

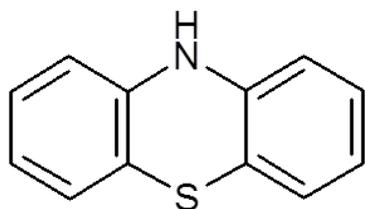


Product Data Sheet APF PDS PTZ PRILL – May 2024

PTZ Phenothiazine Prill

PTZ® Phenothiazine is an aromatic amine based product that exhibits broad activity as an inhibitor, antioxidant and short-stopping agent in a variety of diverse applications. The prill form offers optimal product handling and safety.

Identification:



N°CAS: 92-84-2
SYNONYM: Dibenzothiazine Thiodiphenylamine

EMPIRICAL FORMULA: C₁₂H₉NS
MOLECULAR WEIGHT: 199.26 g/mol

Applications:

- In process inhibitor and stabilizer for manufacturing acrylic acids, esters and monomers (AA, AE, MMA, MAA,...), chloroprene monomer/neoprene polymer, styrene and other vinylic monomers
- Antioxidant in synthetic lubricants and oils, polyols for polyurethanes and polyester and vinyl ester resins
- Short-Stopping agent for runaway polymerizations of acrylic acid, ester and monomer
- May be used as starting raw material to be chemically transformed by pharmaceutical industries. As such the product is sold as a technical grade and is not produced under cGMP conditions.

Specifications:

CHARACTERISTICS	LIMITS	METHODS
Appearance and color	Yellow prills	Visual
Assay	99.6% min	GC
Melting point	184°C min	Capillary
	> 500 microns (98% min)	Sieve screen





Physico Chemical Properties:

Boiling point.....	371°C
Flash point (closed cup).....	>110°C
Bulk density.....	0.74-0.77 g/cc
Specific gravity @ 20°C.....	1.3

Solubility at 25°C (gms PTZ/100 ml Solvent)

Acetone.....	19
Acrylic acid.....	1.5
Ethanol.....	1
Ethyl Acetate.....	10
Ethyl amyl ketone.....	15
Isopropanol.....	1
Methyl Methacrylate.....	6.5
Styrene Monomer.....	2.5
NaOH (10 % Soln).....	Nil
Water.....	Nil

Shelf Life:

The product is guaranteed for **36 months** from its manufacture date. The product should be stored in its original packaging in a cool dry environment and away from direct sunlight.

Packaging:

50 lb and 25 kg paper bags
250 lb fiber drums
200, 225, 300, 400 and 700 kg
supersacks (big bags)

Transport:

Regulated. Environmentally hazardous substance. For more details please consult our Safety Data Sheet.





Regulatory Status:

PTZ Phenothiazine Prill has been EU REACH registered. The registration number is : 01-2119488529-19-0006.

PTZ Phenothiazine Prill is listed on the following chemical inventories: TSCA (USA), AIIC (Australia), DSL (Canada), IECSC (China), EINECS (EU), ENCS & ISHL (Japan), NZIoC (New Zealand), TCSI (Taiwan), PICCS (Philippines).

MARKET	KEY WORDS	REFERENCES	COMMENTS
Starting raw material for pharmaceutical industries (*)	Residual metal catalysts	ICH Q3D(R2) EMA/CHMP/ICH/353369/2013	No metal catalysts are used in the manufacturing process.
	Residual solvents	ICH Q3D(R6) EMA/CHMP/ICH/82260/2006	No class I , II or III solvents are used in the manufacturing process.
	GMO	Commission Regulation (EC) N°1830/2003 and N°1829/2003	The product is not concerned as it is exclusively produced by full chemical synthesis.
	BSE/TSE	Commission Regulation (EC) N° 999/2001/EC	The product is not concerned as it is exclusively manufactured by full chemical synthesis and contains no ingredients of animal origin and no material derivative from or exposed to animals.

(* as per definition in ICH Q7, chapter 1.3 Scope)

