



## MATERIAL SAFETY DATA SHEET

Chemical Name:Potassium Perchlorate  
CAS Registry Numbers:7778-74-7  
Appearance: colourless crystals or white powder  
Melting point: 610 C

### 1. Hazards Identification

Danger! Strong oxidizer. Contact with other material may cause fire. Harmful if swallowed, inhaled or absorbed through skin. Causes severe irritation to eyes, skin and respiratory tract. Affects kidneys and blood.

### 2. First Aid Measures

Inhalation:

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion:

Induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention.

Skin Contact:

Immediately flush skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.

Eye Contact:

Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately

Fire:

Not combustible, but substance is a strong oxidizer and its heat of reaction with reducing agents or combustibles may cause ignition. Contact with oxidizable substances may cause extremely violent combustion. Liberates toxic gases when involved in a fire.

Explosion:

Strong oxidants may explode when shocked, or if exposed to heat, flame, or friction. Also may act as initiation source for dust or vapor explosions. Containers may explode when involved in a fire. Sensitive to mechanical impact.

Fire Extinguishing Media:

Flood with large amounts of water.

### 3. Handling and Storage



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Keep in a tightly closed container, stored in a cool, dry, ventilated area. Store separately and away from flammable and combustible materials. Protect against physical damage. Isolate from incompatible substances. Wash thoroughly after handling. In case of spill, sweep up and remove. flush spill area with water.

#### 4. Stability:

Strong oxidiser - contact with combustible materials, flammable materials, or powdered metals can cause fire or explosion. Incompatible with reducing agents, organic materials. Forms explosive mixtures with alcohols.

#### 5. Transport Information

Proper Shipping Name: Potassium Perchlorate

Hazard Class: 5.1

HS Code::28299000

Packing Group:II

Un No.:1489

IMDG Code:5172