

PARAMOUNT MINERALS AND CHEMICALS LIMITED

MATERIAL SAFETY DATA SHEET OF PARAWHITE HTSX POWDER

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

SUPPLIER: PARAMOUNT MINERALS AND CHEMICALS LIMITED
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PRODUCT NAME ...: PARAWHITE HTSX POWDER
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 DETERGENTS

2. COMPOSITION/INFORMATION ON INGREDIENTS

APPEARANCE. : YELLOW-GREEN GRANULES; WEAK ODOUR
BOILING/MELTING POINT : NOT AVAILABLE
VAPOUR PRESSURE . . . : NOT APPLICABLE
DENSITY : 550-670G/L-BULK (G/CC @ 20 DEG.C)
FLASH POINT : NOT APPLICABLE
FLAMMABILITY LIMITS . . : NOT APPLICABLE
SOLUBILITY IN WATER . : 25G/L AT 30OC (G/L @ 20 DEG.C)
PH : (1 G/L WATER) 7.0-8.5
THERMAL DECOMPOSITION : >350 OC
IGNITION TEMPERATURE : 580 OC
HAZARD CODE : XI IRRITANT

CHEMICAL ENTITY	CAS NO.	PROPORTION
-4,4'BIS-(SULFOSTYRYL)-BIPHENYL DISODIUM SALT	27344-41-8	80-90 %
NON HAZARDOUS COMPONENTS		TO 100 %

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.
AVOID DUST FORMATION

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 DUST OR 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.

5. FIRE-FIGHTING MEASURES

KEEP AWAY FROM SOURCES OF IGNITION - NOT APPLICABLE, NOT FLAMMABLE.
DUST CLOUDS FROM FINELY PARTICULATED PRODUCT MAY BE HAZARDOUS (DUST EXPLOSION RISK). EQUIPMENT SHOULD BE ADEQUATELY GROUNDED.
EXTINGUISHING MEDIA : WATERSPRAY, CO2, FOAM, DRY POWDER – NO RESTRICTIONS.
HAZARDOUS COMBUSTION PRODUCTS: THERMAL DECOMPOSITION OR BURNING MAY PRODUCE OXIDES OF CARBON AND SULPHUR. WEAR SELF CONTAINED BREATHING APPARATUS.

6. ACCIDENTAL RELEASE MEASURES

IN CASE OF SPILL, WEAR PERSONAL PROTECTION AS INDICATED ABOVE. DAMPEN DOWN POWDER AND AVOID DUST. SCOOP INTO MARKED CONTAINERS FOR DISPOSAL AS CHEMICAL WASTE.
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.

7. HANDLING AND STORAGE

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.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

COMPONENTS WITH OCCUPATIONAL EXPOSURE LIMITS SEE NATIONAL REGULATIONS
PERSONAL PROTECTION:GOGGLES, GLOVES, ADEQUATE VENTILATION. EYE WASH FOUNTAIN/EMERGENCY SHOWER NEARBY.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	FORM	GRANULES
	COLOUR	YELLOW
	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 7.0 – 8.5

10. STABILITY AND REACTIVITY

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

11. TOXICOLOGICAL INFORMATION

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.

12. ECOLOGICAL INFORMATION

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 DEGREDEATION : 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.

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

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

15. REGULATORY INFORMATION

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.

16. OTHER INFORMATION

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.

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