

MATERIAL SAFETY DATA SHEET

SECTION 1: CHEMICAL PRODUCT & COMPANY IDENTIFICATION

1.1 Product Detail	
1.1.1 Product name	DIPOTASSIUM PHOSPHATE
1.1.2 Chemical name	Dipotassium Phosphate
1.1.3 Chemical formula	$K_2HPO_4 + 3H_2O$
1.2 Company	SPE Chemicals Co., Ltd Tel: +86-21 51386314

SECTION 2: COMPOSITION

2.1 Ingredients	Dipotassium Phosphate $K_2HPO_4 + 3H_2O$
2.2 CAS Number	7758-11-4

SECTION 3: HAZARDS

3.1 No known hazards

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

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.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1 Regulations	Permissible Exposure Limit (PEL): 15m/m ³ ; respirable fraction for nuisance dusts.
8.2 Air contamination limits	None listed

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Form	Crystal
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
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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.
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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
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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
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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 it 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.
