



# MATERIAL SAFETY DATA SHEET

NAME OF PRODUCT

FILE NO.:  
MSDS DATE: 18 Nov., 11

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: **orange-** Desk Highlighter, Set of 5, ASST; HIGHLIGHTER, POCKET, 5 ST; HIGHLIGHTER, POCKET, FOE; HIGHLIGHTER, DESK, 5 ST; HIGHLIGHTER, DESK, FOE; Highlighter, Rubberized Comfort Grip 5 color set;

SYNONYMS:

PRODUCT CODES: OFF82420, UNV08840, UNV08850, UNV08853, UNV08860, UNV08863, UNV18860

MANUFACTURER: WENZHOU AIHAO PEN TRADE CO., LTD

DIVISION: MARKER WORKSHOP

ADDRESS: No. 128, WENCHANG ROAD, WENZHOU EXPORT-ORIENTED AGRICULTURAL DEVELOPMENT ZONE, WENZHOU, CHINA, 325011

EMERGENCY PHONE: 86-21-68622115

CHEMTREC PHONE:

OTHER CALLS:

FAX PHONE: 86-21-68622126

CHEMICAL NAME:

CHEMICAL FAMILY:

CHEMICAL FORMULA:

PRODUCT USE:

PREPARED BY:

SECTION 1 NOTES:

## SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

### INGREDIENT:

<u>CAS NO.</u>	<u>% WT</u>	<u>% VOL</u>	<u>SARA 313 REPORTABLE</u>
C.I. Basic Yellow 40 (12221-86-2)	≤ 2.5%		It is not regulation object.
EINECS: 252-770-4			
C.I. Basic Red 1 (989-38-8)	≤ 1.0%		
EINECS: 213-584-9			
Non hazardous substance	≤ 96.5%		It is not regulation object.

ppm

OSHA PEL-TWA:  
OSHA PEL STEL :  
OSHA PEL CEILING:

mg/m3

ACGIH TLV-TWA:  
ACGIH TLV STEL:  
ACGIH TLV CEILING:

SECTION 2 NOTES: None

## SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: None

ROUTES OF ENTRY: None

POTENTIAL HEALTH EFFECTS

EYES: None

SKIN: None

INGESTION: None

INHALATION: None

ACUTE HEALTH HAZARDS: None

CHRONIC HEALTH HAZARDS: None

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None

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**CARCINOGENICITY**

OSHA: None

ACGIH: None

NTP: None

IARC: None

OTHER: None

SECTION 3 NOTES: None

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**SECTION 4: FIRST AID MEASURES**

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EYES: Rinse opened eye for several minutes under running water.

SKIN: Generally the product does not irritate the skin.

INGESTION: If symptoms persist consult doctor.

INHALATION: Supply fresh air; consult doctor in case of complaints.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: None

SECTION 4 NOTES: None

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**SECTION 5: FIRE-FIGHTING MEASURES**

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FLAMMABLE LIMITS IN AIR, UPPER: None  
(% BY VOLUME) LOWER: 0.9

FLASH POINT:

F: 320

C: 160

METHOD USED:

AUTOIGNITION TEMPERATURE:

F: 752

C: 400

NFPA HAZARD CLASSIFICATION

HEALTH: 0

FLAMMABILITY: 1

REACTIVITY: 0

OTHER: None

HMIS HAZARD CLASSIFICATION

HEALTH: 0

FLAMMABILITY: 1

REACTIVITY: 0

PROTECTION: None

EXTINGUISHING MEDIA: None

SPECIAL FIRE FIGHTING PROCEDURES: None

UNUSUAL FIRE AND EXPLOSION HAZARDS: None

HAZARDOUS DECOMPOSITION PRODUCTS: None

SECTION 5 NOTES: None

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**SECTION 6: ACCIDENTAL RELEASE MEASURES**

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**ACCIDENTAL RELEASE MEASURES:**

Personal precautions: Wear protective clothing.

Environmental precautions: Do not allow to enter sewers/surface or ground water..

Methods for cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust)).

SECTION 6 NOTES: None

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**SECTION 7: HANDLING AND STORAGE**

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HANDLING AND STORAGE: Ensure good ventilation/exhaustion at the workplace.

OTHER PRECAUTIONS: None

SECTION 7 NOTES: None

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**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

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ENGINEERING CONTROLS: Not it particularly.

VENTILATION: None

RESPIRATORY PROTECTION : None

EYE PROTECTION: Goggles recommended during refilling.

SKIN PROTECTION: Protective gloves

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: None

WORK HYGIENIC PRACTICES: The usual precautionary measures are to be adhered to when handling chemicals.

EXPOSURE GUIDELINES: None

SECTION 8 NOTES: None

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**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

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APPEARANCE: FLUID

ODOR: Product specific

PHYSICAL STATE: Liquid

pH AS SUPPLIED: 6.6

pH (Other): None

BOILING POINT:

F: 554

C: 290

MELTING POINT: None

F:

C:

FREEZING POINT: None

F:

C:

VAPOR PRESSURE (mmHg): 0.075

@

F: 68

C: 20

VAPOR DENSITY (AIR = 1): 1.08 g/m<sup>3</sup>

@

F: 68

C: 20  
SPECIFIC GRAVITY (H2O = 1): None  
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F:  
C:  
EVAPORATION RATE: None  
BASIS (=1): None

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**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (con't)**

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SOLUBILITY IN WATER: Not miscible or difficult to mix.

PERCENT SOLIDS BY WEIGHT: 1.1

PERCENT VOLATILE: None  
BY WT/ BY VOL @

F:  
C:  
VOLATILE ORGANIC COMPOUNDS (VOC): None

WITH WATER: LBS/GAL  
WITHOUT WATER: LBS/GAL

MOLECULAR WEIGHT: There are no measurement data  
VISCOSITY: 49 mpas  
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F: 68  
C: 20

SECTION 9 NOTES: None

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**SECTION 10: STABILITY AND REACTIVITY**

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STABLE

UNSTABLE

STABILITY: Stable  
CONDITIONS TO AVOID (STABILITY): None

INCOMPATIBILITY (MATERIAL TO AVOID): None

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: None

HAZARDOUS POLYMERIZATION: May Not Occur

CONDITIONS TO AVOID (POLYMERIZATION): None

SECTION 10 NOTES: None

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**SECTION 11: TOXICOLOGICAL INFORMATION**

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TOXICOLOGICAL INFORMATION: None

SECTION 11 NOTES: None

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**SECTION 12: ECOLOGICAL INFORMATION**

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ECOLOGICAL INFORMATION:  
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water  
Do not allow product to reach ground water, water course or sewage system.  
Danger to drinking water if even small quantities leak into the ground.

SECTION 12 NOTES: None

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**SECTION 13: DISPOSAL CONSIDERATIONS**

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**WASTE DISPOSAL METHOD:** Must not be disposed of together with household garbage. Do not allow product to reach sewage system

**RCRA HAZARD CLASS:** None

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**SECTION 13: DISPOSAL CONSIDERATIONS (con't)**

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SECTION 13 NOTES: None

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**SECTION 14: TRANSPORT INFORMATION**

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**U.S. DEPARTMENT OF TRANSPORTATION**

**PROPER SHIPPING NAME:** None  
**HAZARD CLASS:** None  
**ID NUMBER:** None  
**PACKING GROUP:** None  
**LABEL STATEMENT:** None

**WATER TRANSPORTATION**

**PROPER SHIPPING NAME:** None  
**HAZARD CLASS:** None  
**ID NUMBER:** None  
**PACKING GROUP:** None  
**LABEL STATEMENTS:** None

**AIR TRANSPORTATION**

**PROPER SHIPPING NAME:** None  
**HAZARD CLASS:** None  
**ID NUMBER:** None  
**PACKING GROUP:** None  
**LABEL STATEMENTS:** None

**OTHER AGENCIES:** The product does not constitute a hazardous substance in national/international road, rail, sea and air transport.

SECTION 14 NOTES: None

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**SECTION 15: REGULATORY INFORMATION**

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**U.S. FEDERAL REGULATIONS**

**TSCA (TOXIC SUBSTANCE CONTROL ACT):** All ingredients are listed.

**CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):** None

**SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):** None

**311/312 HAZARD CATEGORIES:** None

**313 REPORTABLE INGREDIENTS:** 989-38-8

**STATE REGULATIONS:** Treat in accordance with appropriate government regulations

**INTERNATIONAL REGULATIONS:** None

SECTION 15 NOTES: None

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**SECTION 16: OTHER INFORMATION**

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**OTHER INFORMATION:** This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**PREPARATION INFORMATION:** None

**DISCLAIMER:** None