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FAX NUMBERS (813):

ADMIN	627-2620	WASTE	627-2640
LEGAL	627-2602	WETLANDS	627-2630
WATER	627-2670	ERM	627-2650
AIR	627-2660	LAB	272-5157

TESTING OF WASTE ANTIFREEZE

Improper disposal of waste antifreeze can cause environmental problems. Antifreeze is made up of water and ethylene glycol. Neither of these ingredients is regulated as a hazardous waste, however contaminants such as lead, tin, copper, iron, and zinc may accumulate through the corrosion process. Organics such as benzene, trichloroethylene, and perchloroethylene have been found in waste antifreeze at levels that identify the waste as hazardous. Under the federal and state hazardous waste regulations, any waste containing regulated levels of heavy metals or organics is a hazardous waste.

Therefore, per 40 CFR Part 262.11, any business that generates waste antifreeze is required to perform a waste determination to determine whether or not it is hazardous. This may be done by testing a representative sample of the waste antifreeze for **lead, benzene, perchloroethylene and trichloroethylene**. In testing the waste antifreeze, the Toxicity Characteristic Leaching Procedure (TCLP) test method should be used. A "Totals" test method may be used for initial screening purposes. In addition, the chosen laboratory should be operating under an approved Department of Health (DOH) National Environmental Laboratory Accreditation Program (NELAP). A business may also perform a waste determination by using generator's knowledge (ie: Material Safety Data Sheets, process knowledge, etc.) in lieu of testing and declare the waste antifreeze hazardous.

If the waste antifreeze is determined, via testing, to be non-hazardous, it can be disposed of as a non-hazardous industrial waste. Be aware that non-hazardous waste antifreeze **can not** be disposed of on the ground, in a septic tank, storm sewer, or in a dumpster. If the waste antifreeze is determined hazardous, it must be managed as a hazardous waste per the requirements of 40 CFR Parts 262 through 268. Copies of all waste disposals receipts and/or manifests documenting recycling or disposal of waste antifreeze must be retained by the generator on site for a minimum of 3 years.

However, EPC strongly encourages businesses to first seek methods to reduce or eliminate their hazardous waste. Businesses may wish to consider recycling their waste antifreeze as opposed to disposing of it. In order to reduce the chances of your waste antifreeze being hazardous, the EPC recommends the following management methods:

- ***Use clean drain pans designated for waste antifreeze only.***
- ***Use clean plastic storage drums designated for waste antifreeze only.***
- ***Label all drums and drain pans clearly with words "USED ANTIFREEZE."***
- ***Never mix other wastes with your waste antifreeze.***

Should you have any questions concerning the proper management of waste antifreeze, please contact EPC's Small Quantity Generator Section at (813) 627-2600.

VENDOR LIST OF ANTIFREEZE RECYCLERS

This list provides general information on waste antifreeze vendors who operate in Hillsborough County. The Environmental Protection Commission does not necessarily endorse any companies appearing on this list, and the absence of a particular company does not imply prejudice or impropriety. In addition, placement on this list neither certifies nor implies that the companies are in compliance with all federal, state, and local environmental regulations.

EPC recommends that a prospective customer contact a number of companies for the best service and price. **These companies reserve the right to evaluate the extent of their services on a case-by-case basis.**

For general compliance inquiries, call the Environmental Protection Commission of Hillsborough County (EPC) at (813) 627-2600 or the Southwest District of the Florida Department of Environmental Protection (FDEP) at (813) 632-7600.

<u>MOBILE ANTIFREEZE RECYCLING SERVICE</u>	<u>ANTIFREEZE RECYCLING COLLECTORS</u>
BRIAN'S ON SITE RECYCLING (813) 228-7717	FIRST RECOVERY dba SAFETY KLEEN 1-800-545-3520
RECYCLE USA 1-800-932-5111	SAFETY KLEEN (813) 626-1203
MMT TECHNOLOGIES, INC. 1-888-274-5894	CLIFF BERRY INC. (813) 626-6533 (866) 899.7745
ZAMORA INTERNATIONAL 1-888-777-8707	EQ OF FLORIDA (813) 623-5302
ON-TIME ENVIRONMENTAL (813) 655-7115	ATLANTIC 1-800-256-9900
US Filter dba SIEMENS 1-800-235-0189	

