

# PARAMOUNT MINERALS AND CHEMICALS LIMITED

## MATERIAL SAFETY DATA SHEET OF PARAWHITE BF LIQUID

### SECTION 01 : PRODUCT IDENTIFICATION

MANUFACTURE.....PARAMOUNT MINERALS AND CHEMICALS LIMITED  
33, OLD HANUMAN LANE, KALBADEVI ROAD, MUMBAI -400002 (INDIA)  
TEL: 9122 - 201 8562/2334471/2334472

PRODUCT NAME.....**PARAWHITE BF LIQUID**

PRODUCT USE.....**PAPER INDUSTRY**

CHEMICAL FAMILY.....C.I. FLOURESCENT BRIGHTENER PREPERATION OF 2,2'-STILBENEDISULFONIC ACID, 4,4'-BIS[[4-(2-CARBAMOYLETHYL) (2-HYDROXYETHYL)AMINO]-6-(2,5-DISULFOANILINO)-S-TRIAZIN-2-YL]AMINO]-, HEXASODIUM SALT

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			67906-33-6	N/A	N/A

### SECTION 03 : HAZARDS IDENTIFICATION

NO DANGER CLASSIFICATION IN ACCORDANCE WITH THE EUROPEAN UNION GUIDELINES.

### SECTION 04 : FIRST AID MEASURES

EYE CONTACT.....IN CASE OF CONTACT, IMMEDIATELT 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.....N.A

AUTO IGNITION TEMPERATURE ©..N.A)

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.....SPILLS SHOULD BE TAKEN UP WITH SUITABLE ABSORBENT AND PLACED IN CONTAINERS. SPILL AREA CAN BE WASHED WITH WATER. COLLECT WASH WATER FOR APPROVED DISPOSAL.

### 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.

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SECTION 08 : EXPOSURE CONTROLS / PERSONAL PROTECTION

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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.

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SECTION 09 : PHYSICAL PROPERTIES

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PHYSICAL STATE.....**LIQUID**  
ODOR.....MILD ODOUR  
SPECIFIC GRAVITY.....1.08-1.12  
ODOR THRESHOLD(ppm).....NOT AVAILABLE  
VAPOUR PRESSURE(mm Hg).....N.A  
VAPOUR DENSITY(AIR=1).....NOT AVAILABLE  
EVAPORATION RATE.....NOT AVAILABLE  
BOILING POINT(deg c).....N.A  
pH.....**8.50-10.0**  
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

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SECTION 10 : STABILITY AND REACTIVITY

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

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SECTION 11 : TOXICOLOGICAL INFORMATION

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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

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SECTION 12 : ECOLOGICAL INFORMATION

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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.

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SECTION 13 : DISPOSAL CONSIDERATIONS

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

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SECTION 14 : TRANSPORT INFORMATION

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

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SECTION 15 : REGULATORY INFORMATION

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SYMBOL AND CLASSIFYING.....NO MARKINGS REQUIRED  
EU GUIDELINE.....1999/45/EC

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SECTION 16 : OTHER INFORMATION

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RESPONSIBILITY FOR USE OR RELIANCE UPON THESE DATA.

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

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