

# PARAMOUNT MINERALS AND CHEMICALS LIMITED

## MATERIAL SAFETY DATA SHEET OF PARAWHITE KF LIQUID

### SECTION 01 : PRODUCT IDENTIFICATION

MANUFACTURE.....PARAMOUNT MINERALS AND CHEMICALS LIMITED  
33, OLD HANUMAN LANE, KALBADEVI ROAD, MUMBAI -400002 (INDIA)  
TEL: 9122 - 2201 8562/56334471/56334472

PRODUCT NAME.....**PARAWHITE KF LIQUID**

PRODUCT USE.....TEXTILE INDUSTRY/PAPER

CHEMICAL FAMILY.....C.I. FLOURESCENT BRIGHTENER 113 PREPERATION OF  
4,4'-BIS(1,2,3-TRIAZOL-2-YL)STILBENE-2,2 'DISULPHONIC ACID DERIVATIVE.

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			<b>4193-55-9</b>	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.

.....2.....

---

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.....LIQUID  
ODOR.....MILD ODOUR  
SPECIFIC GRAVITY CHECKED AT ROOM TEMPERATURE 25-30 DEG C.....1.18-1.20  
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).....ca. 100 deg C.  
pH in 1% solution at 25-30 deg C .....8.50-9.50  
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)..... 5000-10000 MG/KG (RAT)  
IRRITANCY OF MATERIAL.....NON IRRITANT  
SKIN SENSITIZING CAPABILITY OF.....NOT SENSITIZING- (GUINEA PIG OECD 406)  
MATERIAL  
CARCINOGENICITY OF MATERIAL..NOT AVAILABLE  
TERATOGENICITY.....NOT AVAILABLE  
MUTAGENICITY.....AMES TEST - NEGATIVE  
REPRODUCTIVE EFFECTS.....NOT AVAILABLE  
SYNERGISTIC MATERIALS.....NOT AVAILABLE

---

SECTION 12 : ECOLOGICAL INFORMATION

---

FISH TOXICITY.....LC50: >100mg/l  
TEST SPECIES.....RAINBOW TROUT  
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  
EU GUIDELINE.....1999/45/EC

---

SECTION 16 : OTHER INFORMATION

---

NOTE.....THIS INFORMATION IS FURNISHED WITHOUT WARRANTY, EXPRESSED OR  
IMPLIED, EXCEPT THAT IT IS ACCURATE TO THE BEST KNOWLEDGE OF  
PARAMOUNT MINERALS AND CHEMICALS LIMITED. AND ASSUMES NO

LEGAL

RESPONSIBILITY FOR USE OR RELIANCE UPON THESE DATA.

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

DATED.....MARCH 10, 2010

---

**PARAMOUNT MINERALS AND CHEMICALS LIMITED**

33 OLD HANUMAN LANE, 1<sup>ST</sup> CROSS LANE, 2<sup>ND</sup> FLOOR, KALBADEVI ROAD, MUMBAI-400002.

TEL: +9122-40982500 \* FAX:+9122-40982590

E-mail: [whitener@vsnl.com](mailto:whitener@vsnl.com)

Website: [www.pmcindia.com](http://www.pmcindia.com)