

Coolant Conditioner 20 is a highly effective conditioner for both soluble oils and synthetic chemical coolants. It can be used in grinding as well as machining coolants. It is very useful in eliminating foul odors caused by microbial growth and excessive tramp oil contamination.

Cost Effective – Coolant Conditioner 20 works at low concentrations and is highly dilutable.

Wide pH Range – Coolant Conditioner operates over a very wide pH range of 8-12. (**Note:** It may lose effectiveness below pH 5.)

Maintain pH – Coolant Conditioner 20 helps maintain solution and emulsion pH.

Hard Water Conditions – Coolant Conditioner 20 works well in water hardness up to 400 ppm in a concentrate and 600 ppm in dilute form.

Compatibility – Coolant Conditioner 20 is compatible with anionic, cationic, and non-ionic compounds. It will not interfere with the functionality of materials such as flocculants and coagulants.

Note: Coolant Conditioner 20 is slightly toxic orally and dermally and may cause mild eye and slight skin irritation. This material is not a mutagenic substance.

Safety and Handling – Normal safety precautions (gloves and goggles) should be used when using this material. Should skin come in contact with the material, wash with

soap and water. Store in a cool dry place. Do not overheat (110°F). Do not freeze.

Calculating Starting Amount of Material – To calculate the correct amount of Coolant Conditioner 20 to be added to the sump, multiply coolant sump volume by 7.5 (the number of gallons of liquid in a cubic foot).

Example:

Tank width = 2 ft

Tank length = 6 ft

Tank depth = 2 ft

Volume = 2 x 6 x 2 = 24 cu ft

Liquid Volume = 24 x 7.5 = 180 gal

For a 50:1 concentration, add 180/50 = 3.6 gal to the coolant tank.

Adding Coolant Conditioner 20 to the Coolant Tank – Coolant Conditioner 20 works best when added to a clean fresh sump; however, it can be used as a tank-side additive for existing sumps.

When adding Coolant Conditioner 20, wear protective gloves and eye protection and add the material at a point of high agitation.

Packaging and Handling – Coolant Conditioner 20 is a liquid packed in 1, 5, and 55-gal non-returnable drums. Refer to the Material Safety Data Sheet for suitable materials of construction, for handling, and storing instruction. Do not freeze. Containers should be triple rinsed before disposal. Observe all safety precautions shown on the label and in the Material Safety Data Sheet.

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Recommended Starting Dilutions

Tank Size (gal)	Coolant Conditioner 20 (ml)	Tank Size (gal)	Coolant Conditioner 20 (gal)
20	80-120	400	0.5
40	160-240	600	0.75
60	240-360	800	1.00
80	320-480	900	1.20
100	400-600	1000	1.50
120	480-720	1200	1.75
140	560-840		
160	640-960		
180	720-1080		
200	800-1200		

Health	1
Flammability	1
Reactivity	0
Personal Protection	E

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