

Product Data Sheet

No. **31072** - 05/23

FAULT-FINDER® PENETRANT

PRODUCT NUMBERS: 1072 8.5-OZ. NET WT. AEROSOL

I. GENERAL DESCRIPTION

Description: Fault-Finder Penetrant contains no chlorine or sulfur bearing solvents. Group 1 was developed specifically for testing materials where halogenated safety solvents are not permitted.

Benefits: Conforms to MIL-I-25135. Meets residual chlorine and sulfur requirements of NAVSHIPS 250-1500 and MIL STD 271 (sec. 5.3.1). Provides a portable and accurate inspection system. It's use is very versatile and simple to use and affords immediate results.

Uses: Use on metals, glass and plastic 20 minutes before applying developer.

Application: Pre-clean parts or surface with #1071 Cleaner. Apply a heavy wet film and let soak. Wipe clean and repeat as necessary. Dry thoroughly before using Penetrant. Spray #1072 Penetrant on area and allow to soak, up to 20 minutes. Remove while still damp. Wet a cloth with # 1071 Cleaner and wipe surface to remove surface Penetrant. Excess Penetrant may distort test indications. Shake #1073 Developer thoroughly until agitator ball rattle. Apply Developer holding can 8" to 12" from surface. **Developer may be applied immediately after excess Penetrant has been removed, but not longer than 10 minutes prior to visual inspection.** Cracks, pores, and faults will now be outlined in RED. Invert can and spray momentarily to clean spray head.

Limitations: Please refer to the Safety Data Sheets for specific information on material hazards, etc.

Packaging:

Aerosol:	Cans (12 oz.)	8.5 oz. net wt. (241g)	10.1 fl. oz. (299 ml)
	Case - 12 cans/case	11 lbs. (5kg)	0.18 CF (0.005CM)

II. CHARACTERISTICS & PROPERTIES

Specifications:

MIL-I-25135, NAVSHIPS 250-1500, MIL STD 271 .

Appearance:

Non foaming liquid

Color:

Red

Odor:

Aromatic Hydrocarbon

Dry Schedule:

Not applicable

Performance and Chemical Properties:**Aerosol**

Weight per gallon	6.4 lbs
Specific gravity	0.766
Viscosity in centipoise	Not applicable
Flammability: Label marking	Flammable
Flash point.....	<0 °F (-18°C)
Active ingredients by weight.....	11%
Volatile Organic Compound level.....	89%
Operating temperature range.....	40° to 110°F (5° to 43°C)
Boiling point @ 760mm Hg	Not applicable
Evaporation rate (Butyl Acetate = 1)	<1
KB value.....	Not applicable
Dielectric strength (ASTM D877)	Not applicable
Surface tension	Not applicable
Food contact rating	Not applicable

Base Materials: Proprietary

Propellant System: Hydrocarbon

III. SHIPPING, STORAGE AND HEALTH

UN number.....	UN1950
Proper Shipping Description	Aerosols
Hazard Class.....	2.1
Packing Group	N/A
Limited Quantity	Yes
Warehouse storage level number	NFPA 30B Level 3
Storage temperature	32° to 120°F (0° to 49°C)
Shelf life	1 to 3 years

HMIS ratings

Health.....	2
Fire	4
Reactivity.....	1

IV. MISCELLANEOUS

Contains no Ozone Depleting Substances (O.D.S.)

V. WARRANTY

1-year performance warranty on all products from date of purchase. Report to home office or local Aerovee representative for examination. Because Seller cannot control Buyer's handling or use of product, Seller makes no warranty expressed or implied when not used or stored in accordance with directions. Seller shall not be liable for cost of labor, incidental or consequential damages, and this warranty is limited to replacement of product or credit of purchase.