

BHS Marketing

Western Briquette

MATERIAL SAFETY DATA SHEET

Dipotassium Phosphate

FCC Grade Granular

Date: January 30, 2001

I Company Identification

Company Name: BHS Marketing / Western Briquette
Mailing Address: P.O. Box 27955 SLC, UT 84127-0955
Physical Address: 2320 West Indiana Ave. SLC, UT 84104
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Emergency Number: Chemtrec (800) 424-9300

II Product Identification

Product Name: Dipotassium Phosphate; Potassium Phosphate, Dibasic
Chemical Formula: $K(2) HPO(4)$
Chemical Family: Potassium Phosphates
Molecular Weight: 174.18
Cas Number: 7758-11-4
D.O.T. Ship Name: Dipotassium Phosphate
Percentage: 100.00%

III Typical Physical Properties

Physical Appearance: White powder, granules or solution
Odor: Odorless
pH: 9
Bulk Density: 1.23 g/ml
Boiling Point: N/A
Melting Point: $H_2O @ 200^{\circ}C$
Solubility in Water: 53% @ $20^{\circ}C$ ($68^{\circ}F$)
Specific Gravity: N/A
Vapor Density: Non volatile
Vapor Pressure: Non volatile

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IV Reactivity Data

Chemical Stability:	This material is stable under normal handling and storage conditions
Conditions to Avoid:	Moisture
Materials to Avoid:	None known
Hazardous Decomposition Products:	None known
Hazardous Polymerization:	Will not occur

V Toxicological Information and Interpretation

Acute	
Eye Irritation:	Mildly irritating to unwashed eyes, practically non-irritating to wash eyes (Rabbit)
Skin Irritation:	Minimally irritating at 500 ml/24 hours (Rabbit)
Dermal Toxicity:	No test data found for product
Respiratory Irritation:	
Inhalation Toxicity:	No test data found for product
Ingestion Toxicity:	Practically nontoxic. LD50 > 500 mg/kg (Rat)

VI Hazard Data

Chronic Effects:	Product is not considered hazardous by known governmental definitions. However, continuous contact may cause skin irritation. Minimally to moderately irritating to unwashed eyes and minimally to mildly irritating to washed eyes in rabbits. Skin irritation from continuous contact has been reported during manufacturing when protective measures for contact or personal hygiene procedures are not followed. Human industrial experiences has shown no significant inhalation hazard or skin irritation when exposures are properly controlled. Exposure monitoring indicates that the amount of respirable dust in product is low
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VII Recommended First Aid Measures

Eye Exposure:	Flush eyes with large quantities of running water for a minimum of 15 minutes. If victim is wearing contact lenses, remove them. Hold eyelids apart during the flushing to ensure rinsing of entire surface of the eyes and lids with water. DO NOT let victim rub eye(s). Do not attempt to neutralize with chemical agents. Oils/ointments should not be used at this time. Get medical attention if eye irritation occurs
Skin Exposure:	In case of contact, immediately wash with plenty of soap and water for at least 5 minutes. Seek medical attention if irritation develops or persists. Remove contaminated clothing and shoes. Clean contaminated clothing and shoes before reuse
Inhalation Exposure:	Remove to fresh air. If breathing becomes difficult, oxygen may be given, preferably with a physician's advice. If not breathing, give artificial respiration. Get medical attention
Ingestion Exposure:	If victim is conscious and alert, give 2-3 glasses of water to drink and do not induce vomiting. Never give anything to eat or drink to an unconscious person. Seek immediate medical attention. Do not leave victim unattended. To prevent aspiration of swallowed product, lay victim on side with head lower than waist. Vomiting may occur spontaneously. If vomiting occurs and the victim is conscious, give water to further dilute the chemical
Primary Routes of Entry:	Inhalation, ingestion and dermal
Signs & Symptoms of Exposure:	Possible irritation to eyes, nose and throat. Large doses may cause nausea, vomiting and diarrhea. Systemic oral toxicity is extremely rare and has consisted of acidosis and hypocalcemic tetany

VIII Fire Fighting Measures

Flash Point:	
Extinguishing Media:	Not combustible. Use extinguishing method suitable for surrounding fire
Special Firefighting Procedures:	Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing. Keep unnecessary people away, isolate hazard area and deny entry. Evacuate residents who are downwind of fire. Dike area to prevent runoff and contamination of water.

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Dispose of fire control water later

IX Accidental Release Measures

Containment of Spills:	Sweep or vacuum up and place in an appropriate closed container
Waste Disposal:	Chemical additions, processing or otherwise altering this material, may make the waste management information presented in this MSDS incomplete, inaccurate or otherwise inappropriate. Be advised that state/local requirements for waste disposal may be more restrictive or otherwise different from federal laws and regulations. Consult state/local regulations regarding proper disposal of material
Container Disposal:	Be advised that state/local requirements for container disposal may be more restrictive or otherwise different from federal laws and regulations. Consult state/local regulations regarding proper disposal of container
Clean up & Disposal of Spills:	Clean-up residual material by washing area with water and detergent. DO NOT RETURN TO ITS ORIGINAL CONTAINER
MATERIAL Environmental & Regulatory Reporting:	Spills may be reportable to the National Response Center and to state and/or local agencies

X Handling & Storage

Storage:	This is a food ingredient intended for human consumption. Keep containers closed when not being used. Store in closed containers. Store in an area that is cool and dry
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XI Exposure Controls/ Personal Protection

Appropriate Hygienic Practices:	As part of good industrial, personal hygiene and safety procedure, avoid all unnecessary exposure to the product and ensure prompt removal from eyes, skin and clothing. Maintain good housekeeping to control dust accumulations.
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Personal Protection Equipment

Eye Protection:	Eye and face protection requirements will vary dependent upon work environment conditions and material handling practices. Appropriate ANSI Z87 approved equipment should be selected for the particular use intended for this material. It is generally regarded as good practice to wear a minimum of safety glasses with side shields when working in industrial environments
Skin Protection:	Skin contact should be minimized through use of gloves and suitable long sleeved clothing (i.e. shirts and pants). Considerations must be given both to durability as well as permeation resistance
Respiratory Protection:	When respirators are required, select NIOSH/MSHA approved equipment based on actual or potential airborne concentrations and in accordance with the latest OSHA standard (29 CFR 1910.134) and/or ANSI Z88.2 recommendations
Ventilation Protection:	Where engineering controls are indicated by use conditions or a potential for excessive exposure exists, the following traditional exposure control techniques may be used to effectively minimize employee exposures, local exhaust ventilation at the point of generation

XI Exposure Controls/ Personal Protection-Continued

Exposure Limits:	Exposure limits represent regulated or recommended worker breathing zone concentrations measured by validated sampling and analytical methods, meeting OSHA requirements. The following limits (ACGIH, OSHA and other) apply to this material, where, if indicated,
Particles Not Otherwise Regulated Respirable Fraction:	OSHA TWA: 5 mg/cu M
Particles Not Otherwise Regulated Total Dust:	OSHA TWA: 15 mg/cu M
Other Protection:	Minimize breathing dust. Avoid prolonged or repeated breathing of dust and contact with skin. Remove contaminated clothing; launder before reuse. Cleanse skin thoroughly after contact, before meals and end of work period

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XII Transportation Information

Proper Shipping Name:	Dipotassium Phosphate
D.O.T Hazard Class:	(Not regulated by D.O.T)
Label Requirement:	None
Placard:	None
Packing Group:	N/A
UN:	N/A
RQ:	N/A
C.A.S.:	7758-11-4

XIII Additional Information

The information in this MSDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, expressed or implied, regarding its accuracy and/or completeness. User should consult experts in their review of this MSDS prior to use of the product.

The conditions or methods of handling, storage, use and disposal are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage, or expense arising out of or in any way connected with handling, storage, use or disposal of the product.

*n/a= Not Applicable