

PlanetSafe A.I.M Extreme Duty Lubricant – Technical Data Sheet

6/12/2015

Physical Characteristics

Appearance: Liquid
Color: Clear to Yellow Brown
Freeze Point/Pour Point: < -40 F
Specific Gravity: 0.95 gm/ml
pH as supplied: 6.5-7.5
Flash Point (estimated): 356 F
Auto ignition Temperature (estimated): 650 F
Solubility in Water: Insoluble
Surface Tension: Very Low



Product Features

PlanetSafe A.I.M Extreme Duty Lubricant lubricates moving parts such as bearings, hinges, wheels, rollers, chains, gears, blades (swather and hedge trimmers), shears, and latches. A.I.M penetrates into the micro-spaces in metal parts – allowing the removal of bolts from seized nuts, valves, and locks. The active ingredients form an ionic bond to the surface of metal removing and preventing rust and corrosion as well as preventing further rust and corrosion. It will clean surfaces of hardened grease and dirt. It functions as an excellent anti-seize treatment for metal parts. As a cutting, drilling, tapping, and threading product A.I.M is second to none. A.I.M is drawn to heat. When the blades and bits heat up A.I.M bonds permanently to the surface of the tool reducing galling and providing a smoother result.

Surface Compatibility

A.I.M is an excellent treatment for metal-on-metal friction reduction and protection of metal from rust and corrosion. A.I.M is generally effective on hard and metal surfaces – HDPE, Viton, nylon, vinyl, fiberglass, steel, galvanized steel, stainless steel, copper, brass, magnesium, nickel, tin plate, titanium, and zinc.

Surface Cautions

A.I.M is a bio-synthetic formulation in a light mineral oil. A.I.M is generally not compatible with the following gaskets, seals, and hoses: Rubber, Silicone (VQM), Ethylene Propylene (EPDM, EPM), Styrene-Butadiene (SBR), Butyl (IIR), and Neoprene (Chloroprene, CR).

PlanetSafe A.I.M – Environmental Information

- PlanetSafe A.I.M does not contain chlorofluorocarbons (CFCs or HCFCs).
- PlanetSafe A.I.M does not contain lead (Pb), mercury (Hg), cadmium (Cd), hexavalent chromium (Cr6), polybrominated diphenylether complying with the restructured substances listed in Article 4(1) of the RoHS Directive.
- PlanetSafe A.I.M contains no ingredients requiring California prop 65 listing or labeling such as benzene or toluene.
- PlanetSafe A.I.M is a non-toxic, non-hazardous lubricant used to penetrate, lubricate, clean, and prevent corrosion and seizing.