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Technical Data Sheet

Permatex[®] B Force[™] Multi-Purpose Lubricant

AAM Revised 02/08

PRODUCT DESCRIPTION

Permatex[®] B Force[™] Multi-Purpose Lubricant is a specially formulated, bio-renewable, biodegradable lubricant that can also be used as a lubricant, protectant and penetrating oil. Being formulated from a 100% renewable feedstock base it is safe for use both indoors and out. B Force[™] Multi-Purpose Lubricants patented composition of base fluids and additives provide a protective thin film lubricant. The natural oily film outperforms petroleum base oils in terms of natural lubricity and additives boost its penetration, lubrication and corrosion protection properties.

PRODUCT BENEFITS

- Lubricates
- Protects
- Penetrates
- Eliminates moisture
- Frees rusted, frozen assemblies
- Bio-renewable, bio-degradable, non-toxic

TYPICAL APPLICATIONS

- Lubricates non-load bearing assemblies
- Protects parts and assemblies from corrosion
- Penetrates mechanical mechanisms
- Eliminates moisture from spark plugs, ignition wires, etc.
- Frees frozen threaded or bearing assemblies
- Useful on tools, locks, shafts, cables, wire ropes, hinges, air valves, bolts, chains, firearms, air tools.

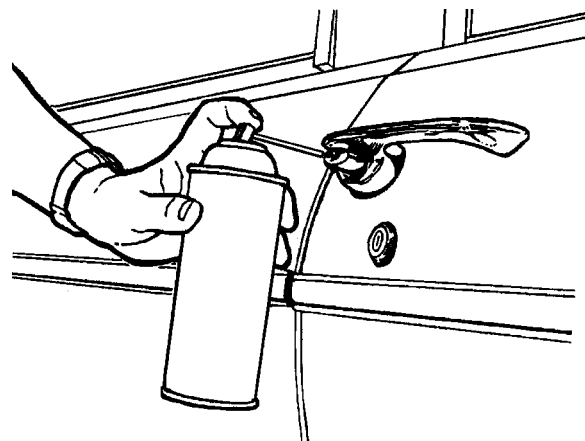
DIRECTIONS FOR USE

FOR AEROSOL

1. Provide adequate ventilation.
2. Shake can thoroughly before use. Note: There is no ball agitator inside the can. For best results, aerosol can should be at room temperature before spraying.
3. Spray a light coating on designated area. For corrosion protection, do not wipe off. For use as penetrating oil, apply directly to rusted, frozen or stubborn parts and allow to soak in. Tap bolt stem and apply again. Parts will release. For more stubborn problems, repeat.

FOR DROPPER BOTTLE

1. Make sure areas to be lubricated are clean and dry.
2. Apply to designated area.
3. For corrosion protection, do not wipe off.
4. For use as penetrating oil, apply several drops to frozen, rusted, stubborn joints and allow to soak in.
5. Tap bolt stem and apply several more drops. Parts will release.
6. For more stubborn problems, repeat.



FOR CLEANUP

1. Clean hands with Permatex[®] brand hand cleaners.

PROPERTIES OF MATERIAL

	Typical Value
Chemical Type	Bio-renewable base oil
Appearance	Clear yellow liquid
Odor	Mild
Specific Gravity (60°F)	0.88
Flash Point	>200°F
NFPA 704 Flammability Rating	1
Pour Point (Rotational) °F (°C)	-22 (-30)
Four Ball Wear (ASTM D-2266) mm	0.50

GENERAL INFORMATION

This product is not recommended for use in pure oxygen and/or oxygen rich systems and should not be selected as a lubricant for chlorine or other strong oxidizing materials.

For safe handling information on this product, consult the Material Safety Data Sheet, (MSDS).

ORDERING INFORMATION

Part Number	Container Size
80049	2.0 oz dropper bottle
80059	8.0 oz aerosol can

STORAGE

Products shall be ideally stored in a cool, dry location in unopened containers at a temperature between 8° and 28°C (46° and 82°F) unless otherwise labeled. Optimal storage is at the lower half of this temperature range.

NOT FOR PRODUCT SPECIFICATIONS.
THE TECHNICAL DATA CONTAINED HEREIN ARE INTENDED AS REFERENCE ONLY.
PLEASE CONTACT PERMATEX, INC., TECHNICAL SERVICE DEPARTMENT FOR ASSISTANCE AND RECOMMENDATIONS FOR YOUR SPECIFIC APPLICATION.
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NOTE

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