

文通钾盐集团有限公司

WENTONG POTASSIUM SALT GROUP CO., LTD

Section 1 - Chemical Product

MSDS Name: Potassium Sulfate Anhydrous Powder P.A.

Synonym: Potassium Sulfate; Potassium Sulfate (2:1); Sulfuric Acid Dipotassium Salt; Sulfuric Acid, Dipotassium Salt.

Section 2 - COMPOSITION, INFORMATION ON INGREDIENTS

CAS#	Chemical Name	content	EINECS#
7778-80-5	Potassium sulfate	ca. 100	231-915-5

Hazard Symbols: None Listed.

Risk Phrases: None Listed.

Section 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

The toxicological properties of this material have not been fully investigated.

Potential Health Effects

Eye:

Dust may cause mechanical irritation.

Skin:

May cause skin irritation.

Ingestion:

Ingestion of large amounts may cause gastrointestinal irritation.

Inhalation:

May cause respiratory tract irritation.

Chronic:

Potassium poisoning may occur in rare cases of long exposure or ingestion.

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:

Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

Ingestion:

文通钾盐集团有限公司

WENTONG POTASSIUM SALT GROUP CO., LTD

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.

Notes to Physician:

Persons with asthma may be at increased risk from exposure to this product. Treat symptomatically and supportively.

➤ Section 5 – FIRE FIGHTING 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. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Substance is noncombustible.

Extinguishing Media:

Use extinguishing media most appropriate for the surrounding fire.

Use water spray, dry chemical, carbon dioxide, or alcohol-resistant foam.

➤ 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. Provide ventilation.

Clean up residual material by washing area with a 2-5% solution of soda ash.

➤ Section 7 – HANDLING and STORAGE

Handling:

Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid breathing dust, vapor, mist, or gas. Avoid contact with eyes, skin, and clothing. Empty containers retain product residue, (liquid and/or vapor), and can be dangerous.

Avoid ingestion and inhalation.

Storage:

文通钾盐集团有限公司

WENTONG POTASSIUM SALT GROUP CO., LTD

Keep container closed when not in use. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

➤ Section 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering Controls:

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

Exposure Limits CAS# 7778-80-5: Russia: 10 mg/m³ TWA 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:

A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant a respirator's use.

➤ Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Crystals

Color: colorless or white

Odor: Odorless

pH: ca. 7

Vapor Pressure: negligible

Viscosity: Not available.

Boiling Point: 1689 deg C @ 760.00mm Hg

Freezing/Melting Point: 1067 deg C

Autoignition Temperature: Not applicable.

Flash Point: Not applicable.

Explosion Limits, lower: Not available.

Explosion Limits, upper: Not available.

Decomposition Temperature:

Solubility in water: 110 g/l (20 c)

地址: 佳木斯路 353 号 14 层 • 杨浦 • 上海 • 中国 邮编: 200433
ADD: 14F, No.353, Jiamusi Road, Yangpu, Shanghai, China
电话(TEL): +86-21-61007878
网址: <http://www.wentong.com>

传真(FAX): +86-21-33628880
电子邮件(e-mail): wentong@wentong.com

文通钾盐集团有限公司

WENTONG POTASSIUM SALT GROUP CO., LTD

Specific Gravity/Density: 2.3320g/cm³

Molecular Formula: K₂O₄S

Molecular Weight: 174.26

➤ Section 10 - STABILITY AND REACTIVITY

Chemical Stability:

Stable under normal temperatures and pressures.

Conditions to Avoid:

Incompatible materials, dust generation, active metals.

Incompatibilities with Other Materials:

Strong oxidizing agents, aluminum, magnesium, sodium, calcium.

Hazardous Decomposition Products:

Oxides of sulfur, irritating and toxic fumes and gases, oxides of potassium.

Hazardous Polymerization: Will not occur.

➤ Section 11 - TOXICOLOGICAL INFORMATION

RTECS#:

CAS# 7778-80-5: TT5900000 LD₅₀/LC₅₀:

CAS# 7778-80-5: Oral, mouse: LD₅₀ = 6600 mg/kg; Oral, rat: LD₅₀ = 6600 mg/kg.

Carcinogenicity:

Potassium sulfate - Not listed by ACGIH, IARC, or NTP.

Other:

See actual entry in RTECS for complete information.

➤ Section 12 - ECOLOGICAL INFORMATION

Other No information available.

➤ Section 13 - DISPOSAL CONSIDERATIONS

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

➤ Section 14 - TRANSPORT INFORMATION

地址: 佳木斯路 353 号 14 层 • 杨浦 • 上海 • 中国 邮编: 200433
ADD: 14F, No.353, Jiamusi Road, Yangpu, Shanghai, China
电话(TEL): +86-21-61007878
网址: <http://www.wentong.com>

传真(FAX): +86-21-33628880
电子邮件(e-mail): wentong@wentong.com

文通钾盐集团有限公司

WENTONG POTASSIUM SALT GROUP CO., LTD

IATA

Not regulated as a hazardous material.

IMO

Not regulated as a hazardous material.

RID/ADR

Not regulated as a hazardous material.

➤ Section 15 - REGULATORY INFORMATION

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: Not available.

Risk Phrases:

Safety Phrases:

S 24/25 Avoid contact with skin and eyes.

WGK (Water Danger/Protection)

CAS# 7778-80-5: 1

Canada

CAS# 7778-80-5 is listed on Canada's DSL List.

CAS# 7778-80-5 is not listed on Canada's Ingredient Disclosure List.

US FEDERAL

TSCA

CAS# 7778-80-5 is listed on the TSCA inventory.