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INSIGHTS



CHEMSTATION

Underbody Spray Will Reduce Rate of Corrosion

The ChemStation research chemists have embarked on an intense corrosion study specific to vehicles and their parts.

Over the next few months they will explore methods to reduce or eliminate the rate of corrosion on vehicle underbodies and chassis systems…targeting the corrosion that occurs in the winter months as a result of roadway de-icing salts. The lab will test 12 different cleaning procedures in a 100% humidity chamber. Underbody components will be exposed to a harsh salt solution and will be evaluated daily.

A reduction in corrosion would lengthen the life of a vehicle, increase the resale value, and be an economic benefit to customers at vehicle/truck wash establishments and for fleet owners who do their own cleaning.



Driver Distraction Hits the Airwaves

NPR's Car Talk guys, Tom and Ray Magliozzi, may be a couple of motor mouths, but they always put a lid on using cell phones behind the wheel. They recently teamed with the University of Utah to launch the Driver Distraction Center at their Web site, www.cartalk.com/distraction.

The Center offers information and resources dedicated to raising awareness about the dangers of driving under the influence of technology.

(continued)

THINKING GREEN

Out of Sight but Far from Gone

Trash might be out of sight and out of mind, but it is far from gone.

Waste discarded at the side of the road can take years to biodegrade. It remains in landfills even longer because they are sealed from the elements. Newspapers have been pulled from landfills after 10 years and you can still read them!

How long does it take for litter to disintegrate? Check out this list:

- **Paper:** Two to four weeks
- **Cotton rugs:** One to five months
- **Rope:** Three to 14 months
- **Wool sock:** One year
- **Wooden stack:** 13 years
- **Tin can:** 100 years
- **Aluminum can:** 200 to 500 years
- **Plastic 6-pack holder:** 450 years
- **Glass bottle:** Undetermined time

So why do we want to live with an aluminum can when it can be turned into something that has use?

Driver Distraction

(continued)

National Safety Council research indicates that cell phone use and texting while driving cause at least 28 percent of all traffic accidents. This statistic moved the brothers to redouble their efforts and partner with the University of Utah Applied Cognition Laboratory to produce the online Driver Distraction Center. Features include Tom and Ray's tips for responsible driving, a driving simulator, a quiz and informational resources.

Know how to Handle Flammable and Combustible Liquids

Flammable liquids ignite easily and burn quickly. Gasoline, acetone, and methanol are good examples. They have flashpoints below 100°F.

The flash point is the temperature at which a liquid produces enough vapors to be ignited, and determines the flammability hazard of a liquid. A combustible liquid has a flash point at or above 100°F up to 200°F.

An easy way to identify them and their hazards is to use the product's Material Safety Data Sheet. It provides information regarding the hazardous chemical ingredients, the physical data, fire and explosion hazards, reactivity data, conditions to avoid, and storage and handling.



The 4th of July

During the American Revolution, the legal separation of the American colonies from Great Britain occurred on July 2, 1776, when the Second Continental Congress voted to approve a resolution of independence that had been proposed in June by Richard Henry Lee of Virginia. After voting for independence, Congress turned its attention to the Declaration of Independence, a statement explaining this decision, which had been prepared by a Committee of Five, with Thomas Jefferson as its principal author. Congress debated and revised the Declaration, finally approving it on July 4.

One of the most enduring myths about Independence Day is that Congress signed the Declaration of Independence on July 4, 1776. The myth had become so firmly established that, decades after the event and nearing the end of their lives, even the elderly Thomas Jefferson and John Adams had come to believe that they and the other delegates had signed the Declaration on the fourth. Most delegates actually signed the Declaration on August 2, 1776.

In a remarkable series of coincidences, both John Adams and Thomas Jefferson, two founding fathers of the United States and the only two men who signed the Declaration of Independence to become president, died on the same day: July 4, 1826, which was the United States' 50th anniversary.



SOAPBOX

By the time you get your shoulder to the wheel, your nose to the grindstone, and your ear to the ground, it's usually time for lunch.

You know you're grown up when a clean sweater and jeans is no longer considered "dressing up."

People generally quarrel because they cannot argue.

You know it's time for a second opinion when your neurosurgeon calls your case a "no-brainer."

Considering all the lint you get in your dryer, if you kept drying your clothes would they eventually just disappear?

The only difference between a yard sale and a trash pickup is how close to the road the stuff is placed.

Is there ever a day that mattresses are not on sale?

One fowl is a goose, but two are called geese; yet the plural of moose should never be meese. You may find a lone mouse or a nest full of mice; yet the plural of house is houses, not hice. Go figure.

Shin, n. A device for finding furniture in the dark.

ChemStation™

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By the Numbers



Gallons of soap delivered:
155,629,008 since 1984



Empty drums not in landfills:
2,829,618 since 1984