

PARAMOUNT MINERALS AND CHEMICALS LIMITED

MATERIAL SAFETY DATA SHEET OF PARAWHITE BU POWDER

SECTION 01 : PRODUCT IDENTIFICATION

MANUFACTURE.....PARAMOUNT MINERALS AND CHEMICALS LIMITED
33, OLD HANUMAN LANE, KALBADEVI ROAD, MUMBAI -400002
TEL: 9122 - 2201 8562/22039302/56334471/56334472
PRODUCT NAME.....**PARAWHITE BU POWDER**
PRODUCT USE.....**TEXTILE INDUSTRY/PAPER**
CHEMICAL FAMILY.....**C.I. FLOURESCENT BRIGHTENER 220 PREPARATION OF
2,2'-STILBENEDISULFONIC ACID, 4,4'-BIS[[4-[BIS(2-HYDROXYETHYL)AMINO]-
6-(P-SULFOANILINO)-S-TRIAZIN-2-YL]AMINO]-,**
MATERIAL USE.....**OPTICAL BRIGHTENING AGENT**

SECTION 02 : HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	%	T.L.V	C.A.S.#	LD/50. ROUTE, SPECIE	LC/50, ROUTE, SPECIE
NONE			16470-24-9	N/A	N/A

SECTION 03 : HAZARDS IDENTIFICATION

ROUTE OF ENTRY.....EYE CONTACT, SKIN CONTACT
EYE CONTACT.....NON IRRITANT
SKIN CONTACT.....NON IRRITANT
SKIN ABSORPTION.....NOT AVAILABLE
INHALATION(ACUTE).....NON IRRITANT
INGESTION.....NOT AVAILABLE
EFFECTS OF CHRONIC EXPOSURE.....NOT AVAILABLE

SECTION 04 : FIRST AID MEASURES

EYE CONTACT.....IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER
FOR AT LEAST 15 MINUTES. CONSULT A PHYSICIAN IF IRRITATION
CONTINUES.
SKIN CONTACT.....IN CASE OF CONTACT, IMMEDIATELY FLUSH SKIN WITH PLENTY OF WATER.
REMOVE CONTAMINATED CLOTHING. WASH CLOTHING BEFORE REUSE.
INHALATION.....IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL
RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. OBTAIN MEDICAL
ATTENTION.
INGESTION.....IF INGESTED, CONSULT A PHYSICIAN.
ADDITIONAL INFORMATION.....NOT AVAILABLE

SECTION 05 : FIRE FIGHTING MEASURES

FLASH POINT @ , METHOD.....NOT APPLICABLE
AUTO IGNITION TEMPERATURE ...NOT APPLICABLE
UPPER FLAMABLE LIMIT (%VOL)....NOT AVAILABLE
LOWER FLAMABLE LIMIT(%VOL)....NOT AVAILABLE
EXTINGUISHING MEDIA.....CARBON DIOXIDE, DRY CHEMICAL, FOAM. WATER SPRAY
HAZARDOUS COMBUSTION PROD...BY FIRE: PROTECT AGAINST POTENTIALLY TOXIC AND IRRITATING FUMES .
SENSITIVITY TO MECHANICAL.....NOT APPLICABLE
IMPACT
SENSITIVITY TO STATIC.....NOT APPLICABLE
DISCHARGE

SECTION 06 : ACCIDENTAL RELEASE MEASURES

LEAK/SPILL.....SWEEP UP, PLACE IN A BAG AND HOLD FOR WASTE DISPOSAL. AFTER PICK
UP SPILL AREA CAN BE WASHED WITH WATER. AVOID RAISING DUST.
VENTILATE AREA.

SECTION 07 : HANDLING AND STORAGE

HANDLING PROCEDURES.....AVOID SKIN AND EYE CONTACT. AVOID BREATHUNG VAPORS. MAINTAIN A
GOOD PERSONAL HYGIENE.
STORAGE NEEDS.....KEEP CONTAINERS TIGHTLY CLOSED. STORE IN A COOL DRY AREA AWAY
FROM EXCESS HEAT.

SECTION 08 : EXPOSURE CONTROLS / PERSONAL PROTECTION

PROTECTIVE EQUIPMENT

EYE/TYPE.....SAFETY GLASSES
RESPIRATORY/TYPE.....NONE REQUIRED UNDER NORMAL USE.
GLOVES/TYPE.....CHEMICAL RESISTANT GLOVES.
CLOTHING/TYPE.....WEAR ADEQUATE PROTECTIVE CLOTHES.
FOOTWEAR/TYPE.....NOT APPLICABLE
OTHER/TYPE.....EYEWASH FOUNTAIN. EMERGENCY SHOWER SHOULD BE IN CLOSE

PROXIMITY .

VENTILATION REQUIREMENTS.....VENTILATE ADEQUATELY.

SECTION 09 : PHYSICAL PROPERTIES

PHYSICAL STATE.....**POWDER**
ODOR.....MILD ODOR
BULK DENSITY.....1.0
ODOR THRESHOLD(ppm).....NOT AVAILABLE
VAPOUR PRESSURE(mm Hg).....NOT AVAILABLE
VAPOUR DENSITY(AIR=1).....NOT AVAILABLE
EVAPORATION RATE.....NOT AVAILABLE
BOILING POINT(deg c).....100
pH.....**7.0 - 8.0**
SOLUBILITY IN WATER(% w/w).....MISCIBLE
COEFFICIENT OF WATER/OIL.....NOT APPLICABLE
DISTRIBUTION
FREEZING POINT (deg c).....NOT AVAILABLE
MELTING POINT (deg c).....NOT AVAILABLE

SECTION 10 : STABILITY AND REACTIVITY

INCOMPATIBILITY.....NOT AVAILABLE
REACTIVITY CONDITIONS.....NOT AVAILABLE
HAZARDOUS PRODUCTS OF.....NOT AVAILABLE
DECOMPOSITION

SECTION 11 : TOXICOLOGICAL INFORMATION

ACUTE TOXICITY (LD50).....2000 MG/KG (RAT)
IRRITANCY OF MATERIAL.....NON IRRITANT
SENSITIZING CAPABILITY OF.....NOT AVAILABLE
MATERIAL
CARCINOGENICITY OF MATERIAL..NOT AVAILABLE
TERATOGENICITY.....NOT AVAILABLE
MUTAGENICITY.....NOT AVAILABLE
REPRODUCTIVE EFFECTS.....NOT AVAILABLE
SYNERGISTIC MATERIALS.....NOT AVAILABLE

SECTION 12 : ECOLOGICAL INFORMATION

FISH TOXICITY.....LCO: 1 - 10 MG/L
TEST SPECIES.....BRACHYDANIO
TESTING TIME.....96 H
BIODEGRADABILITY
INHABITION OF ACTIVITY OF.....50% - INHIBITORY EFFECTS: ABOVE 100 MG/L
WASTE WATER BACTERIA:
METHOD.....RESPIRATORY INHIBITION OF ACTIVATED SLUDGE ORGANISMS ACCORDING
TO D. BROWN ET AL., CHEMOSPHERE, 10(3), 245-261 (1981), AND CONFORMING
TO OECD GUIDELINE 209.

SECTION 13 : DISPOSAL CONSIDERATIONS

WASTE DISPOSAL.....IN ACCORDANCE WITH MUNICIPAL, PROVINCIAL AND FEDERAL
REGULATIONS.

SECTION 14 : TRANSPORT INFORMATION

T.D.G.CLASSIFICATION.....NON REGULATED.

SECTION 15 : REGULATORY INFORMATION

SYMBOL AND CLASSIFYING.....NO MARKINGS REQUIRED

SECTION 16 : OTHER INFORMATION

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PREPARED BY.....HEALTH, ENVIRONMENT & SAFETY DEPT.

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