



Aerolube Technologies



Technical Data Sheet

3001 Super Penetrant

Low Viscosity, Light Weight, Low Surface Tension, Penetrating Oil

Product Description

Stanvac 3001 Super Penetrant is a fast acting, low viscosity, industrial strength deep penetrating lubricant designed to quickly loosen rusted or frozen components. Its unique formulation of ultra low surface tension ingredients enables it to bust through rust, gum, corrosion and penetrate hard to reach areas to displace moisture and remove grease, oil and other light contaminants. It rapidly travels to the minutest cracks and penetrates to free rusted parts, joints, threaded connections or frozen mechanical components to enable non-destructive and fast disassembly. 360° spray valve enables the product to be sprayed in any position-even inverted. Stanvac 3001 Super Penetrant does not contain any chlorinated solvents, CFCs or ozone depleting chemicals.

Applications

Recommended for loosening all nuts, bolts, bearings, fasteners, screws, hinges, joints, rusted and frozen parts.

Benefits

Most available penetrants contain an acid. Stanvac 3001 Super Penetrant does not contain any acids or similar ingredients and is formulated from ultra low viscosity, pure aliphatic bases and is free of messy ingredients to clean up. Stanvac 3001 Super Penetrant saves valuable time, labor and costs thereof by easing the disassembly of equipment and is an indispensable tool in an aerosol can in terms of turning around and reducing maintenance and downtime periods. Its super penetrating formula outperforms competition in penetration and speed.

Directions for Use (Bulk)

Apply liberally by brushing or by dipping the components into the fluid. Allow formula to penetrate and free rusted parts. Tap extremely frozen components intermittently while spraying for greater allowance. Period for penetration may vary depending upon the length of time the product has been rusted for. Loosen severely corroded components with the help of a wrench.

Directions for Use (Aerosol)

Spray liberally with the help of the attached extension tube on the frozen or rusted components. Allow formula to penetrate and free rusted parts. Tap extremely frozen components intermittently while spraying for greater allowance. Period for penetration may vary depending upon the length of time the product has been rusted for. Loosen severely corroded components with the help of a wrench.

Caution Contains flammable propellant & solvents. Do not spray near naked flame, hot surfaces or energized equipment. Use with adequate ventilation.

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).

Available Packaging

500 ml Aerosol Spray

Shelf Life

24 months from date of manufacture in sealed condition.

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3001 Super Penetrant

Property	Value Aerosol	Value Bulk
Type	Ultra low viscosity, light weight, penetrating oil	Ultra low viscosity, light weight penetrating oil
Base	Highly refined paraffinic oil, special petroleum distillates, additives	Highly refined paraffinic oil, special petroleum distillates, additives
Appearance	Thin liquid	Thin liquid
Film Type	Thin, non-drying	Thin, non-drying
Operating Temperature Range	43°C	43°C
Color	Dark amber	Dark amber
Specific Gravity @ 20°C	0.71-0.73	0.80-0.85 gm/cc
Flash Point -Solvent	-18°C (aerosol)	43°C
Boiling Point	NA	NA
Pour Point	NA	NA
Evaporation Rate (Ref. nBA =1)	Faster than n-butyl acetate	Faster than n-butyl acetate
Vapor Pressure (Ref. air =1)	>air	>air
Spreadability Test	Excellent	Excellent
Capillary Penetration Test (movement between 2 surfaces)	Excellent	Excellent
Nail Climb Penetration Test (movement against gravity)	Excellent	Excellent
Effect on Enamel	Does not affect (MIL-C-23411)	Does not affect (MIL-C-23411)
Water Displacement Test	Passes (MIL-C-23411)	Passes (MIL-C-23411)
Safety Norms	Does not contain any human carcinogenic ingredients	Does not contain any human carcinogenic ingredients
Solubility	Nil in water	Nil in water
Propellant	Hydrocarbon	NA

* of active ingredients

Disposal

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

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 Aerolube or your local Aerolube 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 Stanvac 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. Product manufactured is for industrial use only.

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