

standard material. The evaporation rate can be useful in evaluating the health and fire hazards of a material. The designated standard material is usually normal butyl acetate (NBUAC or n-BuAc), with a vaporization rate designated as 1.0. Vaporization rates of other solvents or materials are then classified as:

- FAST evaporating if greater than 3.0. Examples: Methyl Ethyl Ketone = 3.8, Acetone = 5.6, Hexane = 8.3.
- MEDIUM evaporating if  $\geq 0.8$  to  $\leq 3.0$ . Examples: 190 proof (95%) Ethyl Alcohol = 1.4, Naphtha = 1.4, MIBK = 1.6.
- SLOW evaporating if less than 0.8. Examples: Xylene = 0.6, Isobutyl Alcohol = 0.6, Normal Butyl Alcohol = 0.4, Water = 0.3, Mineral Spirits = 0.1.

### **Exfoliation**

Peeling or flaking of skin.

### **Exothermic, Exothermal**

Characterized by or formed with evolution of heat.

### **Explosive**

A chemical that causes a sudden, almost instantaneous release of pressure, gas and heat when subjected to sudden shock, pressure or high temperature.

### **Exposure (radiation)**

- Being exposed to ionizing radiation or radioactive material.
- A measure of the ionization produced in air by x or gamma radiation. It is the sum of the electrical charges on all ions of one sign produced in air when all electrons liberated by photons in a volume element of air are completely stopped in air, divided by the mass of air in the volume element. The special unit of exposure is the Roentgen.

### **Exposure or Exposed**

State of being open and vulnerable to a hazardous chemical by inhalation, ingestion, skin contact, absorption or any other course; includes potential (accidental or possible) exposure.

### **Extinguishing Media**

The firefighting substance to be used to control a material in the event of a fire. It is usually identified by its generic name, such as fog, foam, water, etc.

### **Extravasate**

To exude a substance from the body's vessels into tissues.

### **Eye Protection**

Recommended safety glasses, chemical splash goggles, face shields, etc., to be utilized when handling a hazardous material.

### **F**

Fahrenheit is a scale for measuring temperature. On the Fahrenheit scale, water boils at 212°F and freezes at 32°F.

### **f/cc**

Fibers per cubic centimeter of air.

### **FDA**

U.S. Food and Drug Administration

### **Fetal**

Pertaining to the fetus.