

# MATERIAL SAFETY DATA SHEET (M.S.D.S.)

### • ODYSSEY OPTICAL BRIGHTENER CBS-X

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

RACTERIZATION:		
4,4'-Bis(2-Disulfonic Acid Styryl) Biphenyl		
<b>BEIJING ODYSSEY CHEMICALS CO., LTD.</b>		
B1827, Huatong Plaza	Tel: +86 10 88018188	
No. 19, Chegongzhuang West Rd.	Fax: +86 10 88018198	
Haidian District, BEIJING 100044, CHI	NA	
2.COMPOSITION/INFORMATION ON INGREDIENTS		
PRODUCT NAME: Optical Brightener CBS-X		
27344-41-8		
Sodium salt of 4,4'-Bis(2-Disulfonic Acid Styry	l) Biphenyl	
EEC SYMBOL (S)		
R-PHRASE (S)		
3.HAZARDS IDENTIFICATION		
	BEIJING ODYSSEY CHEMICALS CO B1827, Huatong Plaza No. 19, Chegongzhuang West Rd. Haidian District, BEIJING 100044, CHI /INFORMATION ON INGREDIENTS //INFORMATION ON INGREDIENTS //E: Optical Brightener CBS-X 27344-41-8 Sodium salt of 4,4'-Bis(2-Disulfonic Acid Styry (S)	

MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.

#### 4.FIRST AID MEASURES

SKIN CONTAC	T: WASH WITH PLENTY OF SOAP AND WATER. DO NOT USE ORGANIC SOLVENTS.
	IN CASE OF DERMATITIS, SEEK MEDICAL ATTENTION.
EYE CONTACT	: IMMEDIATELY WASH WITH WATER FOR AT LEAST 15 MINUTES. IN CASE OF
	EYE IRRITATION, SEEK MEDICAL ATTENTION.
INHALATION:	MOVE AFFECTED PERSON TO FRESH AIR. IN CASE OF IRRITATION OF
	RESPIRATORY SYSTEM, IN CASE OF INDISPOSITON OR PROLONGED
	EXPOSURE, SEEK MEDICAL ATTENTION.
INGESTION:	AFFECTED PERSON SHOULD DRINK 500-800 ML WATER. IF POSSIBLE WITH
	SUSPENDED ACTIVATED CARTON FOR MEDICAL USE. IN CASE OF
	SPONTANEOUS VOMITING BE SURE THAT VASLTUS CAN FREELY DRAIN
	BECAUSE OF DANGER OF SUFFOCATION, GIVE WATER REPEATEDLY.
	ARTIFICIAL INDUCTION OF VOMITING SHOULD BE RESTRICTED TO FIRST AID
	STAFF. GIVE NOTHING BY MOUTH IN CASE OF UNCONSCIOUSNESS OR
	CONVULSIONS, SEEK MEDICAL ATTENTION.

#### 5.FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISH MEDIA: WATER MIST; CARBON DIOXIDE.

EXTINGUISHING MEDIA WHICH MUST NOT BE USED FOR SAFETY REASONS: USE WATER SPRAY TO COOL FIRE-EXPOSED CONTAINERS. IN CASE OF FIRE USE WATER SPRAY, DRY CHEMICAL, CARBON DIOXIDE, OR CHEMICAL FOAM.

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTENS USE FULL PROTECTIVE CLOTHING FOR CHEMICALS AND SELF-CONTAINED BREATHING APPARATUS.

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6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: DO NOT BREATH DUST.AVOID IGNITION SOURCES. AVOID CONTACT WITH SKIN, EYES AND CLOTHING.

ENVIRONMENTAL PRECAUTIONS: PREVENT CONTAMINATION OF SOIL, DRAINS AND SURFACE WATERS.

METHODS FOR CLEANING UP: TAKE UP AND PLACE IN SUITABLE, CLOZABLE CONTAINER FOR DISPOSAL, AVOIDING FORMATION OF DUST.

7.HANDLING AND STORAGE

HANDLING: AVOID DUST FORMATION AND IGNITION SOURCES. ENSURE GOOD AND LOCAL EXHAUST. DO NOT EAT, DRINK OR SMOKE AT THE WORKPLACE.

STORGE: KEEP AWAY FROM FOOD AND DRINK. STORE IN THE ORIGINAL CONTAINER AND AT ROOM TEMPERATURE.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

TECHNICAL MEASURES/PRECAUTIONS: NO SPECIAL SAFETY MEASURES REQUIRED. REGNIRATORY PROTECTION: WEAR SUITABLE PARTICLE FILTER MACK WHEN EXPOSED TO DUST.

HAND PROTECTION: WEAR SUITABLE GLOVES.

EYE PROTECTION: WEAR SUITABLE GOGGLES OR FACE PROTECTION.

SKIN AND BODY PROTECTION: WEAR OVERALLS AND COLSED FOORTWEAR.

FURTHER INFORMATION: THIS IEL-VALUE CORRESPONDS TO THE EXPOSURE LIMIT FOR

TOTAL DUST.

9.PHYSICAL AND CHEMICAL PROPERTIES

FORM	:LIGHT YELLOWISH-GREEN GRANULE OR CRYSTAL POWDER
ODOUR	:NONE
MELTING POINT/RANGE	:NOT APPLICABLE
FLASH POINT/RANGE	:200 DEG C MIN
ABSORPTION	:349 nm IN DISTILLED WATER
FLASH POINT	:200 DEG C MIN
IGNITION	:NOT APPLICABLE
WATER SOLUBILITY	:25°C : 25g/L; 70°C: 100g/L; 95°C: 300g/L
VAPOUR PRESSURE	:NOT APPLICABLE
PH	:NEUTRAL
VISCOSITY	:NOT APPLICABLE
EXPLOSIVE PROPERTIES	:NOT TESTED

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10. STABILITY AND REACTIVITY

THERMAL DECOMPOSITION:

DONDITIONS TO ABOID: STATIC DISCHARGES. MATERIALS TO AVOID: STRONG ACIDS, STRONG BASIC, STRONG OXIDIZING AGENTS. HAZARDOUS DECOMPOSITION PRODUCTS: THERMAL DECOMPOSITION OR BURNING MAY RELEASE OXIDES OF CARTON AND OTHER TOXIC GASES OR VAPOURS.

11. TOXICOLOGICAL INFORMATION LC 50 ACUTE ORAL TOXICITY IN RATS

SKIN IRRITATION TESTED ON RABBITS EYE IRRITATION TESTED ON RABBITS

: 10,000 MG/KG MIN : NON-IRRITANT : NON-IRRITANT

12. ECOLOGICAL INFORMATION

EC 50 ALGAE : NOT TESTED.

PREVENT CONTAMINATION OF SOIL, DRAINS AND SURFACE WATERS.

13. DISPOSAL CONSIDERATIONS

INOINERATION OR LANDFILL IN ACCORDANCE WITH LOCAL REGULATIOS, CONTEMINATED PACKAGING MATERIAL SHOULD BE DISPOSED OF IDENTICALLY TO THE PRODUCT ITSELF UNCONTAMINATED PACKAGING MATERIAL SHOULD BE TREATED AS HOUSEHOLD WASTE OR AS RECYCLING MATERIAL.

14. TRANSPORT INFORMATION:

RID/ADR FREE

FLASH POINT:

15. REGULATORY INFORMATION

EEC NO.

EEC SYMBOL: NONE

CONTAINS: 4,4'-Bis(2-Disulfonic Acid Styryl) Biphenyl

AVOID RELEASE TO THE ENVIRONMENT. REFER TO SPECIAL INSTRUCTIONS SAFETY DATA SHEETS.

16. OTHER INFORMATION

THE INFORMATION ABOVE IS BELIEVED TO BE ACCURATE AND REPRESENTS THE BEST INFORMATION CURRENTLY AVAILABLE TO US. HOWEVER, WE MAKE NO WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESS OF IMPLIED, WITH RESPECT TO SUCH INFORMATION, AND WE ASSUME NO LIABILITY RESULTING FROM ITS USE. USERS SHOULD MAKE THEIR OWN INVESTIGATIONS TO DETERMINE THE SUITABILITY OF THE INFORMATION FOR THEIR PARTICULAR PURPOSES.