



SAFETY DATA SHEET

Creation Date 05-Aug-2010

Revision Date 20-Oct-2014

Revision Number 1

1. Identification

Product Name Potassium nitrate

Cat No. : P261-3; P263-100; P263-3; P263-50; P263-500; P383-100; P383-500

Synonyms Saltpeter.; Nitric acid potassium salt; Niter

Recommended Use Laboratory chemicals.

Uses advised against No Information available

Details of the supplier of the safety data sheet

Company
Fisher Scientific
One Reagent Lane
Fair Lawn, NJ 07410
Tel: (201) 796-7100

Emergency Telephone Number
CHEMTREC- , Inside the USA: 800-424-9300
CHEMTREC- , Outside the USA: 001-703-527-3887

2. Hazard(s) identification

Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Oxidizing solids Category 3

Label Elements

Signal Word
Danger

Hazard Statements
May intensify fire; oxidizer



Precautionary Statements

Potassium nitrate

Potassium nitrate

Solubility	No information available
Partition coefficient; n-octanol/water	No data available
Autoignition Temperature	Not applicable
Decomposition Temperature	> 400°C
Viscosity	Not applicable
Molecular Formula	K N O ₃
Molecular Weight	101.1

10. Stability and reactivity

Reactive Hazard	Yes
Stability	Oxidizer: Contact with combustible/organic material may cause fire.
Conditions to Avoid	Avoid dust formation. Incompatible products. Excess heat. Combustible material.
Incompatible Materials	Strong reducing agents, Strong acids, Combustible material
Hazardous Decomposition Products	Oxides of potassium, Nitrogen oxides (NO _x)
Hazardous Polymerization	Hazardous polymerization does not occur.
Hazardous Reactions	None under normal processing.

11. Toxicological information

Acute Toxicity

12. Ecological information

Ecotoxicity

This product contains the following substance(s) which are hazardous for the environment.

Component	Freshwater Algae	Freshwater Fish	Microtox	Water Flea
Potassium nitrate	> 1700 mg/l EC50 (10 day)	1378 mg/l LC50 (96h)	Not listed	490 mg/l EC50 (48h)
Persistence and Degradability	Soluble in water Persistence is unlikely based on information available.			
Bioaccumulation/ Accumulation	No information available.			
Mobility	Will likely be mobile in the environment due to its water solubility.			

13. Disposal considerations

Waste Disposal Methods Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

14. Transport information

Potassium nitrate

Print Date

20-Oct-2014

Revision Summary

This document has been updated to comply with the US OSHA HazCom 2012 Standard