

Material Safety Data Sheet (MSDS)

640.00

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Potassium Nitrate

SECTION 2 — COMPOSITION, INFORMATION ON INGREDIENTS

Potassium Nitrate

SECTION 3 — HAZARDS IDENTIFICATION

Transparent, colorless crystals or powder. Odorless.

Slightly toxic by ingestion. Irritating to body tissues. Avoid body tissue contact.

Chronic exposure to small amounts can cause anemia, nephritis, methemoglobinemia.

SECTION 4 — FIRST AID MEASURES

Call a physician and seek medical attention for further treatment, observation, and support after first aid.

Inhalation: Remove to fresh air at once. If breathing has stopped, give artificial respiration immediately.

Eye or External: Immediately flush with fresh water for at least 15 minutes.

Internal: Rinse mouth. Give large quantities of water for dilution. Call a physician or poison control at once.

SECTION 7 — HANDLING AND STORAGE

Avoid contact with eyes, skin, and clothing. Wear chemical splash goggles, chemical-resistant gloves, and chemical-resistant apron. Use exhaust ventilation to keep airborne concentrations low.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Transparent, colorless crystals or powder. Odorless.

Solubility: Soluble in water; slightly in alcohol.

Formula: KNO_3

Formula weight: 101.11

SECTION 10 — STABILITY AND REACTIVITY

Avoid contact with strong reducers, finely powdered metals, strong acids, organic and combustible materials.

Shelf life: Good, if stored properly

SECTION 11 — TOXICOLOGICAL INFORMATION

ORL-RAT LD_{50} : 3750 mg/kg

IHL-RAT LC_{50} : N.A.

SKN-RBT LD

SECTION 12 — ECOLOGICAL INFORMATION

Data not yet available.

SECTION 13 — DISPOSAL CONSIDERATIONS

Please review all federal, state and local regulations that may apply, before proceeding.

Flinn Suggested Disposal Method #26a is one option.

SECTION 14 — TRANSPORT INFORMATION

Shipping name: Potassium Nitrate

Hazard class: 5.1, Oxidizer

UN number: UN1486

SECTION 15 — REGULATORY INFORMATION