



Antifreeze that contains more than 5 mg/l (ppm) TCLP lead must be managed as a hazardous waste.

DO

- ✓ Collect all antifreeze drained from vehicles.
- ✓ If the antifreeze is usable, return it to the vehicle.
- ✓ Clearly label containers of re-usable or waste antifreeze.
- ✓ Store waste antifreeze in re-sealable, plastic, 30 gallon, or smaller, drums.
- ✓ Store waste antifreeze indoors, in a secure location.
- ✓ Maintain a log for each drum of waste antifreeze to record the first date antifreeze is added and the date the drum is filled.
- ✓ Drums of waste antifreeze will be tested for TCLP lead when 25 gallons has accumulated, or as needed.
- ✓ If the lead test result is over 5 mg/l TCLP lead, manage the waste as a hazardous waste through the UK Environmental Management Department.

DON'T

- ✗ Don't pour waste antifreeze in a floor drain, storm drain, septic system, dry well or on the ground.
- ✗ Don't mix other wastes, used oil, cleaners, solvents or brake fluid with waste antifreeze.

Materials & Waste Management

- ▲ Contact UK Environmental Management to request tests for total lead and TCLP lead.
- ▲ A chain of custody form, provided by the laboratory, must accompany each sample.
- ▲ Send a copy of the chain of custody and test results to UK Environment Management.
- ▲ Waste antifreeze is non-regulated if total lead or TCLP lead is less than 5 mg/l (ppm).

Facility Checklist

- Monitor re-useable and waste antifreeze storage drums for leaks, spills and housekeeping **DAILY**.
- Check waste antifreeze volumes **MONTHLY**.
- Check recordkeeping **MONTHLY**.
- Check spill kit **MONTHLY** and promptly restock after use.

Tips and Tricks

- ! A 30 gallon drum of antifreeze weighs 200 pounds.
- ! UK Environmental Mgmt. 859-323-6280

If...Then

- Immediately contain and clean up all spills, using a spill kit. (See **Fact Sheet 10.1**)
- Immediately protect floor drains from a spill with absorbent socks or pillows.
- Immediately pump waste antifreeze from leaking drums into a secure container.

Training: 1 per Year

Season: Winter

Relevant Environmental Programs

- | | |
|--|--|
| <input type="radio"/> Air Quality | <input checked="" type="radio"/> GWPP |
| <input type="radio"/> 401/404/WQC | <input checked="" type="radio"/> Waste |
| <input checked="" type="radio"/> KPDES | <input type="radio"/> Pesticides |
| <input checked="" type="radio"/> MS4 | <input type="radio"/> SPCC |



INFORMATION SOURCES

Kentucky Transportation Cabinet. *Environmental Awareness: A Road Master Training Course*. Undated. (Unit 3 p 4, 12)

Kentucky Transportation Cabinet and Kentucky Transportation Center. 2005. *Environmental Handbook for Management of Highways and Transportation Facilities*. (Fact Sheet 4.5)

New York State Department of Transportation. *Environmental Handbook for Transportation Operations A Summary of the Environmental Requirements and Best Practices for Maintaining and Constructing Highways and Transportation Systems*. NYSDOT Environmental Analysis Bureau. April, 2006. 58.

Ohio Department of Transportation. *Section 800 Hazardous Waste Management Manual*. Office of Environmental Services. Columbus, Ohio. April, 2004. (814.15.6 ANTIFREEZE)

City of Bowling Green. 2006. *Environmental Handbook for City of Bowling Green Facilities Management*. (Fact Sheet 9.4)

NOTES

- 1) UK Environmental Management is located at 355 Cooper Drive, Lexington, KY 40506-0490, 859-323-6280, ehs.uky.edu/env.