

KNOWLEDGE

Which of the following products contain solvents?

- Car batteries
- Degreasers
- Wheel brighteners
- Paint systems

Solvents, slide # 3

Exposure to high concentrations of solvents can make you feel slightly drunk.

- Yes, but only when you breathe them in
- Yes, but only if you get them on your skin
- Yes, regardless of how the solvents get into your body
- Yes, and this is also an effect of breathing acid vapors
- Yes, and this is also an effect of breathing welding fumes

Solvents, slide # 7

Long-term exposure to solvents may cause which of the following health issues?

- Breathing problems
- Damage to the nervous system
- Liver problems
- Kidney problems
- Skin rash

Solvents, slide # 9

The flash point listed in the safety data sheet (SDS) of a product containing solvents gives you information about:

- How quickly the liquid evaporates
- How quickly a coat of product dries
- The temperature at which the products should be stored or maintained
- The temperature at which a combustible concentration of vapors can be generated
- The temperature at which a fire can no longer be put out using fire extinguishers

Solvents, slide # 16

Complete this sentence to make it a “True” statement: The lower the flash point of a product...

- The lower the risk of fire
- The higher the risk of fire
- The higher the risk of breathing problems
- The lower the risk of skin rash

Solvents, slide # 16



The health effects from solvents and other chemicals in the air depend on all of the following except:

- How much you are exposed to
- If you are exposed at home or at work
- Use of protective equipment
- Duration of exposure

True for all hazards

OSHA requires that glove manufacturers test their products and inform consumers about the chemicals that gloves can protect against:

- True
- False

OSHA does NOT make such requirements

When selecting chemical-resistant gloves to protect your skin when working with a product, you need to know:

- Whether or not you will immerse your hands in the liquid
- Whether or not the liquid will splash your hands
- The ingredients of the product – listed in the SDS
- Which glove manufacturers have glove selection charts
- How long will you work with this product

Solvents, Homework item #1

An acid or a base that can burn or damage the skin and eyes is referred to as:

- A sensitizer
- Odorless
- Corrosive
- An irritant

Acids and Bases, slide # 5

Complete this sentence to make it a “True” statement: The pH...

- Is a physical property of any liquid
- Is a chemical property of any liquid
- Indicates whether the chemical is a solvent
- Indicates whether the product burns easily
- Indicates whether the product is an acid or a base

Acids and Bases, slide # 5

If the pH of a product is above 7, then the higher the pH...

- the stronger the acid
- the stronger the base
- the stronger the solvent
- the hotter the fire flames

Acids and Bases, slide # 5



Lemon juice is:

- ✓ An acid
- A base

Lemon juice pH is between 2 and 3
→ it's an acid

You are working with wheel brightener containing hydrofluoric acid and get it into your eyes. What should you do right away?

- Check the SDS to see if it's harmful
- ✓ Rinse your eyes for 15 minutes
- Go to the doctor's office
- Use an ice-cold compress

Acids and Bases, slide # 16

Complete the following sentence to make it a "True" statement: An emergency eyewash station...

- ✓ Must be located within a 10-second walk from the potential eye hazard
- ✓ Can either be plumbed or portable
- Must be inspected only once a year
- ✓ Must provide continuous flow for at least 15 minutes
- Can consist of 2 hand-held saline eye wash solution
- ✓ Must be no farther than 55 ft away from the hazard

Acids and Bases, slide # 17

