

# Potassium Antimony tetrahydrate USAGE POLICY

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NFPA Rating

Health Hazard: 2

Fire: 0

Reactivity Hazard: 0

## HEALTH HAZARDS

- Eye: Causes eye irritation. May cause chemical conjunctivitis.
- Skin: Causes skin irritation.
- Ingestion: Harmful if swallowed. May cause gastrointestinal irritation with nausea, vomiting and diarrhea.
- Inhalation:
  - May cause nausea, vomiting, abdominal pain, diarrhea, chest tightness, weakness, and delayed pulmonary edema. Antimony compounds may enter the body through the lungs. Causes irritation of the mucous membrane and upper respiratory tract.
  - Chronic: Prolonged or repeated skin contact may cause dermatitis. Effects may be delayed. Laboratory experiments have resulted in mutagenic effects. Prolonged exposure may cause liver, kidney, and heart damage.

## •HAZARDOUS DECOMPOSITION PRODUCTS

Carbon monoxide, carbon monoxide, carbon dioxide, antimony/antimony oxides, oxides of potassium.

## PERSONAL PROTECTION

**Eyes:** Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

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

## MATERIALS TO AVOID

NA

## CONDITIONS TO AVOID

Incompatible materials, dust generation, excess heat, strong oxidants.

## FIRE FIGHTING MEASURES

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

Extinguishing Media:

Use extinguishing media most appropriate for the surrounding fire. Use water spray, dry chemical, carbon dioxide, or appropriate foam.

# FIRST AID MEASURES

**Eyes:** Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

**Skin:** Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Do not induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything.

**Ingestion:** by mouth to an unconscious person. Get medical aid immediately.

**Inhalation:** Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. Get medical aid. Do NOT use mouth-to-mouth resuscitation. If breathing has ceased apply artificial respiration using oxygen and a suitable mechanical device such as a bag and a mask.

## USERS

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## REFERENCES

1) <http://www.sigmaaldrich.com/MSDS/MSDS/DisplayMSDSPage.do?country=IN&language=en&productNumber=230057&brand=ALDRICH&PageToGoToURL=http%3A%2F%2Fwww.sigmaaldrich.com%2Fcatalog%2Fproduct%2Faldrich%2F230057%3Flang%3Den>

2) <http://dept.harpercollege.edu/chemistry/msds/Potassium%20Antimony%20Tartrate%20Fisher.pdf>