

# ORISON

## HDCSC

### HEAVY DUTY COOLING SYSTEM CLEANER



#### DESCRIPTION

HDCSC is a liquid cleaner concentrate specially designed for removing rust, sludge and scale from radiator and engine cooling systems of Automobile, Light-Duty Service and Heavy Duty Engines. It will not adversely affect water pump seals or radiator hoses.

HDCSC is a well balanced mixture of carboxylic acid derivatives and ethoxylated surfactants. It DOES NOT CONTAIN hydrocarbon solvents, amines, silicates, phosphates, carbonates or alkaline compounds.

#### INSTRUCTIONS

NOTE: Be sure the engine is cold before you start removing the radiator pressure cap.

1. Remove radiator pressure cap
2. Locate the drain valve and open it, drain coolant/water completely out and close drain valve.
3. Fill radiator with tap water until half its capacity.
4. Add HD CSC so that it equals 10% of total radiator capacity
5. Start the engine and add tap water until the radiator is full.
6. Let the engine run until it reaches operating temperature (176°-194°F) and then run for an additional 15 - 20 minutes.
7. Let engine cool down to at least 140°F, insert a garden hose into the fill spout of the radiator, open the drain valve and simultaneously fill and drain the radiator until the water is clear and foam is observed.
8. Stop the engine and drain the coolant system completely.
9. Close drain valve and add antifreeze.

**REMOVES RUST**  
**REMOVES SCALE**  
**REMOVES SLUDGE**  
**NEUTRAL PH**  
**NO HYDROCARBONS**  
**NO AMINES**  
**NO SILICATES**  
**NO PHOSPHATES**  
**NO ALKALINE**

#### Typical Properties

Appearance: Clear to Pale Yellow  
pH: 6.5 - 7.5  
Specific Gravity: 1.05  
Density (lb/gal): 8.76  
Solubility in H<sub>2</sub>O: Complete

#### Packaging

24 Oz. Bottle  
1 Gallon Jug  
4 x 1 Gallon Case  
5 Gallon Pail  
55 Gallon Drum

HMIS	
HEALTH	1
FLAMMABILITY	0
INSTABILITY	0
SPECIFIC	0