

SAFETY DATA SHEET

SECTION 1 - COMPANY AND PRODUCT IDENTIFICATION

PRODUCT

Product Name: POTASSIUM CHLORIDE
Control Number: 00307
Product Description: Potassium Salt

COMPANY IDENTIFICATION

Supplier: Chemical Distribution Solutions
1125 Oak St. Ste. 3030
Conway, AR 72032

24 Hour Emergency Telephone: (800) 424-9300 CHEMTREC
General Information: (501) 978-1111

SECTION 2- HAZARDS IDENTIFICATION

GHS Classification:

Not a hazardous substance or mixture.

GHS Label elements, including precautionary statements

Not a hazardous substance or mixture.

Pictograms

Signal Word:

Hazard statement(s)

Not Classified

Precautionary statement(s)

Not Classified

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS Number	%WT
Potassium Chloride	7447-40-7	99
Tricalcium Phosphate Tribasic	1306-06-5	01

SECTION 4 - FIRST AID MEASURES

FIRST AID PROCEDURES:

Inhalation If dust from the material is inhaled, remove the affected person immediately to fresh air. Call a physician if symptoms develop or persist.

Skin contact Wash off with soap and water. Obtain medical attention if rash develops.

Eye contact Rinse with water. Get medical attention if irritation develops and persists.

Ingestion In case of accidental ingestion of the product, seek medical attention immediately. Give one or two glasses of water if patient is alert and able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Never give anything by mouth to an unconscious person.

SECTION 5 · FIRE FIGHTING MEASURES

Extinguishing Media: Use any agent suitable for surrounding fire conditions and equipment.

Fire Fighting Procedures: Wear self-contained breathing apparatus (SCBA) operated in pressure demand mode and structural firefighter's protective clothing.

Fire and Explosion Hazards: None known or expected. Product does not burn.

SECTION 6 · ACCIDENTAL RELEASE and DISPOSAL MEASURES

Small Spill: Stop source of spill. Salvage and recycle as much material as possible. Use appropriate tools to pick up dry material and collect into suitable container.

Large Spill: Prevent further leakage. Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal. Avoid contaminating ground and surface water.

SECTION 7 · STORAGE AND HANDLING

Precautions To Be Taken In Handling and Storage: Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Always store in tightly sealed and properly labeled original container. Store in a cool, dry well ventilated area.

Other Precautions: This material is hygroscopic.

SECTION 8 · EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering Controls: Provide adequate ventilation or other engineering controls to keep the airborne concentrations of vapor or mists below the applicable workplace exposure limits indicated below. The level of protection and types of controls will vary depending upon potential exposure conditions

Exposure Limits: Ferric Chloride 1 mg/m³ ACGIH 1 mg/m³ OSHA

Personal Protective Equipment (PPE):

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

Skin: If prolonged or repeated skin contact is likely, wear appropriate protective gloves.

Clothing: Selection of protective clothing depends on work conditions, potential exposure conditions and may include gloves, boots, suits and other protective items.

Respirators: Where adequate ventilation is not available an approved respirator must be worn. Respirator selection, use and maintenance should be in accordance with the requirements of OSHA Respiratory Protection Standard, 29 CFR 1920.134. In confined areas, use a self-contained breathing apparatus.

SECTION 9· PHYSICAL AND CHEMICAL PROPERTIES

Flash Point: No available data

Autoignition Temperature: No available data

Boiling Point Range: 2574 °F

Melting Point/Freezing Point: 1429 °F

Vapor Pressure: < 1 mmHg

Vapor Density (Air-1): 5.6

Odor/Appearance: White opaque solid with no odor.

Flammability Limits: No available data

Specific Gravity/Density: 1.98-2.00

Volatile %: Nil

Evaporation Rate (Water=1): No available data

pH: No available data

Solubility in Water: 280 g/l

SECTION 10 - STABILITY AND REACTIVITY

Stability: Stable under normal use conditions.

Conditions to Avoid: When mixed with limited amount of water enough heat may be generated to cause frothing.

Incompatibility: Strong oxidizing agents, Potassium, Alkali metals, Bases, Exothermic in contact with water, Forms shock-sensitive mixtures with certain other materials.

Hazardous Decomposition Products: May release Ferric oxide

Hazardous Polymerization: Will not occur.

SECTION 11 - TOXICOLOGICAL INFORMATION

Signs and Symptoms of Overexposure:

Skin: Contact can be very irritating. Prolonged contact can result in inflammation.

Eyes: Dust in eyes can be very irritating. Prolonged contact can result in tissue damage from abrasion.

Inhalation: High dust concentrations can be very irritating and potentially harmful.

Ingestion: Not a normal route of entry. However, can be harmful or fatal if swallowed.

Acute oral toxicity:

LD50 rat: No available data

Acute inhalation toxicity:

LD50 rat: No available data

Acute dermal toxicity:

LD50 rabbit: No available data

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Persistence and degradability No data is available on the degradability of this product.

Bioaccumulative potential No data available.

Mobility in soil No data available.

SECTION 13 - DISPOSAL CONSIDERATIONS

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

SECTION 14 - TRANSPORTATION

U.S. DEPARTMENT OF TRANSPORTATION (Road or Rail):

Proper Shipping Name: Not a DOT Regulated Material

Hazard Class

UN Number:

Packaging Group:

SECTION 15 · REGULATORY INFORMATION

US FEDERAL REGULATIONS

Comprehensive Environmental Response and Liability Act (CERCLA)

This material is not subject to any special reporting under the requirements of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA).

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302. The reportable quantity (RQ) for this material is 1000 pounds. If appropriate, immediately report to the National Response Center (800/424-8802) as required by U.S. Federal Law. Also contact appropriate state and local regulatory agencies.

Toxic Substance Control Act (TSCA): All components of this product are listed on the TSCA inventory list.

SARA Section 311/312 (40 CFR 370) Hazard Categories:

Acute Health Hazard

SARA Section 313 (40 CFR 372) Hazard Categories: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Clean Water Act: None of the chemicals in this product are listed as Hazardous Substances under the CWA.

Clean Air Act: None of the chemicals in this product are listed as Hazardous Substances under the CAA.

California Prop 65: This product contains no chemicals known by the State of California to cause cancer, birth defects or other reproductive harm.

SECTION 16 · OTHER INFORMATION

MSDS Origination Date: June 2015

National Fire Protection Association (NFPA) Ratings: This information is intended solely for the use of individuals trained in the NFPA system.

Health: 1

Flammability: 0

Reactivity: 0

The data in this Safety Data Sheet relates to the specific material designated and does not relate to its use in combination with any other material or process. The data contained is believed to be correct. However, since conditions of use are outside our control it should not be taken as warranty or representation for which Chemical Distribution Solutions assumes legal responsibility. This information is provided solely for your consideration, investigation, and verification.