

Anurang Zinc Phosphate ZP - 84

Version No 2.0 / Issue Date : 10.10.2018

SECTION 1 : IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

1.1 Product Identifier

Product name	Anurang Zinc Phosphate ZP -84
Chemical Type	Zinc Phosphate
C.I. Name	Pigment White 32
C.I. Number	77964
CAS number	7779-90-0
EINECS /ELINCS NO	231-944-3

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses	Anti -corrosive Pigments for Paints & Coating Industry.
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1.3 Details of the manufacturer/importer

Registered company Name	Anupam Colours Private Limited
Address	103/105,Kaveri Commercial Premises, Jagannath Mandir Road, Sakinaka Junction, Mumbai-400072
Telephone	+91 22 28518120
Website	www.anupamcoloursacpl.com
Email	info@anupamcoloursacpl.com

1.4 Emergency telephone number

Emergency Telephone Number	+91 22 28518120
Other emergency telephone numbers	+91 260 2410611

SECTION 2 : HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

GHS Classification	Classification according to Regulation (EC) 1272/2008 (EU 'CLP' regulation) and GHS - Acute aquatic toxicity (category 1) / Chronic aquatic toxicity (category 1)
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2.2 Label elements

GHS label elements	Data is not available
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2.3 Others Hazards

Precautionary Statement	Harmful if swallowed / May cause an allergic skin reaction
Precautionary Statement	Fatal if inhaled / May cause respiratory irritation
Precautionary Statement	May cause genetic defects / May cause cancer / Suspected of damaging fertility or the unborn child.

SECTION 3 : COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances

CAS No	Chemical Name / Structure	C.I. Name
7779-90-0	Zn ₃ (PO ₄) ₂	C. I. Pigment White 32

3.2 Mixtures

See section above for composition of Substances

SECTION 4 : FIRST AID MEASURES

4.1 Description of first aid measures

On Contact with Eyes	Wash affected eyes for at least 15 minutes under running water with eyelids held open. If irritation continues, seek medical attention
On Skin Contact	Wash thoroughly with soap and water. Seek medical attention in event of irritation
If inhaled	If difficulties occur after dust has been inhaled, move to fresh/ open air and seek medical attention.
On Ingestion	Rinse mouth and then drink plenty of water, Seek medical attention in event of irritation

4.2 Most Important symptoms and effects, both acute and delayed

Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing Media	Water, Mist , Foam , Extinguishing powder Carbon Di Oxide.
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5.2 Special hazards arising from the substrate or mixture

Harmful Vapours	The substances / groups of substances mentioned can be released in case of fire.
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5.3 Advice for firefighters

Fire Fighting	Wear breathing apparatus plus protective gloves in the event of a fire. Prevent spillage from entering drains or water courses.
Fire/Explosion Hazard	After combustion likely chances of gases like oxides of carbon and nitrogen may emit noxious and toxic fumes.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions / Protection	Avoid dust formation. Use personal protective clothing.
6.2 Environmental Precautions	Contain contaminated water / fire fighting water . Do not discharge in to drains / surface waters / ground water.
6.3 Methods and Material for containment and cleaning up	For Small Amounts: Pick up with suitable appliance and dispose of. For Large Amounts: Contain with dust binding material and dispose of . Avoid raising dust.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe Handling	Breathing must be protected when large quantities are decanted without proper exhaust and ventilation.
7.2 Fire and Explosion Precautions	Keep away from open fire and sources of ignition.
7.3 Conditions for safe storage, including any incompatibilities	Further information on storage conditions: Keep container tightly closed dry; store in a cool place.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control Parameters

O.E.L.	Components with occupational exposure Limits : Data Not available
T.E.E.L. - 0	Data is not available
T.E.E.L. - 1	Data is not available
T.E.E.L. - 2	Data is not available
T.E.E.L. - 3	Data is not available

8.2 Personal Protection

Eye & Face Protection	Use Safety glasses with side shields.
Skin Protection	Impervious Gloves (PVC / Rubber)
Respiratory Protection	Avoid inhalation of dust. Dust mask recommended.
General Protection	Store / Handle / use in accordance with good industrial hygiene practices.
Other Protection	No special equipment needed when handling small quantities.

SECTION 9: PHYSICAL AND CHEMICALS PROPERTIES

9.1 Information on basic Physical and Chemical Properties

Form	Powder
Colour	White Powder
Odour	Odourless
Odour threshold	Not Available
pH Value	6.0-9.0 (As suspension)
Melting Point (°c)	Not Known
Freezing Point (°c)	Not Known
Boiling Point & Boiling Range (°c)	Not Applicable
Upper Explosion Limit	For Solids not relevant for classification and labelling
Lower Explosion Limit	For Solids not relevant for classification and labelling
Ignition Temperature	Not determined
Vapour Pressure	Not applicable
Viscosity (Cst)	Not applicable
Flash Point (°c)	Not Available
Evaporation Rate	Not Available
Bulk Density (Gm/ ML)	0.59 ±0.10

9.2 Others Information

Self Heating ability	It is not a substance capable of spontaneous heating according to UN transport regulations Class 4.2
Hygroscopy	Non -hygroscopic nature

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	No Hazardous reactions if stored and handled as prescribed / indicated
10.2 Chemical Stability	The product is stable if stored and handled as prescribed / indicated
10.3 Possibility of Hazardous reactions	Dust explosion hazard
10.4 Conditions to avoid	Avoid dust formation. Avoid deposition of dust. Avoid sources of ignition. Avoid electro-static discharges.
10.5 Incompatible Materials	Substance to avoid : No Substances known that should be avoided
10.6 Hazardous Decomposition Products	Refer section No.5

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Acute Toxicity	LD 50 rat (Oral) : 3118 mg/kg LC50 rat (Intratracheal) : 16.60 mg / Kg LC50 (Mammal / unspecified species) : > 1500 mg / kg
11.2 Irritation / Eye damage	No Information Available
11.3 Ingestion	No Information available
11.4 Respiratory/ Skin Sensitization	Skin sensitizing effects were not observed in animal studies.
11.5 Mutagenicity	Data is not available to make classification
11.6 Carcinogenicity / IARC	No Information available
11.7 Carcinogenicity / ACGIH	No Information available
11.8 Carcinogenicity / MEXICO	No Information available
11.9 Reproductivity	Skin sensitizing effects were not observed in animal studies.
11.10 STOT – Single Exposure	Data is not available to make classification.
11.11 STOT – Repeated Exposure	Data is not available to make classification.
11.12 Aspiration Hazard	Data is not available to make classification.
11.13 Endocrine Disruptor Information	No Information available

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity -

12.1.1 Ecotoxicity	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. The product contains following substances which are hazardous for the environment. May cause long-term adverse effects in the environment. Do not allow material to contaminate ground water system
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12.2 Persistence and degradability :

12.2.1 Persistence : Water / Soil	Based on information available . May persist.
12.2.2 Persistence : Air	Based on information available . May persist

12.3 Bioaccumulative Potential : Significant accumulation in organisms is not to be expected.

12.3.1 Bioaccumulative potential	No Data available for all ingredients
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12.4 Mobility in Soil :

12.4.1 Mobility in Soil	Will likely be mobile in the environment due to its water solubility
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SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Methods : Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

SECTION 14: TRANSPORT INFORMATION

14.1 UN - ADR	UN 3077
14.2 UN-IMDG	UN 3077
14.3 UN -IATA	UN 3077
14.4 UN-ADN	UN 3077
14.4 UN-RID	UN 3077
14.5 Proper Shipping Name - ADR	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.
14.6 Proper Shipping Name -IMDG	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.
14.7 Proper Shipping Name -IATA	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.
14.8 Proper Shipping Name -ADN	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.
14.9 Proper Shipping Name -RID	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.
14.10 Transport Documents Description - ADR	UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S., 9, III, (E)
14.11 Transport Documents Description - ADR	UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S., 9, III, MARINE POLLUTANT.
14.12 Transport Documents Description - ADR	UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S., 9, III, (E)
14.13 Transport Documents Description - ADR	UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S., 9, III, (E)
14.14 Transport Documents Description - ADR	UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S., 9, III, (E)

SECTION 15: REGULATORY INFORMATION

Safety, health and environmental regulations/ legislation specific for the substance or Mixture: At present data is not available with us. To our present knowledge the product is not a substance subject to mandatory marking in accordance with EEC-Directive 67/548/EEC and 93/72/EEC..

SECTION 16: OTHER INFORMATION

The data provided in this document (Material Safety Data Sheet) are based on our current knowledge / experience and describe the product only with regard to safety requirement. This Material safety data sheet is neither a certificate of Analysis (COA) nor technical specification data sheet. The information provided in Material safety data sheet are for guidance of ie user and verification under actual conditions is recommended.
