

MATERIAL SAFETY DATA SHEET

SECTION 1: PRODUCT IDENTIFICATION

MANUFACTURERS ADDRESS : MODERN SAK FACTORY FOR POWDER PAINT
RIYADH, SAUDI ARABIA
MFG TELEPHONE NUMBER : 00966 – 1 - 8102849
CHEMICAL NAME OF FAMILY : EPOXY POLYESTER / PURE POLYESTER /
PURE EPOXY
FORMULA : NOT APPLICABLE
TRADE NAME : SAK Coat

SECTION 2: HAZARDOUS INGREDIENTS

Common (NA)	Chemical Name	Approx. Weight	TLV TWA 10.00 MG/CU M TLS STEL NOT ESTAB
CAS: 13463-67-7	TITANIUM DIOXIDE	Up to 30%	OSHA PEL 15.00 UNITS ECEILING NOT ESTAB RECOMMD NOT ESTAB
CAS: 112926-008	AMORPHOUS SILICA GEL	1%	OSHA PEL 6.00 MG/CU M ECEILING NOT ESTAB RECOMMD NOT ESTAB

SECTION 3: PHYSICAL DATA

Physical Properties	Remarks
BOILING POINT DEG F	NA
VAPOR PRESSURE MM HG AT DEG F	NA
VAPOR DENSITY (AIR = 1.0)	NA
SPECIFIC GRAVITY	1.6 – 1.8
PERCENT VOLATILE BY VOLUME	0.00
EVAPORATION RATE (BUTYL ACETATE = 1)	NA
SOLUBILITY IN WATER	NA
APPEARANCE AND ODOR	POWDER WITH NO DISTINCT ODOR

MATERIAL SAFETY DATA SHEET

SECTION 4: FIRE AND EXPLOSION HAZARD

DESCRIPTION	REMARKS
FLASH POINT ICC / PM DEG F	DECOMPOSES WITHOUT FLASHING
LOWER EXPOLOSIVE LIMIT	NA
UPPER EXPLOSIVE LIMIT	NA
EXTINGUISHING MEDIA	CARBON DIOXIDE, DRY CHEMICAL, FOAM, AND / OR WATER FOG
SPECIAL FIRE FIGHTING PROCEDURES	FIRE FIGHTERS MUST WEAR SELF CONTAINED BREATHING APPARATUS OR AIR MASKS
UNUSUAL FIRE AND EXPLOSIVE HAZARDS	REFER TO NFPA 1977 EDITION OF 33 CHAPTER 13 ORGANIC SOLIDS DUST WHEN SUSPENDED IN AIR IN THE CORRECT RATIO IS FLAMMABLE

SECTION 5: HEALTH HAZARD DATA

DESCRIPTION	REMARKS
THRESHOLD LIMIT VALUE	NOT REQUIRED FOR MIXTURE
EFFECTS OF OVEREXPOSURE	OVEREXPOSURE TO INGREDIENTS IN THIS PRODUCT MAY CAUSE NOSE AND THROAT
IMMEDIATE EFFECTS (ACUTE)	IRRIATATION, EYE IRRITATION, SKIN IRRITATION
DELAYED EFFECTS (CHRONIC)	NOT KNOWN
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE	NOT KNOWN

EMERGENCY AND FIRST AID PROCEDURES

DESCRIPTION	REMARKS
EYE CONTACT	FLASH IMMEDIATELY WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES AND GET MEDICAL ATTENTION
SKIN CONTACT	WASH THOROUGHLY WITH SOAP AND WATER
CLOTHING	REMOVE CONTAMINATED CLOTHING AND SHOES, WASH CLOTHING BEFORE REUSE, AND THOROUGHLY CLEAN CONTAMINATED SHOES
INHALATION	IF INHALED, REMOVE TO FRESH AIR, IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION, IF BREATHING IS DIFFICULT, GIVES OXYGEN, GET MEDICAL ATTENTION IMMEDIATELY
SWALLOWING	IF SWALLOWED, CONTACT MEDICAL PERSONNEL IMMEDIATELY TO DETERMINE BEST COURSE OF ACTION
POSSIBLE ROUTES OF ENTRY	INHALATION, INGESTION

MATERIAL SAFETY DATA SHEET

SECTION 6: REACTIVITY DATA

THIS PRODUCT IS STABLE	
CONDITIONS TO AVOID	NONE
INCOMPATIBILITY	STRONG OXIDIZERS
HAZARDOUS DECOMPOSITION PRODUCTS	CARBON DIOXIDE / MONOXIDE
HAZARDOUS POLYMERIZATION	NONE

SECTION 7: SPILL OR LEAK PROCEDURES

SHOVEL UP AND DISPOSE OF IN AN APPROVED MANNER	AVOID CONTACT WITH EYES
--	-------------------------

WASTE DISPOSAL METHODS

1. PLACE THE POWDER, BACK IN THE CORRUGATED BOXES WITHOUT THE POLYTHENE BAGS AND PUT THEM NEAR AN OVEN TILL THE POWDER SOLIDIFIES. DUMP IT AS SOLID WASTE. (REF: BILL LEHR & ASSOCIATES, POWDER COATINGS, 48 AUGUST 1994)
2. DISPOSE THE POWDER BY BURYING IT UNDER GROUND IN AN ISOLATED AREA
3. DISPOSE IN CHEMICAL DISPOSAL AREA OR IN A MANNER THAT COMPLIES WITH LOCAL / NATIONAL REGULATONS.

SECTION 8: SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION

REQUIRED FOR DUSTS AND FUME CONDITIONS.

VENTILATION

VENTILATION EQUIPMENT SHOULD BE EXPLOSION PROOF. CURING OVENS SHOULD BE PROPERLY VENTED TO PREVENT RELEASE OF CURING OFF GASES INTO THE WORKPLACE

PROTECTIVE GLOVES : USUAL INDUSTRIAL HAND PROTECTION
EYE PROTECTION : USUAL INDUSTRIAL EYE PROTECTION
OTHER PROTECTIVE EQUIPMENT : USUAL INDUSTRIAL WORK CLOTHES

MATERIAL SAFETY DATA SHEET

SECTION 9 : SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

- AVOID FREE FALL OF POWDER IN EXCESS OF A FEW INCHES, KEEP AWAY FROM HEAT.
- SPARKS AND OPEN FLAMES. KEEP CONTAINER CLOSED WHEN NOT IN USE. DO NOT STORE ABOVE 49°C.

ABBREVIATIONS USED

OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
IRC	INTERNATIONAL AGENCY FOR RESEARCH ON CANCER
LEL	LOWER EXPLOSIVE LIMITS
UEL	UPPER EXPLOSIVE LIMITS
MG CU M	MILLIGRAMS PER CUBIC METER
MM	MILLIMETERS
PPM/CF	MILLIONS OF PARTICLES PER CUBIC FEET
MSHA	MINE SAFETY AND HEALTH ADMINISTRATION
NA	NOT APPLICABLE
NIOSH	NATIONAL INSTITUTE OF OCCUPATIONAL SAFETY AND HEALTH
NOT ESTAB	NOT ESTABLISHED
NTP	NATIONAL TOXICOLOGY PROGRAM
PEL	PERMISSIBLE EXPOSURE LEVEL
PPM	PARTS PER MILLION
TCC	TAG CLOSED CUP
PM -PENSKY	MARTEN
RECM	RECOMMENDED
TLV	THRESHOLD LIMIT VALUE

DISCLAIMER SECTION

INFORMATION CONTAINED HEREIN IS BASED ON DATA CONSIDERED TO BE ACCURATE. M/s. MODERN SAK FACTORY FOR POWDER PAINT MAKES NO WARRANTIES EXPRESS OR IMPLIED AND ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OR COMPLETENESS OF THE DATA. MODERN SAK FACTORY FOR POWDER PAINT FURTHER ASSUMES NO RESPONSIBILITY FOR PERSONAL INJURY OR PROPERTY DAMAGE TO VENDEES, USERS, OR THIRD PARTIES CAUSED BY THIS MATERIAL. SUCH VENDERS OR USERS ASSUME ALL RISKS ASSOCIATED WITH THE USE OF THIS MATERIAL.