



H & B Industries, INC
Dallas, Texas
(214) 350-1984

H & B Supply, INC.
Temple, Texas
(254) 985-2525

TECHNICAL DATA SHEET

HB-40

MECHANICS FRIEND

Non-Flammable Penetrant

DESCRIPTION:

- USDA approved nonflammable, high dielectric, aerosol penetrant and moisture remover
- Can be used on all automotive, marine, farm, electrical and mechanical equipment
- Lubricates, cleans, penetrates and stops corrosion on all metals
- Displaces moisture, eliminates squeaks and binds
- Reduces maintenance time
- Film never hardens, is harmless to rubber, plastics and painted surfaces and is low in toxicity
- Also meets the provisions of Mil Spec Mii-C-2341 t for use as a rust preventative lubricant

ADVANTAGES:

- Penetrates — allows deep penetration to remote parts
- Lubricates — low coefficient of friction gives lubricity to metal-to-metal parts, Stops squeaks
- Helps remove rust — makes existing rust and corrosion easy to remove
- Inhibits corrosion — ultra-thin greaseless film protects metal parts and surfaces from attack by rust or corrosion
- Displaces moisture — gets under moisture, driving it to the surface where it evaporates
- Cleans — detergent action loosens dirt, scale, corrosion, gummy deposits
- Seals — seals by reducing friction and making tighter joints possible
- Resists moisture — lubricates under wet or steamy condition--will not 'wash out'
- Temperature stable — works at extremes of temperature

AREAS OF USE:

- Loosens and lubricates: nuts, bolts, mufflers, manifolds, heat risers, control cables, brake adjusters, U-bolts, linkages, tie rod connections, locks and latches, electric switches, front end adjustments, engine head bolts aerals, electric motor rotors and commutators
- Stops squeaks and binding: door and panel hinges, brake pedal hinges, hooks, toys and bicycles, sewing machines, storm windows, electrical appliances, brake pedal pivots, rubber bushings, throttle controls, carburetor linkage, brake assembly, speedometer cables, hinges, motors, sump pumps, power tools, mowers, garden tools, hobby and workshop equipment
- Stops and prevents corrosion: battery terminals, chrome trim tools, fishing reels, firearms and all metals. Removes moisture: distributors, ignition wires, starter motors, spark plugs and generator alternator

GENERAL DESCRIPTION: Solvent Base Aerosol

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PROPERTIES:

Form	Aerosol
Odor	Light
Color	Amber
Toxicity	Low
Wetting Ability	Excellent
Detergency	Low
Foaming	Low
Biodegradability	N/A
Emulsification	N/A
Phosphates	None
Storage Stability	1 yr.
Cold Stability	32° F
Corrosion Factor	Non-corrosive
Flash Point	175° F T.O.C.
Boiling Point	374° F
Vapor Pressure (mmHg)	183
Vapor Density (Air=1)	3.7
Solubility in Water	Not Soluble
Specific Gravity (H2O=1)	N/A
% Volatile by Volume	89%
Evaporation Rate (B..Acet=1)	N/A
pH	N/A
Free Acid	None
Wt. per Gallon	N/A

SAFETY:

Label use directions should be followed carefully. OSHA Material Safety Data Sheet available

USAGE:

- To start wet engines--remove distributor cap--spray entire electrical system lightly
- To loosen rusted parts, apply liberally and allow to run off
- To protect metals, spray light, even film
- If necessary, repeat application

CAUTION:

- DANGER: Harmful or fatal if swallowed.
- Do not puncture, incinerate or store above 120° F. Exposure to high temperature may cause bursting
- Do not place in direct sunlight or near other heat source
- Use with adequate ventilation
- Avoid breathing spray mist
- Get fresh air if required
- If swallowed, do not induce vomiting, Call physician immediately
- Contains petroleum distillates
- Keep out of reach of children

AUTHORIZATION: USDA H2. Also meets the provisions of Mil Spec Mil-C-23411.