



# KB-88

## The Ultimate Penetrant



### FEATURES

- Formulated to attack and quickly release rusted and corroded nuts, bolts, hinges, and other frozen components
- High KB solvency value of 151 and low surface tension
- Penetrates faster and deeper than most other similar products in the market place
- Displaces moisture
- Aggressive formula
- VOC compliant in all 50 states
- NSF® Certified: H2 Registration #138554 (Aerosol); #138553 (Bulk)

### APPLICATIONS

- Frozen nuts & bolts
- Chains
- Corroded fasteners
- Equipment disassembly
- Hinges
- Plumbing fixtures
- Shafts
- Conveyors
- Frozen gears & cogs
- Bearings
- Screws
- Pulleys

### SPECIFICATIONS AND APPROVALS

- A-A-50493 Class B Type I & II
- NSF® Certified: H2 Registration #138554 (Aerosol); #138553 (Bulk)

#### IS (IDENTIFICATION SYSTEM)



### AVAILABLE PRODUCTS

Part No.		Net Contents	Container	Case Pack	Case Wt.
US	Canada				
02316	C02316	13 wt. oz./369 g/417 mL	Aerosol	12	13 lbs.
02322	C02322	20 fl. oz. (591 mL)	Trigger	12	18 lbs.
02301	C02301	1 gal. (3.78 L)	Bottle	4	35 lbs.
02305	C02305	5 gal. (18.93 L)	Pail	1	40 lbs.

### PROPERTIES

Appearance/physical state	liquid (dispensed) / gas
Odor	hydrocarbon-like
Melting point/freezing point	N/A
Boiling point/range	N/A
Vapor pressure	>1
Partition coefficient	N/A
Percent volatile	92%
Flammability limit	0.6% - 11.7%
Propellant	CO2
Color	Clear red
VOC Content	Aerosol: 24% (209 g/L) per U.S. State and Federal Consumer Product Regulations, 783 g/L per SCAQMD Rule 102 Bulk: 25% (219 g/L) per U.S. State and Federal Consumer Product Regulations, 805 g/L per SCAQMD Rule 102
Flash point	159.8°F (71.0°C) Tag Closed Cup
Relative density	N/A
Evaporation rate	< 0.1 BuAc
Vapor density	>1
Auto-ignition temperature	> 420°F (> 215.56°C)
Viscosity	Low viscosity comparable to water (water = 1cST @ 20°C)
Specific Gravity (water=1)	0.88 @23°C
Temperature Range °F(°C)	-55°F (-48°C) to 300°F (149°C) for the dispensed liquid
4-Ball Weld Load	N/A
Dielectric strength	31.5 kV
Surface tension tension	25.5 dynes/cm

### DIRECTIONS

Spray on frozen parts and let soak for several minutes. Use the attached extension tube for pinpoint application. Tap highly corroded parts after spraying for deeper penetration.

### HANDLING

Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. Avoid breathing gas. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated contact with skin. Avoid prolonged exposure. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Observe good industrial hygiene practices. Bulk liquid: DO NOT handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Do not smoke. All equipment used when handling the product must be grounded. Avoid contact with eyes. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid prolonged or repeated contact with skin. Wear personal protective equipment. Use only in well-ventilated areas.

### STORAGE

Store locked up. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122°F. Do not puncture, incinerate or crush. Keep away from heat and sources of ignition. Store in original tightly closed container. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS). Keep out of the reach of children.

### DISPOSAL INFORMATION

See section 13 of the SDS



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