 lb. pail

Applications:

TFE Seal 60AF is recommended for use in hydrocarbons, steam, water, sour gas and sour crude. It is pumpable with a high-pressure lubrication hand gun. Ribbons and coils available upon request.

Features:

- Contains PTFE and Aramid Fibers
- 100% synthetic
- Water resistant
- Fully additive treated
- High metal adhesion
- Excellent corrosion resistance
- Inhibited for H2S
- Ribbons and coils available upon request

Physical Properties:

- Color Beige, grainy
- Temperature Range -80 to 500°F
- Consistency, Cone Penetration (D-217) 30 to 60
- Drop Point, °C None
- Thickener Inorganic
- Base Oil Pour Point -40°F (-40°C)
- Base Oil Synthetic
- Base Oil Viscosity 60,000 cSt at 25°C
- Specific Gravity 1.4
- Density (lb/gal) 11.9

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TFE Seal 60 A

Aramid Fiber/TFE Packing

Description:

TFE Seal 60AF is a versatile blend of synthetic base oils and synthetic fibers and fillers. The oil resistant base fluids provide a very low coefficient of expansion from -80F to 500F. The solid synthetic fibers and fillers provide a sure seal and are inert to most oil & gas services. Product code TS60AF

Packaging Options:

J size Sticks 1-3/8" x 8-1/2" 16 per box
G size sticks 5/8" x 3-1/2" 14 per box
10 lb. Pail
40 lb. pail

Applications:

TFE Seal 60AF is recommended for use in hydrocarbons, steam, water, sour gas and sour crude. It is pumpable with a high-pressure lubrication hand gun. Ribbons and coils available upon request.

Features:

- Contains PTFE and Aramid Fibers
- 100% synthetic
- Water resistant
- Fully additive treated
- High metal adhesion
- Excellent corrosion resistance
- Inhibited for H₂S
- Ribbons and coils available upon request

Physical Properties:

- Color Beige, grainy
- Temperature Range -80 to 500°F
- Consistency, Cone Penetration (D-217) 30 to 60
- Drop Point, °C None
- Thickener Inorganic
- Base Oil Pour Point -40°F (-40°C)
- Base Oil Synthetic
- Base Oil Viscosity 60,000 cSt at 25°C
- Specific Gravity 1.4
- Density (lb/gal) 11.9

Product Guide & Specifications

Longlife JL-410S Open Gear Grease

Jack Leg Grease

Description:

JL-410 is a heavy duty, non-melting marine grade grease for use on jack-up legs, spud barges and open gears in marine environments. This grease contains rust inhibitors to prevent corrosion in harsh marine environments and graphite/molybdenum disulfide, to provide high load carrying capacity. JL-410 is heavier than water and will not cause a sheen if spillage occurs. Not recommended for bearings.

Physical Properties:

- Color Black
- Temperature Range -45 to 350°F
- Consistency, Cone Penetration (D-217) 265 to 295
- Drop Point, °C None
- Thickener Inorganic

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Longlife 111

Multi-Purpose Valve Lubricant

Description:

Longlife 111 is designed for use in valves under arctic conditions (to -75 F). Longlife 111 is extremely resistant to hydrogen sulfide and will not mix with water, preventing freeze-up in the valve. Because it provides good metal protection and is particularly water resistant, it is the recommended lubricant for frac valves.

Applications:

Longlife 111 can be used in the presence of diesel fuel, gas and well condensate, hydrogen sulfide, CO₂, sour crude and standard crude. Recommended for frac valves.

Features:

- Insoluble in hydrocarbons
- Reduces operating torque up to 50%
- 100 % synthetic
- High metal adhesion
- Inhibited for H₂S and CO₂
- Fully additive treated

Physical Properties:

- Color Black, smooth
- Temperature Range -75 to 350°F
- Consistency, Cone Penetration (D-217) 320 to 330
- Drop Point, °C None
- Thickener Inorganic

Product Guide & Specifications

Longlife 1600 Arctic Grade

Arctic Grade Multi-Purpose Lubricant

Description:

Longlife 1600 Arctic is a low temperature multipurpose water-resistant grease that will provide low torque operation in very cold operating environments. It contains a proprietary anti-galling additive and corrosion inhibitor designed to protect seat rings, springs and sealing surfaces from the corrosive effects of oil and gas production and processing.

Applications:

For use in ball and gate valves in low temperature environments. Suitable for use in hydrocarbon gasses. DO NOT use in oxygen service.

Features:

- Outstanding low temperature performance
- Water insoluble and washout resistant
- Fully additive treated
- Non-melting multipurpose grease
- Superior protection to lubricate a wide variety of heavy-duty equipment
- Low Staining

Physical Properties:

- Color Gray
- Temperature Range -75 to 350°F
- Consistency, Cone Penetration (D-217) 260 to 330
- Drop Point, °C None
- Thickener Inorganic

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Longlife 1600

Multi-Purpose Lubricant

Description:

Longlife 1600 is non-melting, water resistant, fully additive treated with corrosion inhibitors, extreme pressure additives and oxidation inhibitor additives. It is an excellent choice where water resistance and a light valve grease is recommended.

Applications:

Use on swivel joints, pumps and flanges. Suitable for use in hydrocarbon gasses.
DO NOT use in oxygen service.

Features:

- Outstanding performance
- Water insoluble and washout resistant
- Fully additive treated
- Non-melting multipurpose grease
- Superior protection to lubricate a wide variety of heavy-duty equipment
- Low Staining

Physical Properties:

- Color Tan
- Temperature Range -35 to 350°F
- Consistency, Cone Penetration (D-217) 265 to 295
- Drop Point, °C None
- Thickener Inorganic

Product Guide & Specifications

Longlife 1603

Multi-Purpose Valve Lubricant

Description:

Longlife 1603 is designed for use in gate valves where body fillers are required to displace water and other contaminants. Longlife 1603 contains corrosion inhibitors for H₂S and CO₂, extreme pressure and anti-wear additives for high pressure sliding applications and is non-melting. Longlife 1603 is an excellent corrosion inhibiting grease and should be used in applications requiring frequent re-greasing due to contaminating environments. This product is water insoluble, washout resistant and fully additive treated. It is an excellent choice where an economical high-performance valve grease is recommended.

Applications:

For use in ball valves & gate valves as a body filler. Protects seat rings and springs. Suitable for use in water and clean natural gas services. DO NOT use in oxygen service.

Features:

- Water resistant
- Fully additive treated
- Non-melting
- High temperature grease

Physical Properties:

- Color Gray
- Temperature Range -40 to 350°F
- Consistency, Cone Penetration (D-217) 260 to 310
- Drop Point, °C None
- Thickener Inorganic

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Longlife SRL-50

Sucker Rod Lubricant

Description:

SRL-50 is a high temperature, aluminum complex EP grease with excellent low temperature properties for use in frac valve bonnets and bearings and sucker rod connections under severe operating conditions of high cyclic loading. Provides excellent resistance to oxidation at elevated temperatures with exceptional performance under extreme low temperature conditions.

Applications:

Clean the connection prior to make up. Apply a thin coat of SRL-50 to the thread. CAUTION: Do not lubricate the pin shoulder face or the coupling shoulder face or a loss of tightness can occur resulting in a connection failure.

Features:

- Water insoluble and washout resistant
- Fully additive treated

Physical Properties:

- Color Red
- Temperature Range -65 to 350°F
- Consistency, Cone Penetration (D-217) 265 to 295
- Drop Point, °C None
- Thickener..... Inorganic

Product Guide & Specifications

Longlife Gear Oil

Multipurpose Gear Oil

Description:

Longlife Gear Oil is a multipurpose premium industrial gear oil. Longlife Gear Oil provides high film strength and load carrying capacity. Gear teeth are protected from wear, surface distress and premature failure.

Applications:

Recommended for the following requirements:

- GM LS-2 Specification LR for EP gear oils
- U.S. Steel 224/ German Steel SEB 181226
- CM P35, P59, P63, P74, P77& P78
- Textron Power Transmission 2E, 3E, 4E, 5E, 6E & 7E (1.8 wt.%)
- ANSI/AGMA 9005-E02
- DIN 51517 Part 1, 2, and 3
- ISO 12925-1 Category CKD
- Type CLP HC, L-CKC
- Joy Machinery TO-SHEP & TO-SMEP

Recommended for all industrial enclosed gearing and wherever an AGMA extreme pressure lubricant is required. Longlife Gear Oil meets many specifications not listed above. If your requirement is not listed, contact your Lubchem, Inc. representative to verify if Longlife Gear Oil will meet your performance needs.

Features:

- Thermally stable - Minimal degradation, Long service life
- High film strength - Exceptional EP performance protects against premature failure
- Advanced water separation -Excellent antifoam and demulsibility characteristics
- Rust and corrosion inhibited -Non-corrosive to yellow metals

Physical Properties:

- Color Dark Amber
- Temperature Range -40 to 480°F (Depending on Grade)
- Viscosities ISO 150, 220, 460, 680
- Drop Point, °C N/A
- Thickener N/A

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Ultra-Ashless Hydraulic Fluid

Ashless Hydraulic Fluid (32, 46, 68, 100)

Description:

Lubchem Ultra HFA hydraulic fluids are environmentally acceptable ashless hydraulic oils designed to provide superior oxidation stability, anti-wear & rust preventive properties. Lubchem Ultra HFA meets and exceeds the performance requirements of all major pump manufacturers

Specifications

- Denison HF-0
- Cincinnati Machine P-68, P-69, P-70
- U.S. Steel 127, 136
- AFNOR NFE 48-603
- GM LS-2
- Sauer-Sundstrand
- Meets DIN 51524 Part II

Physical Properties:

- Color Amber
- Temperature Range - 40 to 280°F (Depending on Grade)
- ISO Grades 32, 46, 68 and 100
- Viscosity Index, D2270 145
- Pour Point (°F), D97 -49 ISO 32

Product Guide & Specifications

Lubchem 2000

Heavy Duty Degreaser

Description:

Lubchem 2000 is a surface active, high PH alkaline cleaner that will emulsify heavy grease soils found in industrial maintenance operations. This product can be used on concrete, stainless steel, ceramic, iron, and steel.

Dilution

Use 1-part 2000 to 25 parts water for heavy cleaning. Can be diluted to 1-part 2000 to 32 parts water for general maintenance.

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Grease Eraser

Biodegradable Solvent Degreaser

Description:

Grease Eraser easily removes synthetic valve grease, wireline grease, vegetable oils, cutting oils & lubricants. This unique detergent system quickly cuts through grease and heavy soil to allow them to be easily rinsed or wiped away. Grease Eraser will quickly dissolve heavy grease, oil, fat and grime from any hard surface. For use on all non-ferrous & ferrous metals, plastics and will not damage painted surfaces. Grease Eraser is completely biodegradable, non-toxic, non-flammable, non-hazardous and non-caustic.

Properties:

- Type – Bio solvent Degreaser
- Form – Clear Liquid
- Odor – Pine
- Color – Clear liquid
- Weight per Gallon – 6.8 Lbs
- pH Concentrate – n/a
- Foam Height – low
- Actives – 100%
- Solids – n/a
- Flash Point – 170 F

Application:

Remove excess grease with spatula or towels. Apply Grease Eraser with a sprayer, sponge, stiff brush or other method. Let soak for 2-3 minutes, agitate with a brush then wipe away with a clean cloth or high-pressure rinse.

Product Guide & Specifications

Blue Magic

Powerful High Foaming Soap

Description:

A powerful high foaming soap formulated to remove road film, bug residue and heavy soils from vehicle surfaces. This is a versatile product for use as a prep soap on the front line or in high pressure wand applications. This product will provide good foam levels and excellent brush lubrication.

Features:

- VOC Compliant
- NPE Free
- Water Based
- Phosphate Free
- Biodegradable
- Concentrated

Dilution: 1:250

Color: Blue

Scent: Mild

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Cleans All Pro

Highly Concentrated D-limonene based Cleaner

Description:

Cleans All Pro is a highly concentrated d-limonene based cleaner formulated with synthetic detergents, butyl and alkaline builders. It is a medium foamer, is nonflammable and contains no toxic solvents. When diluted properly Cleans All Pro is ideal for cleaning fender wells, grills, engine compartments, chassis, whitewall tires and interior surfaces.

Features:

- VOC Compliant
- NPE Free
- Water Based
- Citrus Fragrance
- Phosphate Free
- Biodegradable
- Concentrated
- Non-flammable

Directions for use:

Engine, Tires, Fender Wells, Grill Work etc:

1. Mix 1 part product to 5 parts water.
2. Spray on surface and allow one minute to penetrate the soil
3. Rinse with high pressure.

Interior Rubber, Plastic & Vinyl surfaces:

1. Mix 1 part product to 10 parts water.
2. Spray on sponge, towel, brush or applicator pad.
3. Wipe on surface and scrub lightly.
4. Dry with a clean towel.

Upholstery & Carpeting:

1. Mix 1 part product to 15 parts water..
2. Apply with sprayer, soft brush or towel without saturating fabric and scrub lightly.
3. Remove excess with extractor or with clean dry towel.

Product Guide & Specifications





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