



MATERIAL SAFETY DATA SHEET

SECTION:I - MATERIAL IDENTIFICATION AND USE				
MATERIAL NAME : APCOSHIELD Ex 400, Ex 405SG, Ex 410SG, Ex 420SG, Ex 440S, Ex 440T, Ex 430M, Ex 470, EPM, EPT, EPG, EPM(S), EPZ				
MANUFACTURER'S NAME: ASIAN PAINTS INDUSTRIAL COATINGS LIMITED		SUPPLIER'S NAME: ASIAN PAINTS INDUSTRIAL COATINGS LIMITED		
Street Address : 6A, SHANTINAGAR, SANTACRUZ (E)		Street Address : 6A, SHANTINAGAR, SANTACRUZ (E)		
City : MUMBAI	State : MAHARASHTRA	City : MUMBAI	State : MAHARASHTRA	
Postal code: 400 055	Emergency Tel No.: 91 22 56958000	Postal code: 400 055	Emergency Tel No.: 91 22 56958000	
Commercial Name: Apcoshield ex 400 series Hawcoplast EP series		Chemical Name: Epoxy		
Trade Name and Synonyms: -		Product Use: PAINTING		
SECTION:II – HAZARDOUS INGREDIENTS OF THE MATERIAL				
Hazardous Ingredients	Approx. %	CAS No. U N No.	L D 50 Specify species and route)	L C 50 Specify species and route)
1.BARIUM SULPHATE	10 - 20	7727-43-7	<15000 mg/kg	
2.FILM FORMERS, RESINS, ADDITIVES	50 – 60	NOT ESTABLISHED	--	
3.TITANIUM DIOXIDE	0 – 20	13463-67-7	> 24000 mg/Kg	
SECTION:III – PHYSICAL DATA FOR THE MATERIAL				
Physical state: SOLID		Odour and Appearance: NOT APPLICABLE		Odour Threshold(ppm): NOT APPLICABLE
Specific Gravity: 1.2 – 1.7		Vapour Pressure (mm): NOT APPLICABLE		Vapour Density (Air=1): NOT APPLICABLE
Evaporation rate: NOT APPLICABLE		Boiling Point(°C): NOT APPLICABLE		Freezing (°C): NOT APPLICABLE
Solubility in Water: INSOLUBLE		pH : NOT APPLICABLE		Density: (gm / ml) 0.8 – 1.1
				Co-efficient of Water / Oil distribution: NOT APPLICABLE



SECTION:IV - FIRE AND EXPLOSION HAZARD OF MATERIAL		
Flammability : Yes/No. If yes, under what conditions: Yes. 1. IN PRESENCE OF OPEN FLAME, SPARK OR OTHER IGNITION SOURCE 2. UNDER VERY HIGH TEMPERATURES		
Means of Extinction : 1. CARBON DIOXIDE 2. FOAM EXTINGUISHER		
Flash point (°C) NOT APPLICABLE	Upper Explosive Limits (% by volume) 2-3 KG/CUBIC METER	Upper Explosive Limits (% by volume) 30 MG/CUBIC METER
Auto-ignition (°C)Temperature: NOT AVAILABLE	TDG Flammability Classification: NOT AVAILABLE	Hazardous Combustion Products: NOT AVAILABLE
Explosion data: (Sensitivity to Chemical Impact) NOT APPLICABLE	Sensitivity to Static Discharge: RECOMMENDED TO SUITABLY GROUND CONTACT METAL PARTS	
SECTION:V – REACTIVITY DATA		
Chemical Stability: Yes/No (If no, under what conditions)	YES	
Incompatibility with Other Substances: Yes/No	AMINES, BASES, ACIDS, MERCAPTANS	
Reactivity and under what conditions:	NON-REACTIVE UNDER AMBIENT CONDITIONS	
Hazardous Decomposition Products:	INCOMPLETE COMBUSTION CAN YIELD CARBONMONOXIDE AND DIOXIDE, ACIDS AND ALDEHYDES	
Material Name/Identifier:	NOT AVAILABLE	
SECTION:VI – TOXICOLOGICAL PROPERTIES OF MATERIAL		
Route of entry Skin Contact: NON HAZARDOUS	Skin Absorption: NOT APPLICABLE	Eye Contact: IRRITATION
Inhalation Acute: NOT AVAILABLE	Inhalation Chronic: NOT AVAILABLE	Ingestion: NOT AVAILABLE
Effects of Acute Exposure:	NOT AVAILABLE	
Effects of Chronic exposure to material: NOT AVAILABLE		
NOT AVAILABLE Exposure Limits		NOT AVAILABLE Irritancy of Material
Sensitization to Material: NOT AVAILABLE	Carcinogenicity,Reproductive Effects, Teratogenicity,Mutagenicity: NOT AVAILABLE	
Synergistic to Material:	NOT APPLICABLE	



SECTION:VII – PREVENTIVE MEASURES		
PERSONAL PROTECTIVE EQUIPMENT		
Gloves: PLASTIC	Respiratory: FACE MASK	Eyes: PROTECTIVE GLASSES
Foot ware: INDUSTRIAL CONDUCTIVE SHOES	Clothing: NORMAL COTTON CLOTHING	Other: NIL
Engineering control (e.g. Ventilation, enclosed process etc.)⊗please specify) ADEQUATE VENTILATION, DUST CONTROL DURING USE RECOMMENDED		
Leak and Spill Procedure : COLLECT INTO TRAY OR VACCUM CLEAN		
Waste Disposal : INCINERATE OR BURY IN NOTIFIED AREA		
Handling Procedures } NORMAL and Equipment }		
Storage Requiements : AT AMBIENT IN A SHADED AND VENTILATED LOCATION AND AWAY FROM SOURCE OF IGNITION OR FIRE.		
Special Shipping Inforamtion: NIL		
SECTION:VIII – FIRST AID AND MEASURES		
First Aid Measures EYE CONTACT : Flush with plenty of water for at least 15 Mints and seek medical attention. SKIN CONTACT : Wash with water + soap .		
INGESTION : Seek medical attention.		
INHALATION : Seek medical attention		
Sources used : MATERIAL SAFETY DATA SHEETS – ICMA BOMBAY		
Additional Information : NUISANCE DUST MAY CAUSE CELLULAR RESPONSE IN LUNGS		



SECTION:IX - DATE OF PREPARATION OF MATERIAL SAFETY DATA SHEET

Prepared By : TECHNICAL FUNCTION POWDER COATING DEVELOPMENT GROUP
Phone No. : 5644191 Date : 21/01/2002

SECTION:X - DISCLAIMER

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RELEASED BY :

APPROVED BY :

TECHNICAL EXECUTIVE

GENERAL MANAGER - TECHNOLOGY

ASIAN PAINTS INDUSTRIAL COATINGS LIMITED