Technical Data Sheet

Open and Shut Penetrating Oil

TDS

DRUMMOND™ A LAWSON BRAND

Overview

Open and Shut is a high-performance penetrating oil, non-flammable per ASTM D-3065-1 flame extension test, that cleans, lubricates, protects and displaces water. There is no better penetrating oil on the market today for working in damp, dirty, greasy conditions, or near ignition sources. Open and Shut penetrates easily through water, rust and grime to provide lubrication to loosen nuts and bolts.

Features/Benefits

- Frees rusty nuts, bolts and fittings
- Available in three sizes: 8 oz. and 20 oz. aerosol cans and in a liquid bulk container
- Lubricates – keeps parts running smoothly and quietly
- Protects against rust and further corrosion
- Reduces metal friction and wear
- Aerosol and bulk both USDA and CFIA approved
- Non-Flammable per ASTM D 3065-1 Flame Extension Test

Applications

- Nuts and bolts
- Fittings
- Pipe joints
- Flanges
- Machinery linkages
- Landscaping tools and machinery
- Shop tools
- Hinges
- Chains
- Wheels
- Automotive and exhaust bolts
- Vehicle lug nuts
- Vehicle metal bolts and fasteners
- Cables
- Rusted locks
- Railroad

Method of Application

- Aerosol

Identification

- Aerosol: 8 Oz. and 20 Oz. Cans

Sizes

- Aerosol: 8 Fl. Oz. Can Size; 8 Oz. (226g) Net Wt.
- Aerosol: 20 Fl. Oz. Can Size; 20 Oz. (567g) Net Wt.

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Directions for Use

Aerosols

1. Spray parts liberally.
2. Repeat application if necessary.

Liquid

1. Apply with an appropriate metal solvent-resistant portable spray pump, tank sprayer, air siphon sprayer, or solvent trigger sprayer.
2. Repeat application if necessary.

Technical Specifications

Aerosol

- Form: Aerosol
- Spray-Out: Forceful stream
- Color: Amber
- Odor: Chlorinated solvent/petroleum oil
- Water Solubility: negligible
- Specific Gravity (Concentrate): 1.39
- Flash Point (PMCC): >200°F (93°C)
- Evaporation Rate: <1 (n-butyl acetate = 1)
- Reportable VOC Content: None
- VOC Content: 0.0% by weight
- Shelf Life: Minimum one year
- HMIS (Aerosol): H: 2 F: 2 R:0