

# PARAMOUNT MINERALS AND CHEMICALS LIMITED

## MATERIAL SAFETY DATA SHEET OF PARAWHITE HTSX LIQUID

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

SUPPLIER: PARAMOUNT MINERALS AND CHEMICALS LIMITED  
STREET ADDRESS: 33 OLD HANUMAN LANE, 1<sup>ST</sup> CROSS LANE, 2<sup>ND</sup> FLOOR,  
KALBADEVI ROAD, MUMBAI-400 002. INDIA.

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PRODUCT NAME ...: PARAWHITE HTSX LIQUID  
OTHER NAME(S)...: DERIVATIVE OF A DISTYRYL BIPHENYL COMPOUND ANIONIC  
CORRECT SHIPPING NAME: NOT APPLICABLE  
UN NUMBER . . . . . : FREE  
DANGEROUS GOODS CLASS PACKAGING AND SUBSIDIARY RISK : NOT APPLICABLE  
GROUP . . . : NOT APPLICABLE  
HAZCHEM CODE . . . . : NOT APPLICABLE  
POISON SCHEDULE . . . : NONE ALLOCATED  
USE: OPTICAL BRIGHTENER FOR PAPER & DETERGENTS

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

APPEARANCE . . . . . :YELLOWISH LIQUID  
BOILING/MELTING POINT : NOT AVAILABLE  
VAPOUR PRESSURE . . . : NOT APPLICABLE  
DENSITY . . . . . : 1.0-1.20 G/CM CUBE AT 25 DEG C.  
FLASH POINT . . . . . : NOT APPLICABLE  
FLAMMABILITY LIMITS . . : NOT APPLICABLE  
SOLUBILITY IN WATER . . : MISCIBLE IN ALL PROPORTIONS  
PH : (1 G/L WATER) 6.50-9.00  
THERMAL DECOMPOSITION : >350 OC  
IGNITION TEMPERATURE : 580 OC  
HAZARD CODE : XI IRRITANT  
CHEMICAL ENTITY CAS NO.  
-4,4'BIS-(SULFOSTYRYL)-BIPHENYL DISODIUM 27344-41-8  
SALT

### 3. HAZARDOUS IDENTIFICATION

PHYSICAL/CHEMICAL HAZARDS: THE DATA AVAILABLE DOES NOT SUPPORT ANY  
PHYSICAL OR CHEMICAL HAZARD  
HUMAN HEALTH HAZARDS: RISK OF SERIOUS DAMAGE TO EYES  
ENVIRONMENTAL HAZARDS: HARMFUL TO AQUATIC ANIMALS  
NOT CLASSIFIED AS DANGEROUS GOODS FOR TRANSPORT ROADOR RAIL  
POISONS SCHEDULE (AUST)/TOXIC SUBSTANCE(NZ): N/A – NOT APPLICABLE

### 4. FIRST AID MEASURES

SWALLOWED : WASH OUT MOUTH WITH WATER, DRINK PLENTY OF WATER.  
EYE . . . : RINSE IMMEDIATELY WITH COOL, CLEAN RUNNING WATER FOR AT LEAST 15 MINUTES.  
SEEK IMMEDIATE MEDICAL ATTENTION.  
SKIN . . . : CLEAN CONTAMINATED AREAS WITH SOAP AND PLENTY OF RUNNING WATER. REMOVE  
CONTAMINATED CLOTHING.  
INHALED . . : REMOVE PATIENT TO FRESH AIR, REST. SEEK MEDICAL ATTENTION IF YOU FEEL  
UNWELL OR IF EXPOSURE PROLONGED.  
FIRST AID FACILITY: EYE WASHES  
ADVICE TO DOCTOR . : TREAT SYMPTOMATICALLY, NO SPECIFIC ANTIDOTE KNOWN.  
PRECAUTIONS FOR USE  
AVOID EXPOSURE BY USE OF VENTILATION AND/OR PERSONAL PROTECTION.  
FOLLOW GOOD WORKING PRACTICE : HANDLE WITH CARE, AVOID INGESTION, INHALATION, EYE  
OR SKIN CONTACT.

WHEREVER POSSIBLE, THE WORKPLACE MUST BE VENTILATED SUFFICIENTLY TO ENSURE THAT THE EXPOSURE LIMITS ARE MET. STATE REGULATIONS ON SPEED AND DIRECTION OF AIRFLOW AWAY FROM OPERATORS MUST BE OBSERVED.

GLOVES (PVC, LONG IMPERVIOUS) AND OVERALLS ARE RECOMMENDED WITH THIS PRODUCT, BUT GOGGLES/FACE SHIELD MUST BE WORN FOR EYE PROTECTION.

WHERE SUFFICIENT VENTILATION IS NOT AVAILABLE, AVOID BREATHING VAPOURS BY WEARING THE FOLLOWING AS1716 APPROVED RESPIRATORY PROTECTION : DISPOSABLE DUST MASK: "PARTICULATE FILTER P1,SUITABLE".

FOLLOW GOOD WORKING PRACTICE: HANDLE WITH CARE, AVOID INGESTION,INHALATION, EYE OR SKIN CONTACT. WASH HANDS AND FACE THOROUGHLY AFTER HANDLING AND BEFORE EATING, DRINKING

AVOID UNNECESSARY PERSONAL CONTACT.

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## 5. FIRE-FIGHTING MEASURES

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KEEP AWAY FROM SOURCES OF IGNITION - NOT APPLICABLE, NOT FLAMMABLE.

EXTINGUISHING MEDIA : WATERSPRAY, CO<sub>2</sub>, FOAM, DRY POWDER – NO RESTRICTIONS.

HAZARDOUS COMBUSTION PRODUCTS: THERMAL DECOMPOSITION OR BURNING MAY PRODUCE OXIDES OF CARBON AND SULPHUR. WEAR SELF CONTAINED BREATHING APPARATUS.

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## 6. ACCIDENTAL RELEASE MEASURES

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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. WEAR PERSONAL PROTECTION AS INDICATED ABOVE. DISPOSE OF ALL WASTE ACCORDING TO STATE REGULATIONS:

LAND FILL: "NO"

SECURE LAND FILL: "NO"

INCINERATION: "YES" HIGH

TEMPERATURE INCINERATION: "SUITABLE"

CONTAMINATED, EMPTY CONTAINERS MUST BE DISPOSED OF AS CHEMICAL WASTE.

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## 7. HANDLING AND STORAGE

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GENERAL . . . . . : STORE IN A COOL, DRY AREA WITH ADEQUATE

STORAGE . . . . . : VENTILATION. KEEP CONTAINERS CLOSED.

UN NUMBER . . . . . : FREE

DANGEROUS GOODS CLASS PACKAGING AND SUBSIDIARY RISK : NOT APPLICABLE

GROUP . . . : NOT APPLICABLE

HAZCHEM CODE . . . . . : NOT APPLICABLE

IATA CLASS . . . . . : FREE

IMDG REFERENCE . . . . . : FREE

MINIMUM TEMPERATURE : NOT APPLICABLE

MAXIMUM TEMPERATURE : NOT APPLICABLE

INCOMPATIBLE DG CLASSES : NONE KNOWN

INCOMPATIBLE RECEPTACLE : NONE KNOWN

INCOMPATIBLE SUBSTANCES : NONE KNOWN

EMERGENCY PROCEDURE GUIDE DATE: NOT APPLICABLE

ENSURE ADEQUATE VENTILATION AND KEEP CONTAINERS CLOSED.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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COMPONENTS WITH OCCUPATIONAL EXPOSURE LIMITS SEE NATIONAL REGULATIONS

PERSONAL PROTECTION:GOGGLES, GLOVES, ADEQUATE VENTILATION. EYE WASH FOUNTAIN/EMERGENCY SHOWER NEARBY.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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APPEARANCE	FORM	LIQUID
	COLOUR	YELLOWISH
	ODOUR	ODOURLESS
RELEVANT SAFETY DATA		
MELTING POINT		> 360 °C
OXIDISING PROPERTIES		NONE
VAPOUR PRESSURE		NO DATA
SOLUBILITY IN WATER		FULLY SOLUBLE
pH 10 g/l water		6.50-9.00

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## 10. STABILITY AND REACTIVITY

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CONDITIONS TO AVOID	NONE	
MATERIALS TO AVOID	NONE	
HAZARDOUS DECOMPOSITION PRODUCTS		NONE
Additional information	None	

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## 11. TOXICOLOGICAL INFORMATION

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SWALLOWED : SLIGHT (ORAL,RAT LD50) >2000 MG/KG  
EYE . . . : SERIOUS DAMAGE TO EYES - RABBIT, OECD 405  
SKIN . . . : NON IRRITANT - RABBIT.  
NOT SENSITIZING - GUINEA PIG, OECD 406  
LD50(DERMAL)>2000 MG/KG  
INHALED . : NOT YET AVAILABLE

MUTAGENICITY - AMES TEST: NEGATIVE, CHROMOSOME ABERRATION TEST (IN VITRO): POSITIVE, MICRONUCLEUS TEST (IN VIVO): NEGATIVE, DNA REPAIR ASSAY (UDS IN VIVO): NEGATIVE.  
THERE ARE NO ADVERSE HEALTH AFFECTS REPORTED IN WORKERS, ARISING FROM LONG TERM EXPOSURE TO THIS SUBSTANCE.

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## 12. ECOLOGICAL INFORMATION

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BOD 5 . . . . . : 0 MG02/G  
COD . . . . . : 1507 MG02/G  
TOC . . . . . : 50%  
FISH TOXICITY . . . . . : SPECIES : ZEBRA FISH, 96HR. OECD 203  
LC50 : 76 MG/L  
DAPHNIA TOXICITY, 24 HR, OECD 202  
EC50 >1000 MG/L  
LC50(EARTHWORM)>5000 MG/KG,14D, OECD 207  
TOXICITY TO BACTERIA . . . : IC50 : > 100 MG/L, 3 HR OECD 209  
OECD BIOLOGICAL DEGREDDATION : 40-50%, DOC ANALYSIS, OECD 302B  
ALGA, GROWTH INHIBITION . . . : EC50 : 10.3 MG/L, 72 HR OECD 201  
HEAVY-METAL CONTENT . . . . : METAL CONTENT UNDER THE ETAD REC. LIMITS  
PHOSPHOROUS CONTENT . . . . : N/AP %  
NOTE: PREVENT SPILLAGE FROM ENTERING WATERWAYS OR DRAINS.  
BEHAVIOUR IN THE ENVIRONMENT: UNDERGOES PHOTOLYSIS IN RECIEVERS.  
METABOLITES ARE READILY BIODEGRADABLE.  
PARTIALLY ELIMINATED BY ADSORPTION ON EFFLUENT TREATMENT SLUDGE.  
NITRIFICATION INHIBITION TEST (ISO 9509), EC50: >300 MG/L.  
TESTED MATERIAL: STANDARDISED PRODUCT.

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## 13. DISPOSAL CONSIDERATIONS

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Refer to State land Waste Authority. Decontamination and destruction of containers should be considered.

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## 14. TRANSPORT INFORMATION

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NOT CLASSIFIED AS DANGEROUS GOODS BY THE CRITERIA OF THE AUSTRALIA DANGEROUS GOODS CODE (ADG CODE) FOR TRANSPORT ROAD OR RAIL

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## 15. REGULATORY INFORMATION

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R-phrase: R41: RISK OF SERIOUS DAMAGE TO EYES.

S-PHRASE: S26: IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER AND SEEK MEDICAL ADVICE.

S39: WEAR EYE/FACE PROTECTION.

SINCE WE CANNOT ANTICIPATE OR CONTROL THE MANY DIFFERENT CONDITIONS UNDER WHICH THIS INFORMATION AND OUR PRODUCTS MAY BE USED, EACH USER SHOULD REVIEW THESE RECOMMENDATIONS IN THE SPECIFIC CONTEXT OF THE INTENDED APPLICATION AND CONFIRM THAT THEY ARE APPROPRIATE.

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## 16. OTHER INFORMATION

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THIS MSDS SUMMARISES AT THE DATE OF ISSUE OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION OF THE PRODUCT, AND IN PARTICULAR HOW TO SAFELY HANDLE AND USE THE PRODUCT IN THE WORKPLACE. SINCE PARAMOUNT CANNOT ANTICIPATE OR CONTROL THE CONDITIONS UNDER WHICH THE PRODUCT MAY BE USED, EACH USER MUST, PRIOR TO USAGE, REVIEW THIS MSDS IN THE CONTEXT OF HOW THE USER INTENDS TO HANDLE AND USE THE PRODUCT IN THE WORKPLACE. IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY. OUR RESPONSIBILITY FOR PRODUCT AS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

### **PARAMOUNT MINERALS AND CHEMICALS LIMITED**

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