



## BOON STREAM CHEM INTERNATIONAL TRADE CO.,LIMITED

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**MSDS**

**Material Safety data Sheet**

### DIPOTASSIUM PHOSPHATE ANHYDROUS

#### MATERIAL SAFETY DATA SHEET

#### SECTION 1: CHEMICAL PRODUCT & COMPANY IDENTIFICATION

##### 1.1 Product Detail

1.1.1 Product name DIPOTASSIUM PHOSPHATE ANHYDROUS

1.1.2 Chemical name Dipotassium Phosphate Anhydrous

1.1.3 Chemical formula  $K_2HPO_4$

#### SECTION 2: COMPOSITION

2.1 Ingredients Dipotassium Phosphate Anhydrous  $K_2HPO_4$

2.2 CAS Number 7758-11-4

#### SECTION 3: HAZARDS

3.1 No known hazards

#### MATERIAL SAFETY DATA SHEET

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#### SECTION 4: FIRST AID MEASURES

4.1 Eye Contact None required.

4.2 Skin contact None required.

4.3 Inhalation / Ingestion If any symptoms follow ingestion or inhalation, obtain medical advice.

#### ***SECTION 5: FIRE-FIGHTING MEASURES***

5.1 Governed by other materials present. No special fire-fighting equipment or measures required.

#### ***SECTION 6: ACCIDENTAL RELEASE MEASURES***

6.1 Sweep up spillage and recover/recycle if possible. Otherwise place in a fiber keg or paper sack and dispose of as industrial waste.

#### ***SECTION 7: HANDLING & STORAGE***

7.1 Handling Minimize dust formation.

7.2 Storage Protect from contamination.

Store in original, unopened package in clean, cool, dry place. Store one pallet high to avoid compaction.

#### ***SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION***

8.1 Regulations Permissible Exposure Limit (PEL):

15m/m<sup>3</sup>; respirable fraction for nuisance dusts.

8.2 Air contamination limits None listed

## **MATERIAL SAFETY DATA SHEET**

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### ***SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES***

9.1 Form Powder

9.2 Colour White

9.3 Odour None

9.4 Change in physical state Melting point is > 465oC (>869oF)

9.5 Vapour pressure Not applicable

9.6 Viscosity Not applicable

9.7 Solubility 63% at 25oC

9.8 pH Value 8.7 - 9.4 in 1% Solution at 20o C

9.9 Flash point Not applicable

9.10 Ignition temperature Does not burn or help other materials to burn

9.11 Explosion limits Not relevant

### ***SECTION 10: STABILITY AND REACTIVITY***

10.1 Thermal decomposition Loses water, finally forming Tetrapotassium Pyrophosphate

10.2 Hazardous thermal decomposition products

None

10.3 Hazardous reactions None

### ***SECTION 11: TOXICOLOGICAL INFORMATION***

11.1 No LD50 / LC50 information found relating to normal routes of occupational exposure.

#### ***SECTION 12: ECOLOGICAL INFORMATION***

12.1 Ecological effects No information found

#### ***SECTION 13: DISPOSAL CONSIDERATIONS***

13.1 Sweep up spillage and recover/recycle if possible. Otherwise place in a fiber keg or paper sack and dispose of as industrial waste.

#### **MATERIAL SAFETY DATA SHEET**

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#### ***SECTION 14: TRANSPORT INFORMATION***

14.1 Not classified as a substance hazardous for transport.

#### ***SECTION 15: REGULATORY INFORMATION***

15.1 Not classified as a substance hazardous for supply

#### ***SECTION 16: OTHER INFORMATION***

16.1 This product may be used in the following applications

16.1.2 Used as additive in the coffee creamers

16.1.3 Used in antifreezing solutions as buffer

16.1.4 Used as an additive in cheese processes.

16.1.5 Used as nutrient of penicillin culturing

16.1.6 Sequestrant and also used as a dispersion medium in liquid detergents

16.1.7 Ingredient of fertilizer

DISCLAIMER: Every endeavor has been made to ensure that the information contained in this leaflet reliable but we

cannot accept liability for any loss, injury or damage which may result from its use. Data given in this Material Safety

Data Sheet are solely for guidance in safe handling and use of the product (s) by customers. They do not form part of

any specification. Any liability is not acceptable since application of this product is not in our control.