



COLUMBUS CHEMICAL INDUSTRIES INC.

P.O. BOX 8
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 FAX (920) 623-2577

Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910 1200. Standard must be consulted for specific requirements

U.S. Department of Labor

Occupational Safety and Health Administration
 (Non-Mandatory Form)
 Form Approved
 OMB No. 1218-0072

IDENTITY (as Used on Label and List)

Potassium Periodate

Note: Blank spaces are not permitted. If any item is not applicable or no information is available, the space must be marked to indicate that.

Section I

Manufacturers /Distributor Address Number Street City State and Zip Code

Columbus Chemical Industries

P.O. Box 8, N4335 Temkin Rd.

Columbus, WI 53925-0008

Emergency Telephone Number

CHEMTREC 1-800-424-9300

Telephone Number for Information

920-623-2140

Date Prepared

06-02-2006

Signature of Preparer (optional)

Section II - Hazardous Ingredients/Identity Information

| Hazardous Components (Specific Chemical Identity, Common Name(s)) | CAS # | OSHA PEL | ACGIH TLV | Other Limits Recommended | % (optional) |
|--|-----------|---------------|---------------|-----------------------------|--------------|
| Potassium Periodate | 7790-21-8 | Not Available | Not Available | Not Available | 100% |

Section III - Physical/Chemical Characteristics

| | | | |
|-------------------------|---------------|---|----------------|
| Boiling Point | Decomposes | Specific Gravity (H ₂ O = 1) | Not Available |
| Vapor Pressure (mm Hg) | Not Available | Melting Point | 582°C (1080°F) |
| Vapor Density (AIR = 1) | Not Available | Evaporation Rate (Butyl Acetate = 1) | Not Available |

Solubility in Water

Slightly soluble

Appearance and Odor

Colorless to white solid

Section IV Fire and Explosion Hazard Data

| | | | |
|---------------------------|------------------|---------------|---------------|
| Flash Point (Method Used) | Flammable Limits | LEL | UEL |
| Non-Flammable | | Not Available | Not Available |

Extinguishing Media

Use water spray from a distance. DO NOT use fire blankets!

Special Fire Fighting Procedures

In the event of a fire, wear full protective clothing and NIOSH/MSHA-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

Unusual Fire and Explosion Hazards

Emits toxic fumes under fire conditions. Material is an OXIDIZER. Highly explosive in the presence of open flames and sparks, shocks, heat, reducing materials and combustible materials. Protect against electrostatic discharges.

Section V Reactivity Data

| | | | | |
|-----------|----------|---|---------------------|---|
| Stability | Unstable | | Conditions to Avoid | Flammable, combustible, and electrostatic discharges |
| | Stable | X | | |

Incompatibility Materials to Avoid

Organic and combustible materials, strong reducing agents, Concentrated sulfuric acid, agricultural chemicals.

Hazardous Decomposition or Byproducts

Hydrogen chloride, potassium oxides, carbon oxides, oxygen.

Hazardous Polymerization**Conditions to Avoid**

| | | | |
|--|----------------|---|----------------------|
| | May Occur | | No known conditions. |
| | Will Not Occur | X | |

Section VI Health Hazard Data

| | | | |
|------------------------|---------------------|---------------|--------------------|
| Routes of Entry | Inhalation ? | Skin ? | Ingestion ? |
| | Yes | Yes | Yes |

Health Hazards (Acute and Chronic)

INHALATION: Airborne dust may irritate and cause damage to respiratory tract. SKIN: Prolonged contact may cause burns. EYES: Causes severe irritation possible burns. INGESTION: If swallowed, may cause severe irritation to mucous membranes and gastrointestinal tract.

| | | | |
|------------------------|------------|------------------------|------------------------|
| Carcinogenicity | NTP | IARC Monographs | OSHA REGULATED? |
| | Not listed | Not listed | Not listed |

Signs and Symptoms of Exposure.

Contact with skin or eyes may cause irritation, itching, redness, burns. Inhalation or ingestion may cause burning sensation, coughing, wheezing, laryngitis, shortness of breath, headache, nausea, diarrhea and vomiting.

Medical Conditions Generally Aggravated by Exposure

Expected to aggravate asthma, emphysema, other respiratory diseases and pre-existing dermatological conditions.

Emergency and First Aid Procedures

EYES: Flush eyes with large amounts of water for at least 15 minutes, holding eyelids apart. Do not use chemical antidote. Seek medical attention. SKIN: Immediately wash contaminated areas with water. Remove contaminated clothing. INGESTION: **DO NOT** induce vomiting. Wash out mouth with water and give large amounts of water. INHALATION: Remove victim to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

Section VII Precautions for Safe Handling and Use**Steps to be Taken in Case Material is Released or Spilled**

Evacuate area remove all ignition sources. Ventilate area and remove combustible materials from area. Wear dust mask, rubber boots, heavy protective gloves and chemical safety goggles. Wet spill with water, Sweep up, avoid creating dust, pickup and hold for disposal. Ventilate area and wash spill site after material pickup is complete.

Waste Disposal Method Observe all Federal, state, and local regulations when disposing of this material.

Precautions to be Taken in Handling and Storing

Store in a cool, dry, well-ventilated area in tightly-closed, plainly-labeled containers. Store in a corrosion-resistant area. Protect against physical damage, light. Maintain adequate ventilation. Do not ingest or breathe vapors. Protect exposed tissues. Store away from heat and combustible materials.

Other Precautions Avoid storing with combustible materials. Segregate from flammable and combustible materials, such as easily oxidizable materials including anti-freeze, gasoline and hydraulic fluids.

Section VII Control Measures

Respiratory Protection (Specify Type) NIOSH/MSHA-approved respirator with dust/mist cartridge.

| | | | | |
|-------------|----------------------|--------------|---------|-----------------------|
| Ventilation | Local Exhaust | Necessary | Special | Safety shower nearby. |
| | Mechanical (General) | Recommended. | Other | Eye wash nearby. |

Protective Gloves Appropriate chemical-resistant gloves. **Eye Protection** Chemical safety goggles

Other Protective Clothing or Equipment Body covering clothing or plastic apron. Faceshield.

Work /Hygienic Practices Wash exposed areas thoroughly with soap and water after handling. Avoid contact with eyes, skin and clothing. Avoid prolonged or repeated exposure. Wash contaminated clothing before reuse. Do not wear contact lenses when handling this product. Do not ingest. Do not breathe vapors. **OXIDIZER.**

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