Talk to Your Contractor

When negotiating with a contractor to sealcoat a driveway, tennis court or common subdivision road, ask what type of product is used. Specify that you want an asphalt emulsion sealant. Request a safety data sheet for the contractor’s product to confirm. Avoid a sealant with any of the following Chemical Abstract Service (CAS) numbers on its ingredient list:

- CAS#s - 65996-92-1 65996-93-2 65996-89-6
- 800745-2 64742-90-1 69013-21-4

Can Your Driveway Make You Sick?

Sealants are applied on driveways, playgrounds, and other asphalt pavements to give old surfaces a black, glossy restored appearance. But if toxic coal tar and other high PAH sealants are used, they come with a potential danger. Coal tar sealants are linked to an increased risk of cancer, especially in children. Look inside for ways to protect yourself and your family.

Ask for asphalt emulsion sealants.

The Barrington Area Council of Governments is a regional planning organization whose members are the Villages of Barrington, Barrington Hills, Lake Barrington, North Barrington, South Barrington, Tower Lakes, Cuba and Barrington Townships.

If You Buy and Apply

When shopping for a sealant to apply yourself, look for asphalt emulsion sealants. Most home improvement stores sell these safer sealants. Avoid products with the words: coal tar, coal tar pitch, refined tar, coal tar pitch volatiles, RT-12, tar, steam-cracked petroleum residues, steam-cracked asphalt, pyrolysis fuel oil, heavy fuel oil, ethylene tar, ethylene bottoms or related terms and avoid products with the CAS numbers above.

Lastly, talk to your neighbors. Be sure they know the dangers too. Ask for asphalt emulsion sealants so our neighborhoods are safer for everyone.

For more information go to www.bacog.org
I'm Putting WHAT on My Driveway?
The black shiny top coat you put on your driveway to protect it from weathering and to maintain a dark, glossy appearance could be a coal tar-based or other sealant with high Polycyclic Aromatic Hydrocarbons (PAHs).

A Known Carcinogen

Coal tar sealants and certain other sealants are a potent source of polycyclic aromatic hydrocarbons (PAHs), as documented by the USGS and other researchers. Coal tar and some PAHs are recognized carcinogens by the U.S. Department of Health and Human Services and international agencies. Prolonged exposure is hazardous to humans and aquatic life.

Why Does it Matter?

Sealants do not stay on your driveway. Sealant particles flake off with vehicle and foot traffic, snow removal and in sunlight. Particles can blow away or wash into ponds and streams with stormwater. This dust is tracked into homes by people and pets, where potentially carcinogenic dust and PAHs can be inhaled, ingested and absorbed through the skin.

Better Alternatives

Safer, asphalt-emulsion sealants have about 1/1,000th the PAHs of coal tar sealants. Asphalt-based sealants are similar in cost and durability to coal tar sealants and are widely available in stores and from contractors. Alternately, residents may choose to leave pavement unsealed or replace asphalt with concrete, pavers or surfaces other than asphalt.

References:


USGS Website/Texas Water Science Center; USGS Research: PAHs and Coal-Tar-Based Pavement Sealcoat, http://tx.usgs.gov/sealcoat.html