

GENERAL USE



Penmul L460 is an emulsifiable solvent degreaser specifically formulated to meet the highest performance standards set by industry and the government where the use of a nonchlorinated, noncaustic solvent is preferred or specified. Presently being used for engine cleanup by a number of major oil companies.

Penmul L460 is recommended for use on component engine parts such as pistons, cylinder heads and engine blocks, as well as oil pans, rocker arm covers, cam baffles and other greasy metal parts. It is also recommended for cleaning generating turbine oil pumps.

FEATURES AND BENEFITS

- Excellent solvency
- Rapid soil penetration
- Passes: Ford 5E Sludge Test and Buick 3E Hardware Test
- High flash point
- Contains no chlorinated solvents
- Safe on all metals
- Brightens copper and copper alloys
- Leaves no residue after rinsing

DIRECTIONS FOR USE

Use procedure

For best cleaning results, **Penmul L460** is used concentrated at room temperature. An overnight soak, followed by a water rinse and air drying is all that's required. Mild agitation and heating will accelerate the cleaning action.

Note

Ford 5E Sludge Test - is equivalent to stop and go driving.
Buick 3E Hardware Test - is equivalent to long distancedriving, pulling a trailer up hill.

PENMUL L460

ENGINE DEGREASER COMPONENT

PHYSICAL PROPERTIES

Appearance	Clear amber liquid
Odor	Mild solvent
pH	About 12.5
Freezing Point	About 30°F
Boiling Point	About 212°F
Flash Point (TCC)	160°F TCC - 185°F COC
Relative Density	0.92
Auto-Ignition Temperature	Not determined
Water Solubility	Emulsifies
Viscosity	20 to 50 CP at room temperature

INCOMPATIBILITY

Strong oxidizing agents.
Strong acids.

WAREHOUSING PRECAUTIONS

Store in a well-ventilated place. Keep container tightly closed. Keep cool. Store locked up. Do not store near heat, sparks, open flame, or other ignition sources. Do not store in direct sunlight. Avoid storing above 120°F (49°C).

AVAILABLE SIZES

5 gallon Pail

55 gallon Drum

FIRST AID MEASURES

If in eyes: Rinse cautiously with water for several minutes. If contact lenses present, remove them if easy to do. Continue rinsing for several minutes. Immediately call a poison center, doctor, physician or other competent medical authority for medical advice. Penetone recommends that after any eye exposure and initial treatment a physician be seen immediately.

If swallowed: Rinse mouth. Immediately call a poison center, doctor, physician or other competent medical authority. Product presents an aspiration hazard. DO NOT INDUCE VOMITING.

If inhaled: Remove person to fresh air and keep comfortable for breathing. Immediately call a poison center, doctor, physician or other competent medical authority for medical advice.

If on skin: Take off immediately all contaminated clothing. Rinse skin with water or shower. A mild soap may be used. Wash contaminated clothing before reuse. Immediately call a poison center, doctor, physician or other competent medical authority for medical advice. If skin irritation or rash occurs: Get medical advice or attention.

PERSONAL PROTECTION Security equipment



WHMIS



IMPORTANT: Before using **PENMUL L460**, always be sure to read and follow precautions and directions for use appearing on the product container label and on the safety data sheet (S.D.S).



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