



# SUDEEP PHARMA LTD

129/1/A, GIDC, NANDESARI, DIST. BARODA (INDIA)

## MATERIAL SAFETY DATA SHEET

CHEMICAL NAMES AND SYNONYMS :  
**TRI CALCIUM PHOSPHATE**

CHEMICAL FORMULA :  
Ca<sub>3</sub>(PO<sub>4</sub>)<sub>2</sub>

CAS NUMBER : **12167-74-7**

USE OR DESCRIPTION :  
ABRASIVES, PHARMACEUTICALS

MOLECULAR WEIGHT :  
310.2

\*\*\*\*\* TYPICAL CHEMICAL AND PHYSICAL PROPERTIES \*\*\*\*\*

APPEARANCE : VISCOSITY : AT 100 Deg F, SUS AT 40 Deg Cent, CS  
WHITE POWDER NA NA

ODOUR : VISCOSITY : AT 210 Deg F, SUS AT 100 Deg Cent., CS  
ODOURLESS NA NA

RELATIVE DENSITY : 13/4 Deg. Cent. SOLUBILITY IN WATER : PH : (20% SLURRY)  
0.55G/ML INSOLUBLE 5.0 TO 7.0

MELTING POINT : F(C) FOUR POINT : F(C)  
NE NA

BOILING POINT : F(C) FLASH POINT : F(C) (METHOD)  
NE NOT FLAMMABLE

VAPOUR PRESSURE : MM HG 20 Deg, Cent.  
NA

NA = NOT APPLICABLE NE=NOT ESTABLISHED D=DECOMPOSES

\*\*\*\*\* INGREDIENTS \*\*\*\*\*

	WT PCT	PEL	TLV(TWA)
	(APPROX)	MG/M3 PPM	MG/M3 PPM

HAZARDOUS INGREDIENTS

NONE NA NA NA NA

NOTE : TLVS SHOWN FOR GUIDANCE ONLY. FOLLOW APPLICABLE REGULATIONS. GIVEN INFORMATION IS PROVIDED IN GOOD FAITH, AS ACCURATELY AS POSSIBLE BUT WITH NO GUARANTEE. CONDITIONS OF USAGE AND SUITABILITY OF THE PRODUCT FOR PARTICULAR USES ARE BEYOND OUR CONTROL; ALL RISKS OF USE OF THE PRODUCT ARE THEREFORE ASSUMED BY THE USER AND WE EXPLICITLY DISCLAIM ALL WARRANTIES OF EACH KIND AND NATURE, INCLUDING WARRANTIES OF MERCHA- NTABILITY AND FITNESS FOR A SPECIFIC PURPOSE WITH REGARD TO THE USE OR SUITABILITY OF THE PRODUCT. NOTHING IS INTENDED AS A RECOMMENDATION FOR USES WHICH INFRINGE VALID PATENTS OR AS EXTENDING LICENSE UNDER VALID PATENTS. APPROPRIATE WARNINGS AND SAFE HANDLING PROCEDURES SHOULD BE PROVIDED TO HANDLERS AND USERS.



**WASTE MANAGEMENT :**

DISPOSE OF WASTE BY SUPERVISED INCINERATION IN COMPLIANCE WITH APPLICABLE LAWS AND REGULATIONS. DISPOSE OF WASTE AT AN APPROPRIATE WASTE DISPOSAL FACILITY IN ACCORDANCE WITH CURRENT APPLICABLE LAWS AND REGULATIONS, AND PRODUCT CHARACTERISTICS AT TIME OF DISPOSAL.

\*\*\*\*\* **SPECIAL PROTECTION INFORMATION** \*\*\*\*\*

**EYE PROTECTION :**

CHEMICAL TYPE GOGGLES SHOULD BE WORN.

**SKIN PROTECTION :**

PROTECTIVE CLOTHING SUCH AS LAB COATS, COVERALLS OR UNIFORMS SHOULD BE WORN FOR ROUTINE HANDLING.

**RESPIRATORY PROTECTION :**

PRODUCT IS A RESPIRABLE DUST, THE APPROPRIATE DUST RESPIRATOR SHOULD BE WORN IN DUSTY ENVIRONMENT.

**VENTILATION :**

NO SPECIAL PROTECTION IS REQUIRED UNDER ORDINARY USE. AVOID USE IN CONFINED SPACES.

**OTHER :**

PRIMARY ROUTE OF ENTRY - INHALATION.

\*\*\*\*\* **SPECIAL PRECAUTIONS** \*\*\*\*\*

**HANDLING :**

AVOID ACCUMULATION AND BREATHING OF DUSTS.

**STORAGE :**

NO SPECIAL PRECAUTIONS. RESEAL OPENED CONTAINERS.

**STORED MATERIALS MUST BE LABELLED AS :**

**TRI CALCIUM PHOSPHATE**

THIS PRODUCT IS CLASSIFIED AS NOT RESTRICTED BY DOT.

\*\*\*\*\* **HEALTH HAZARD DATA** \*\*\*\*\*

**ACUTE HEALTH HAZARDS :**

NE : POSSIBLE RESPIRATORY, SKIN AND EYE IRRITANT FOR DRY POWDER.

**CARCINOGENICITY :**

LISTED : NIPP NO 1ARC MONOGRAPHS ? NO OSHA REGULATED ? NO

**SIGNS AND SYMPTOMS OF EXPOSURE :**

NE : POTENTIAL RESPIRATORY, SKIN AND EYE IRRITATION.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE :

NONE KNOWN  
SUBACUTE AND MUTAGENICITY (SUMMARY)

NE  
CHRONIC OR SPECIALIZED (SUMMARY)

NE  
TARGET ORGAN EFFECTS

EYE, SKIN, RESPIRATORY TRACT IRRITATION.

OTHER DATA  
NE

**TRI CALCIUM PHOSPHATE**

\*\*\*\*\* WARNING STATEMENTS \*\*\*\*\*

WARNING : ALL PHOSPHORUS COMPOUNDS MAY BE REASONABLY EXPECTED TO CONTAIN ARSENIC AND POSSIBLE CADMIUM AND/OR LEAD IN CONCENTRATIONS RANGING FROM A FEW PARTS PER BILLION TO FEW PARTS PER MILLION.

HAZARD WARNING : THERE IS A POSSIBILITY BICYCLIC PHOSPHATES OR PHOSPHITES CAN BE PRODUCED AS A RESULT OF THE THERMAL DECOMPOSITION OF THIS PRODUCT IN COMBINATION WITH TRIMETHYLOL PROPANE, TRIMETHYLOL PROPANE DERIVED PRODUCTS OR THEIR CORRESPONDING TRIMETHYLOL ALKANE HOMOLOGS. BICYCLIC PHOSPHATES AND PHOSPHITES ARE A CLASS OF MATERIALS WITH ACUTE NEUROTOXIC PROPERTIES WHICH PRODUCE CHARACTERISTIC CONVULSIVE SEIZURES IN TEST ANIMALS. THEREFORE, THIS PRODUCT SHOULD NOT BE USED IN CONJUNCTION WITH TRIMETHYLOL PROPANE OR TRIMETHYLOL PROPANE DERIVED PRODUCTS.

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