

Chemical Labels

Tape or glue these labels to clear plastic jars with plastic lids for use in your home chemistry set. Many of these chemicals are extremely dangerous and should be kept out of reach of children. Never mix chemicals together without instructions. For example, bleach and ammonia mixed make a gas that will kill within minutes.

Sodium Bicarbonate

(baking soda)

Mostly safe, can cause eye irritation.

Sodium Chloride

(table salt)

Safe, but can cause eye irritation. Drinking salt water can cause dehydration and death.

Sodium Carbonate

(washing soda)

Inhalation can irritate the respiratory tract.

Eye contact can cause permanent injury.

Calcium Chloride

(road salt)

Can lead to burns in the mouth and throat if ingested.

May cause severe eye and skin injuries.

Acetic Acid

(white vinegar)

Only use diluted versions sold in grocery stores. Higher concentrations can cause severe damage to eyes, skin, and mucous membranes.

Polyvinyl Acetate

(white school glue)

Mostly safe. Do not eat it. It can cause a skin allergy in some people.

Ammonium Hydroxide

(ammonia)

Harmful if swallowed. Can cause severe skin, eye, and digestive tract burns.

This is one of the most dangerous chemicals in many homes.

Magnesium Sulfate

(Epsom salts)

Can cause skin, eye, and respiratory tract irritation.

Gives off toxic fumes in a fire.

Calcium Carbonate

(white chalk)

Can cause eye irritation. When heated gives off acid smoke and irritating vapors.

Boric Acid

(Borax)

Ingestion can cause damage to unborn fetus. May damage fertility.

Decomposes when heated and can cause toxic fumes.

Calcium Sulfate

(Plaster of Paris)

Can irritate eyes, mucous membranes, respiratory tract, and skin.

Sodium Hypochlorite

(chlorine bleach)

Can cause headache, nausea, dizziness, and vomiting when inhaled.

Causes skin and eye burns. Extremely dangerous and should be used with caution.