

JMN SPECIALTIES, INC.

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PRODUCT BULLETIN

MIL-L-87132

Type III Grade C

Can be customer diluted to meet MIL-L-87132 Grade A or B

Can be provided pre-diluted to A or B specification

General Description

MIL-L-87132 is a Cetyl Alcohol, water based lubricant for fasteners that meets requirements of Mil-L-87132 Type III Grade C. **MIL-L-87132** is used as an installation lubricant on mechanical fasteners such as pins, bolts, nuts, washers and threaded or non-threaded fastening devices. **MIL-L-87132** is formulated with Cetyl Alcohol which is a nontoxic, nonirritating, and otherwise innocuous material.

Application

Make sure parts are clean prior to applying **MIL-L-87132**. Gently and slowly mix material avoiding air bubble formation. For best results, apply between 75 – 100 degrees Fahrenheit. Material may be used at ambient temperatures or heated up to no more than 130°F. For best results, apply at ambient temperature. Above approximately 125 to 130 degrees Fahrenheit there is a significant reduction in viscosity and slow stirring is required to reform a good stable emulsion as the Cetyl Alcohol can fall out of solution at these temperatures. Dip parts completely into the lubricant. Remove slowly and shake off extra material if necessary. Air dry or force dry at up to 100°F. Do not handle parts until completely dry. Parts may exhibit a white or frosty appearance which is normal. For thinner coating, heat material to reduce viscosity or dilute with deionized water.

Dilution

Use as is (recommended) for Grade C (For heavy lubrication, interference fit fasteners, internally threaded parts), or dilute 1:1 with DI Water for Grade B (pins, bolts, externally threads), or dilute 2:1 with DI Water for Grade A (collars, nuts, washers). For best results, heat material to 130°F, add required deionized water and stir slowly while cooling. Shelf Life: 1 year stored in sealed container at < 90°F. Store in closed container. Do not allow to freeze. Store between 32°F and 100°F.

Physical Properties

Color	Opaque White Fluid
Odor	Bland
Specific Gravity	1.01 – 1.03
Freeze Point	32° F

Availability

MIL-L-87132 is available in UN approved 5 gallon pails, 55 gallon drums and bulk quantities.

Handling

Observe warning label on containers. Normal precautions for industrial chemicals apply.