



SUDEEP PHARMA LTD

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

MATERIAL SAFETY DATA SHEET

CHEMICAL NAMES AND SYNONYMS :

DI CALCIUM PHOSPHATE DIHYDRATE

CAS NUMBER: **7789-77-7**

USE OR DESCRIPTION :

ABRASIVES, PHARMACEUTICALS

CHEMICAL FORMULA :

CaHPO₄.2H₂O

MOLECULAR WEIGHT :

172.09

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

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

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)
0.88G/ML INSOLUBLE 7.2

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 *****

HAZARDOUS INGREDIENTS	WT PCT (APPROX)	PEL MG/M3	TLV(TWA)	
			PPM	MG/M3 PPM
NONE		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 MERCHANTABILITY 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.

DI CALCIUM PHOSPHATE DIHYDRATE

***** FIRE AND EXPLOSION HAZARD DATA *****

FLASH POINT : F(C) (METHOD) FLAMMABLE LIMITS : LEL UEL
NOT FLAMMABLE NA NA

EXTINGUISHING MEDIA :

GOVERNED BY OTHER MATERIALS PRESENT.

SPECIAL FIRE FIGHTING PROCEDURES :

AS IN ANY FIRE SITUATION, THE USE OF SELF-CONTAINED BREATHING APPARATUS IS RECOMMENDED.

UNUSUAL FIRE AND EXPLOSION HAZARDS :

NONE

***** EMERGENCY AND FIRST AID PROCEDURES *****

EYE CONTACT :

FLUSH WITH FLOWING WATER FOR ATLEAST 15 MINUTES AND SEEK MEDICAL ASSISTANCE IF IRRITATION PERSISTS.

SKIN CONTACT:

BRUSH PRODUCT FROM SKIN SURFACE AND WASH CONTACT AREAS WITH SOAP AND WATER.

INHALATION :

REMOVE FROM FURTHER EXPOSURE. ADMINISTER OXYGEN IF RESPIRATORY DISCOMFORT PERSISTS.

INGESTION :

RINSE MOUTH OUT WITH WATER. DO NOT INDUCE VOMITING. DRINK LARGE AMOUNT OF WATER AND SEEK MEDICAL ATTENTION.

***** REACTIVITY DATA *****

STABILITY : (THERMAL, LIGHT ETC.) CONDITIONS TO AVOID :

STABLE

INCOMPATIBILITY : (MATERIALS TO AVOID)

NONE

HAZARDOUS DECOMPOSITION PRODUCTS :

OXIDES OF PHOSPHORUS - ONLY IF COMBUSTED

HAZARDOUS POLYMERIZATION CONDITIONS TO AVOID :

WILL NOT OCCUR NE

***** SPILL OR LEAK PROCEDURE *****

ENVIRONMENTAL IMPACT :

REPORT SPILLS AS REQUIRED TO APPROPRIATE AUTHORITIES.

PROCEDURES IF MATERIAL IS RELEASED OR SPILLED :

ABSORB ON FIRE RETARDANT TREATED SAWDUST, DIATOMACEOUS EARTH, ETC. SCRAPE UP AND REMOVE. DISPOSE OF AT AN APPROPRIATE WASTE DISPOSAL FACILITY IN ACCORDANCE WITH CURRENT APPLICABLE LAWS AND REGULATIONS, AND PRODUCT CHARACTERISTICS AT TIME OF DISPOSAL.

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 :

DI CALCIUM PHOSPHATE DIHYDRATE

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

DI CALCIUM PHOSPHATE DIHYDRATE

***** 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.
