

MATERIAL SAFETY DATA SHEET

Potassium Perchlorate



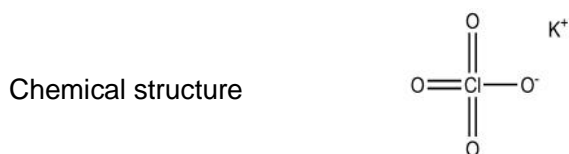
DAYU CHEMICAL
Dedication Around Your Utilizing

SECTION 1: Identification of the substance/mixture and of the company

1.1 Product identifiers

Product name Potassium perchlorate
CAS number 7778-74-7

Molecular formula ClKO_4



Molecular weight 138.55
Appearance White powder

1.2 Details of the supplier of the material safety data sheet

Company SHAANXI DAYU CHEMICAL CO., LTD.
Address Building NO.8, XiShi Jiajun, , XiShi 2nd Road,
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SECTION 2: Composition/information on ingredients

Product name Potassium perchlorate
CAS number 7778-74-7
Purity \cong 95%

SECTION 3: Hazards identification

EMERGENCY OVERVIEW

Danger! Strong oxidizer. Contact with other material may cause a fire. Causes respiratory tract irritation. Hygroscopic (absorbs moisture from the air). May cause kidney damage. Causes eye and skin irritation. May cause blood abnormalities.

Target Organs: Blood, kidneys, thyroid.

Potential Health Effects

Eye: Causes eye irritation.

Skin: Causes skin irritation.

Ingestion: May cause irritation of the digestive tract. May cause kidney damage.

Inhalation: Causes respiratory tract irritation.

Chronic: Prolonged or repeated skin contact may cause dermatitis. May cause anemia and other blood cell abnormalities.

SECTION 4: First aid measures

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Skin: Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists.

Ingestion: If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid.

Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.

SECTION 5: Firefighting measures

General Information:

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Oxidizer. Greatly increases the burning rate of combustible materials.

Extinguishing Media:

Use water spray to cool fire-exposed containers. For large fires, use water spray or fog. For small fires, use dry chemical, carbon dioxide, halon, or water spray.

Auto-ignition Temperature: Not available.

Flash Point: Not applicable.

Explosion Limits Lower: Not available

Explosion Limits Upper: Not available

NFPA Rating: ; instability: OX

SECTION 6: Accidental release measures

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container. Avoid generating dusty conditions.

SECTION 7: Handling and storage

Handling: Wash thoroughly after handling. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation.

Storage:

Keep away from heat, sparks, and flame. Keep away from sources of ignition. Do not store near combustible materials. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

SECTION 8: Exposure controls/personal protection

OSHA Vacated PELs: Potassium perchlorate: None listed

Engineering Controls:

Use adequate ventilation to keep airborne concentrations low.

Personal Protective Equipment

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators:

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

SECTION 9: Physical and chemical properties

Physical State: White powder
Odor: Odorless
pH: Not available
Vapor Pressure: Not available
Vapor Density: Not available
Evaporation Rate: Not available
Viscosity: Not available
Boiling Point: Not available
Freezing/Melting Point: 400 deg C (dec)
Decomposition Temperature:
Solubility in water: 17 G/L (20f C)
Specific Gravity/Density: 2.52
Molecular Formula: ClKO4
Molecular Weight: 138.55

SECTION 10: Stability and reactivity

Chemical Stability: Stable under normal temperatures and pressures.
Conditions to Avoid: High temperatures.
Incompatibilities with Other Materials Not available
Hazardous Decomposition Products Hydrogen chloride, oxides of potassium, oxides of chlorine.
Hazardous Polymerization Will not occur.

SECTION 11: Toxicological information

RTECS#: CAS# 7778-74-7: SC9700000
LD50/LC50: RTECS: Not available.
Carcinogenicity: Potassium perchlorate - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.
Other: See actual entry in RTECS for complete information

SECTION 12: Ecological information

No information available.

SECTION 13: Disposal considerations

Dispose of in a manner consistent with federal, state, and local regulations.

SECTION 14: Transport information

SUS DOT

Shipping Name: POTASSIUM PERCHLORATE, SOLID

Hazard Class: 5.1

UN Number: UN1489

Packing Group: II

Canada TDG

Shipping Name: Not available

Hazard Class:

UN Number:

Packing Group:

SECTION 15: Regulatory information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: XN O

Risk Phrases:

R 22 Harmful if swallowed.

R 9 Explosive when mixed with combustible material.

Safety Phrases:

S 13 Keep away from food, drink and animal feeding stuffs.

S 22 Do not breathe dust.

S 27 Take off immediately all contaminated clothing.

WGK (Water Danger/Protection)

CAS# 7778-74-7: 1

Canada

CAS# 7778-74-7 is listed on Canada's DSL List

Canadian WHMIS Classifications: Not available

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations

and the MSDS contains all of the information required by those regulations.

CAS# 7778-74-7 is not listed on Canada's Ingredient Disclosure List.

US Federal
TSCA
CAS# 7778-74-7 is listed on the TSCA
Inventory.

SECTION 16: Other information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. SHAANXI DAYU CHEMICAL CO., LTD. shall not be held liable for any damage resulting from handling or from contact with the above product. Please see additional terms and conditions for reference.