

MATERIAL SAFETY DATA SHEET

TETRASODIUM PYROPHOSPHATE (TSPP)

SECTION 1: CHEMICAL PRODUCT & COMPANY IDENTIFICATION

1.1 Product Details	
1.1.1 Product name	TETRASODIUM PYROPHOSPHATE
1.1.2 Chemical name	Tetrasodium Pyrophosphate
1.1.3 Chemical formula	Na ₄ P ₂ O ₇
1.2 Company	Aditya Birla Chemicals 77 Moo 6 Soi Sukhaphiban 1, Poochao Saming Prai Road, Samrong, Phrapradaeng, Samutprakarn 10130 Telephone : +66 (0) 2396 1715-6, 2748 5173 – 4 Fax : +66 (0) 2398 0774 E-mail: mktg@thaipoly.co.th website: www.thaipoly.com
1.3 Emergency	Telephone: +66 (0) 2396 1715 - 6, 2748 5173 –4

SECTION 2: COMPOSITION

2.1 Ingredients	Tetrasodium Pyrophosphate
2.1 CAS No.	7722-88-5

SECTION 3: HAZARDS

3.1 No known hazards

SECTION 4: FIRST AID MEASURES

4.1 Eye Contact	Wash with water
4.2 Skin contact	None required
4.3 Inhalation/ingestion	If any symptoms following 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.

MATERIAL SAFETY DATA SHEET

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Sweep up spillage and recover/recycle if possible. Otherwise place in paper or plastic sacks and dispose of as industrial waste.
--

SECTION 7: HANDLING & STORAGE

7.1 Handling	No special precaution required.
7.2 Storage	Protect from contamination. Store in original, unopened packages in clean, cool, dry place. Store one pallet high to avoid compaction.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1 Regulations	None
8.2 Air contamination limits	None listed

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Form	Powder or Granule
9.2 Colour	White
9.3 Odour	None
9.4 Change in Physical State	Melts above 950°C
9.5 Bulk Density	1.0 g / ml
9.6 Vapour pressure	Not applicable
9.7 Viscosity	Not applicable
9.8 Solubility	5.5 g/100 g water at 20°C 24.6 g/100 g water at 60°C
9.9 pH Value	10.4 at 20°C (1% solution)
9.10 Flash point	Not applicable
9.11 Ignition temperature	Does not burn
9.12 Explosion limits	Not relevant

SECTION 10: STABILITY AND REACTIVITY

10.1 Thermal Decomposition	Melts above 950°C
10.1 Hazardous thermal decomposition products	None
10.2 Hazardous reactions	None

MATERIAL SAFETY DATA SHEET

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 The food grade standard of the product has been used as a food additive for many years.
--

SECTION 12: ECOLOGICAL INFORMATION

12.1 Ecological effects	May act as a plant nutrient and promotes eutrophication.
-------------------------	--

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Sweep up spillage and recover/recycle if possible. Otherwise place in paper or plastic sacks and dispose of as industrial waste.

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 food processing applications:
--

16.1.1 As a constituent of phosphate mixes used in the preparation of products such as hamburgers and sausages.

16.1.2 As a constituent of emulsifying - salt blends used in the manufacture of processed cheese.

16.1.3 In solutions for the immersion - treatments of seafoods to control yield and modify texture.

16.1.4 As a general buffer, sequestrant and stabilizing agent in dairy products and other foodstuffs
--

MATERIAL SAFETY DATA SHEET

16.2 This product may be used in the technical applications:

16.2.1 Soap powders and synthetic detergents - improves resistance to hard water. It is also incorporate in both soap powders and synthetic detergents to stabilize sodium perborate and minimize the risk of oxidative damage to fabrics.

16.2.2 Alkaline detergents for bottle washing etc. - utilized in detergent mixes. Consisting mainly of alkalis to assist in the prevention of precipitation of insoluble salts from hard water.

16.2.3 Textiles - utilised in the degumming of silk and the removal of calcium alginate linking stitches in hosiery manufacture.

16.2.4 Other important uses - Processing aid for china clays, oil - well muds, deflocculation in ceramics manufacture, dispersion of pigments in emulsion paints, complexing agent in plating baths, paper - coating compositions, paper tissue manufacture, dispersant in latex manufacture, and stabiliser in peroxide bleaching (textiles)

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.