

KROIL® Original Penetrating Oil



KROIL Original Penetrant is a fast-acting, industrial-strength penetrating oil that breaks free rust, corrosion, and stuck parts. Use for everyday maintenance as well at the toughest jobs.

- Safe on all metals
- Designed for high-performance use in tough environments
- Proven KROIL Performance

Applications

Vehicles & Engines	Industrial & Manufacturing
Heavy Machinery & Equipment	Assembly & Maintenance
Mechanical components	Plumbing & Piping
Marine & Outdoor Use	General Use & Tools

Directions

Apply KROIL Penetrant as close to the joint as possible. Wait a minute before loosening. Depending on the size and condition of the parts, it may be necessary to repeat the process. Review SDS prior to use.

Handling and Storage

Avoid breathing vapors, aerosols and mists. Use with adequate ventilation. Avoid contact with the eyes, skin and clothing. Wash exposed skin thoroughly with soap and water after use. Keep product away open flames and other sources of ignition. Do not cut, braze, solder, grind or weld empty containers. Aerosols are under pressure. Do not puncture, crush or incinerate containers, even when empty. Do not reuse containers. Keep out of reach of children. Store in a cool, dry, well-ventilated location away from oxidizing agents and other incompatible materials. Keep containers closed. Follow all SDS precautions in handling empty containers.

Disposal

Dispose of product in accordance with all local, state/provincial and federal regulations.

Properties

Appearance	Slightly reddish
Odor	Solvent
Flash Point:	132°F (55.5°C) aerosol 132°F (55.5°C) liquid; estimated
Flammability (Solid, Gas):	Not applicable
Pour Point:	-30°F (-34°C)
Vapor Pressure:	<0.05 mmHg @ 20°C aerosol <0.10 mmHg @ 20°C liquid
Relative Density:	~0.8596
pH:	Not applicable
Boiling Point/Range:	213-232 °C aerosol 222-247 °C liquid
Flammability Limits:	UEL: 10.9%, LEL: 0.6% aerosol UEL: 10.9%, LEL: 0.6% liquid
Vapor Density:	5.9 aerosol, 4.5 liquid
Solubilities:	Negligible in Water
Autoignition Temperature:	>448°F (231°C) aerosol >428°F (220°C) liquid
VOC	<1%, 50 US State Compliant

Base Fluid Properties

ISO Grade	32
API Gravity	23.9
Viscosity, Kinematic cSt at 40°C cSt at 100°C	29.5 4.37
Viscosity, Saybolt cSt at 100°F cSt at 210°F	154 41
Flash Point °C (°F)	168 (334)
Dielectric Strength kV ^a (ASTM D877 ^b)	>30
Sealed Tube Stability % R-22, 14 Days	0.30

PART	NET CONTENTS	CONTAINER TYPE	ITEM UPC	UNITS/CASE
KS032	3oz	Aerosol	850034483443	12
KS102	10oz	Aerosol	857236004018	12
KS132	13oz	Aerosol	857236004025	12
KS162	16.5oz	Aerosol	857236004032	12
KL081	8oz	Can	857236004087	24
KL011	1 gal	Can	857236004124	1
KL051	5 gal	Pail	857236004100	1
KL551	55 gal	Drum	857236004186	1