Section 1. Product and Company Identification

Product Name Potassium Bromide
CAS Number 7758-02-3

Parchem - fine & specialty chemicals
415 Huguenot Street
New Rochelle, NY 10801
(914) 654-6800 **(914) 654-6899**
parchem.com **info@parchem.com**

EMERGENCY RESPONSE NUMBER
CHEMTEL
Toll Free US & Canada: 1 (800) 255-3924
All other Origins: 1 (813) 248-0585
Collect Calls Accepted

Section 2. Hazards Identification

Classification of the substance or mixture
Irritant
Skin irritation, category 2
Eye irritation, category 2A

Environmentally Damaging
Acute hazards to the aquatic environment, category 3

Skin corr/irrit 2; H315
Serious Eye Dam/Irrit 2; H319
STOT SE 3 H335
Acute aquatic toxicity 3 H402

Hazards Not Otherwise Classified - Combustible Dust

GHS Label Elements
Pictograms:

Signal word: WARNING

Hazard and precautionary statements
Hazard Statements
Causes skin irritation
Causes serious eye irritation
May cause respiratory irritation
Harmful to aquatic life

Precautionary Statements
Do not eat, drink or smoke when using this product
Wear protective gloves/protective clothing/eye protection/face protection
Wash ... thoroughly after handling
Avoid release to the environment
Avoid breathing dust/fume/gas/mist/vapors/spray
Use only outdoors or in a well-ventilated area
Use personal protective equipment as required
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do.
Continue rinsing
Collect Spillage
If eye irritation persists get medical advice/attention
IF ON SKIN: Wash with soap and water
Take off contaminated clothing and wash before reuse
If skin irritation or a rash occurs: Get medical advice/attention
Specific treatment (see ... on this label)
Rinse mouth
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
Store in a dry place
Store locked up
Store in a well ventilated place. Keep container tightly closed
Dispose of contents/container to ...

Combustible Dust Hazard: May form combustible dust concentrations in air (during processing).

Other Non-GHS Classification
HMIS Rating
Health: 1
Flammability: 0
Reactivity: 0
Personal Protection: X

NFPA Rating
Health: 1
Flammability: 0
Reactivity: 0

Section 3. Composition / Information on Ingredients

Common Name Potassium Bromide
CAS Number 7758-02-3

COMPONENT	CAS NUMBER	CONCENTRATION
Potassium Bromide	7758-02-3	> 98%

Section 4. First Aid Measures

Description of first-aid measures
Inhalation: Move exposed individual to fresh air. Loosen clothing as necessary and position individual in a comfortable position. Seek medical advice if discomfort or irritation persists. If breathing difficult, give oxygen.
Skin contact: Wash affected area with soap and water. Rinse/flush exposed skin gently using water for 15 - 20 minutes. Seek medical advice if discomfort or irritation persists.
Eye Contact: Protect unexposed eye. Rinse/flush exposed eye(s) gently using water for 15 - 20 minutes. Remove contact lens(es) if able to do so during rinsing. Seek medical attention if irritation persists or if concerned.
Ingestion: Rinse mouth thoroughly. Do not induce vomiting. Have exposed individual drink sips of water. Seek medical attention if irritation, discomfort or vomiting persists.

Most important symptoms and effects, both acute and delayed: Irritation, Nausea, Headache, Shortness of breath.
Indication of any immediate medical attention and special treatment needed: If seeking medical attention, provide SDS document to physician.

Section 5. Firefighting Measures

Extinguishing media
Suitable extinguishing agents: If in laboratory setting, follow laboratory fire suppression procedures. Use appropriate fire suppression agents for adjacent combustible materials or sources of ignition

For safety reasons unsuitable extinguishing agents
Special hazards arising from the substance or mixture: Combustion products may include carbon oxides or other toxic vapors. Thermal decomposition can lead to release of irritating gases and vapors. Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

Advice for firefighters
Protective equipment: Use NIOSH-approved respiratory protection/breathing apparatus.

Additional information (precautions): Move product containers away from fire or keep cool with water spray as a protective measure, where feasible. Use spark-proof tools and explosion-proof equipment.

Section 6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:
Wear protective equipment. Transfer to a disposal or recovery container. Use spark-proof tools and explosion-proof equipment. Use respiratory protective device against the effects of fumes/dust/aerosol. Keep unprotected persons away. Ensure adequate ventilation. Keep away from ignition sources. Protect from heat. Stop the spill, if possible. Contain spilled material by diking or using inert absorbent.
Environmental precautions: Prevent from reaching drains, sewer or waterway. Collect contaminated soil for characterization per Section 13.
Methods and material for containment and cleaning up: If in a laboratory setting, follow Chemical Hygiene Plan procedures. Piece into properly labeled containers for recovery or disposal. If necessary, use trained response staff/contractor. Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Collect solids in powder form using vacuum with (HEPA filter)

Section 7. Handling and Storage

Precautions for safe handling: Minimize dust generation and accumulation. Wash hands after handling. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air}. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Follow good hygiene procedures when handling chemical materials. Do not eat, drink, smoke, or use personal products when handling chemical substances. If in a laboratory setting, follow Chemical Hygiene Plan. Use only in well ventilated areas. Avoid generation of dust or fine particulate. Avoid contact with eyes, skin, and clothing.

Conditions for safe storage, including any incompatibilities: Provide ventilation for containers. Avoid storage near extreme heat, ignition sources or open flame. Store away from foodstuffs. Store away from oxidizing agents. Store in cool, dry conditions in well-sealed containers. Store with like hazards. Protect from moisture.

Section 8. Exposure Controls / Personal Protection

Control Parameters
OSHA PEL TWA (Total Dust) 15 mg/m^3 (50 mppcf*)
ACGIH TLV TWA (inhalable particles) 10 mg/m^3

Appropriate Engineering Controls: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use/handling. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor or dusts (total/respirable} below the applicable workplace exposure limits (Occupational Exposure Limits-OELs) indicated above. Use under a fume hood. It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief vents or an explosion suppression system or an oxygen deficient environment. Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment).
Respiratory protection: Not required under normal conditions of use. Use suitable respiratory protective device when high concentrations are present. Use suitable respiratory protective device when aerosol or mist is formed. For spills, respiratory protection may be advisable.
Protection of skin: The glove material has to be impermeable and resistant to the product/the substance/ the preparation being used/handled. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.
Eye protection: Safety glasses with side shields or goggles.
General hygienic measures: The usual precautionary measures are to be adhered to when handling chemicals. Keep away from food, beverages and feed sources. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Do not inhale gases/fumes/dust/mist/vapor/aerosols. Avoid contact with the eyes and skin.

Section 9. Physical and Chemical Properties

Appearance (Physical State, Color): White solid
Odor: Odorless
Odor threshold: Not Determined
pH-Value: Not Determined
Melting/Freezing Point: 730°C
Boiling Point/Range: 1435°C
Flash Point (Closed Cup): Not Determined
Evaporation Rate: Not Determined
Flammability (Solid, Gaseous): Not Determined
Explosion limit lower: Not Determined
Explosion limit upper: Not Determined
Vapor pressure: Not Determined
Vapor density: Not Determined
Relative Density: 2.75
Solubilities: Material is water soluble
Partition Coefficient (n-Octanol/Water): Not Determined
Auto/Self-Ignition Temperature: Not Determined
Decomposition Temperature: Not Determined
Viscosity (Kinematic): Not Determined
Viscosity (Dynamic): Not Determined
Density: Not Determined

Section 10. Stability and Reactivity

Reactivity: Nonreactive under normal conditions.
Chemical stability: No decomposition if used and stored according to specifications. Hydroscopic.

Possible Hazardous Reactions
Conditions to avoid: Protect from moisture. Incompatible Materials. Dust generation.
Incompatible materials: Strong acids. Strong bases. Oxidizing agents
Hazardous decomposition products: Oxides of potassium, hydrogen bromide.

Section 11. Toxicological Information

Acute Toxicity
LD50 Oral - Rat: 3070 mg/kg

Chronic Toxicity
May cause bromism characterized by disturbances of the central nervous system, skin and digestive tract. Repeated oral intake of bromides (>9mg/kg/day) may affect the central nervous system. Warning symptoms include mental dullness, slurred speech, weakened memory, apathy, anorexia, constipation, drowsiness and loss of sensitivity to touch and pain.

Corrosion Irritation: No additional information.
Sensitization: No additional information.
Single Target Organ (STOT): No additional information.
Numerical Measures: No additional information.
Carcinogenicity: No additional information.
Mutagenicity: No additional information.
Reproductive Toxicity: No additional information.

Section 12. Ecological Information

Ecotoxicity
Freshwater Fish: 96 Hr LC50 Pimephales promelas: > 30 mg/L [Static]

Persistence and degradability: Readily degradable in the environment.
Bioaccumulative potential: N/A
Mobility in soil: N/A
Other adverse effects: N/A

Section 13. Disposal Considerations

Waste Treatment Methods: Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations.

Section 14. Transport Information

UN-Number: Not Dangerous Goods
UN proper shipping name: Not Dangerous Goods

Transport Hazard Class(es)
Packing group: Not Dangerous Goods
Environmental hazard: N/A
Transport in bulk: N/A
Special precautions for user: N/A

Section 15. Regulatory Information

United States (USA)
SARA Section 311/312 (Specific Toxic Chemical Listings): Acute, Chronic
SARA Section 313 (Specific Toxic Chemical Listings): None of the ingredients is listed
RCRA (Hazardous Waste Code): None of the ingredients is listed
TSCA (Toxic Substances Control Act): All ingredients are listed.
CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act): None of the ingredients is listed

Proposition 65 (California)
Chemicals known to cause cancer: None of the ingredients is listed
Chemicals known to cause reproductive toxicity for females: None of the ingredients is listed
Chemicals known to cause reproductive toxicity for males: None of the ingredients is listed
Chemicals known to cause developmental toxicity: None of the ingredients is listed

Canada
Canadian Domestic Substances List (DSL): All ingredients are listed.
Canadian NPRI Ingredient Disclosure list (Limit 0.1%): None of the ingredients is listed
Canadian NPRI Ingredient Disclosure list (Limit 1%): None of the ingredients is listed

Section 16. Other Information

Disclaimer: 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.

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