

SODIUM NITRATE USAGE POLICY

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NFPA Rating: Health: 2; Flammability: 0; Instability: 1

HEALTH HAZARDS

- It may cause irritation of the eyes.
- It may cause mechanical irritation or moderate allergic dermatitis.
- It may cause respiratory irritation.

MATERIALS TO AVOID

Strong acids, Strong reducing agents, Powdered metals, Organic materials, Alkali metals, Alkaline earth metals, Cyanides, thiocyanates.

CONDITIONS TO AVOID

Fusion of mixtures of metal cyanides, including lead thiocyanate, with metal chlorates, perchlorates, nitrates or nitrites causes a violent explosion

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 soap water.

Ingestion: Ingestion of this product under normal conditions does not contribute to any known adverse health effects. If large amounts are ingested get medical attention.

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.

EXTINGUISHING MEDIA

Use water spray, dry chemical, carbon dioxide, or alcohol resistant foam. Use agent most appropriate to extinguish fire.

USERS

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REFERENCES

- 1) www.sigmaaldrich.com/catalog/product/sial/221341?lang=en®ion=IN
- 2) <http://avogadro.chem.iastate.edu/MSDS/NaNO3.htm>