

# PARAMOUNT MINERALS AND CHEMICALS LIMITED

## MATERIAL SAFETY DATA SHEET OF PARAWHITE VSI-AF LIQUID

### SECTION 01 : PRODUCT IDENTIFICATION

MANUFACTURE.....PARAMOUNT MINERALS AND CHEMICALS LIMITED  
33, OLD HANUMAN LANE, KALBADEVI ROAD, MUMBAI -400002  
TEL: 9122 - 22408562/22429302/56334471/56334472

PRODUCT NAME.....**PARAWHITE VSI-AF LIQUID**

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

NO DANGER CLASSIFICATION IN ACCORDANCE WITH THE EUROPEAN UNION GUIDELINES.

### 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.....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 ODOR**  
**SPECIFIC GRAVITY**.....**1.08 – 1.15 checked at room temperature 25-30 deg C.**  
 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).....100  
**pH value in 10% solution** .....**8.0 – 9.5**  
 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).....>5000 MG/KG (RAT)  
 IRRITANCY OF MATERIAL.....NON IRRITANT  
 SENSITIZING CAPABILITY OF.....NON SENSITIZING  
 MATERIAL  
 CARCINOGENICITY OF MATERIAL..  
 EXPERIENCE IN HUMANS.....NO KNOWN ADVERSE EFFECTS  
 TERATOGENICITY.....NOT AVAILABLE  
 MUTAGENICITY.....AMES TEST – NEGATIVE, CHROMOSOME ABERRATIONS TEST  
 (IN VITRO)- NEGATIVE , MICRO NUCLEAR TEST (IN VIVO) - NEGATIVE  
 REPRODUCTIVE EFFECTS.....NOT AVAILABLE  
 SYNERGISTIC MATERIALS.....NOT AVAILABLE

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**SECTION 12 : ECOLOGICAL INFORMATION**


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FISH TOXICITY.....LC50:>1000 mg/l , LC0>1000 mg/l  
 TEST SPECIES.....Zebdra Barbel  
 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 AND LABELING

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SYMBOL AND CLASSIFYING.....NO MARKINGS REQUIRED

EU GUIDELINE.....2001/58/EEC

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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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