

TECHNICAL DATA

2013

Description

FreeAll is a deep penetrating oil used for releasing corroded threaded connections of ferrous metal. It is superior to widely advertised products in its ability to loosen nuts, bolts, and pipe connections by penetrating and loosening rust and corrosion. FreeAll is silicone free.

Type

Three ingredients: petroleum solvent, anti-corrosive ingredient and fine lubricating penetrating oil

Typical Uses

To loosen rusted or seized metal parts.

Substrates

All patina forming metals

Directions

Liberally coat the parts to be loosened.
Allow a few minutes for penetration. If needed re-apply.

Packaging

1 ounce, 6 ounce, and 12 ounce aerosol cans (by weight);
1 pint, 1 gallon cans and 55 gallon drums.

Safety

Flammable

Shelf Life

One year in original containers, when stored at room temperature at or below 80°F (27°C)

Color

Clear

Odor

Strong sweet aromatic

Clean Up

Hand cleaner or other mild solvent

CAUTION:

Because of the nature of its active ingredients, Free All must be used only in areas having adequate air ventilation and it should never be used near an open flame or high temperature surfaces.

For Chemical Emergency, Spill, Leak,
Fire, Exposure or Accident Call:

CHEMTREC - Day or Night. 1-800-424-9300

KEEP OUT OF THE REACH OF CHILDREN

Product Data Sheet

Characteristics:

FLASH POINT:

66°F (19°C) (closed cup method)

FREEZING POINT:

16°F to 20°F (-9°C to -7°C)

SPECIFIC GRAVITY:

.867 +/- .05

MAX STORAGE TEMP:

120°F (49°C)

PROPELLANT:

Carbon Dioxide

BREAKAWAY TORQUE:

BOLT SIZE:

1/2" (SAE 1035)

ASSEMBLY TORQUE:

40 ft. lbs.

TEST CONDITIONS:

150 hr. Salt Spray

RESULTS:

Disassembly Torque

NO PENETRATING OIL:

92 ft. lbs.

FREE ALL PENETRATING OIL:

66 ft. lbs.

The information presented is in good faith, but no warranty is given, nor are results guaranteed. Federal Process has no control over physical conditions surrounding application conditions. Federal Process disclaims any liability for untoward results.



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