

AERCHEM INC.
320 N. Walnut
Bloomington, IN 47404

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Effective Date: 01/29/96

Product Name: SODIUM NITRATE

Chemical Formula: NaNO_3

Cas No.: 7631-99-4

Physical Data:

Melting point (range) Approx.:	306.8
Boiling point:	not applicable
Specific Gravity (Water=1):	2.26
Solubility in water:	soluble
Physical Form:	white prills (pellets)
Vapor pressure:	not applicable

Fire and Explosion Information:

Flash point:	not applicable
(Auto) Ignition temperature:	1,000°C
Extinguishing media to be recommended:	small fires: dry chemical, CO ₂ , water spray or foam. large fires: water spray, fog or foam.
Special fire and explosions precautions:	oxidizer. keep away from reducing agents.
Fire and explosions hazards:	yields toxic gaseous oxides when heated.

Reactivity Data: Stable x

Hazardous Decomposition: products oxides of nitrogen.

Hazardous Polymerization: will not occur.

Handling and Storage Information:

Keep away from reducing agents and liquids of low flashpoints. storage areas should be cool, dry, well ventilated and fireproof.

Leak/Spill Information:

Impervious gloves, boots, wear goggles, coveralls. Wear NIOSH/MSHA approved dust respirator. Sweep or shovel up spilled material.

Disposal Information:

Sanitary landfill in accordance with federal, state and local regulations.

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Health Hazard Information:

A. Exposure/Health Effects:

Dizziness, abdominal cramps, vomiting, headache, mental impairment, cyanosis, may cause skin, eye and mucous membrane irritation.

Chronic Exposures:

None expected at industrial use levels.

B. First Aid:

Inhalation: Remove victim to fresh air, call a physician,

Ingestion: Drink water, induce vomiting by sticking finger down throat, call a physician.

Skin Contact: Flush thoroughly with water.

Eye Contact: Flush with water for 15 minutes, call a physician.

Occupational Control Measures:

Airborne Exposure Limited: NIOSH/MSHA- Approved dust type respirator.

Ventilation Systems: Mechanical (general)

Skin Protection: Coveralls and impervious boots.

Eye Protection: Goggles

Special Protection: Protective gloves- butyl or rubber.

DOT Info:

UN number	UN1498
Class	5.1 (Oxidizer)
PG	III