

# Sodium phosphate monobasic usage policy

Madhuri Vinchurkar

Rajul Patkar

Minoj G Seelan

Faculty In-charge Prof. Ramgopal Rao

NFPA Rating: Health: 2; Flammability: 0; Instability: 0

## HEALTH HAZARDS

- May cause eye irritation.
- May cause skin irritation.
- May cause irritation of the respiratory tract.

## HAZARDOUS DECOMPOSITION PRODUCTS

Strontium oxides, Hydrogen chloride gas.

## MATERIALS TO AVOID

Oxides of phosphorus, Sodium oxides

## CONDITIONS TO AVOID

Exposing to moisture

## PERSONAL PROTECTION

**Eyes:** Wear appropriate protective eyeglasses or chemical safety goggles.

**Skin:** Wear appropriate protective gloves to prevent skin exposure.

**Clothing:** Wear appropriate protective clothing to minimize contact with skin.

**Respirators:** Use air purifying dust or mist respirator.

## FIRST AID MEASURES

**Eyes:** Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids.

**Skin:** Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

**Ingestion:** Never give anything by mouth to an unconscious person. Do not induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cups of milk or water. Wash mouth out with water.

**Inhalation:** Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

# FIRE FIGHTING MEASURES

**GENERAL INFORMATION** As in any fire, wear a self-contained breathing apparatus in pressure-demand, and full protective gear. During a fire, highly toxic gases may be generated by thermal decomposition or combustion.

**EXTINGUISHING MEDIA** Use water spray, dry chemical, carbon dioxide, or chemical foam. Use agent most appropriate to extinguish fire.

## USERS

Dr. Madhuri Vinchurkar (madhurisuvarn@ee.iitb.ac.in)

Mrs. Rajul Patkar (rajul@ee.iitb.ac.in)

Mr. Minoj G Seelan (minoj@ee.iitb.ac.in)

## REFERENCES

1) [www.sigmaaldrich.com/catalog/product/sigma/s5011?lang=en...IN](http://www.sigmaaldrich.com/catalog/product/sigma/s5011?lang=en...IN)

2) [www.fishersci.com/msds?...SODIUM+PHOSPHATE](http://www.fishersci.com/msds?...SODIUM+PHOSPHATE)