

ORISON

HD OAT

HEAVY DUTY ORGANIC ACID TYPE INHIBITOR

DESCRIPTION

HD OAT additive syrup is a concentrated single component multi-metal corrosion inhibitor package. This type of chemistry is sometimes referred to as an Organic Acid Type inhibitor.

This inhibitor is compatible with various heat transfer/coolant technologies* including water, glycerin and ethylene, propylene and PDO glycols. Use HD OAT to blend premium quality fluids for:

- boiler / heater systems
- floor heater systems
- solar thermal systems
- geothermal systems
- coolers / chillers
- extended life antifreeze / engine coolant
- or any other closed loop system utilizing water or water compatible fluids

PERFORMANCE

HD OAT, when blended with the proper medium, provides protection which has been tested to the following ASTM Methods:

- D3306 - Light Duty Glycol Engine Coolant
- D6210 - Heavy Duty Glycol Engine Coolant
- D7714 - Light Duty Glycerin Engine Coolant
- D7715 - Heavy Duty Glycerin Engine Coolant
- D7517 - Heavy Duty PDO Engine Coolant
- D7518 - Light Duty PDO Engine Coolant

SAFETY / ENVIRONMENT

HD OAT corrosion inhibitor package offers safety for personnel and the environment:

- Biodegradable
- Non-Hazardous
- No Nitrites
- No Amines
- No Phosphates
- No Silicones
- No Molybdates

USE DILUTIONS

Heavy Duty Industrial & Engine Related Applications - 4%
Light Duty Industrial & Engine Related Applications - 3%
Non Engine Circulating Systems - 2% to 3%

The standards listed at left include the following ASTM Methods:

- D4340 Corrosion in Glassware Copper
 - Solder
 - Brass
 - Steel
 - Cast Iron
 - Cast Aluminum
- D2809 Water Pump Cavitation 100 hrs
- D2570 Simulated Service Copper
 - Solder
 - Brass
 - Steel
 - Cast Iron
 - Cast Aluminum
- D1122 Relative Density
- D1177 Freeze Point
- D1120 Boiling Point
- D1182 Effect on Auto Finish
- D1119 Ash Content
- D1287 pH @ 50% in water
- D3634 Chloride
- D1123 Water wt%
- D1121 Reserve Alkalinity
- D1881 Foaming

TYPICAL PROPERTIES

Form: Liquid
Color: Brown
pH: 8-9
Water Solubility:
Complete
Specific Gravity: 1.136

HMIS	
HEALTH	1
FLAMMABILITY	0
INSTABILITY	0
SPECIFIC	0

4801 South Danville Drive * Abilene, TX 79602 * Ph. 325.692.1135 * Fax 325.690.0569
Commercial: www.orisonmarketing.com Gov't/Military: www.orisonllc.com