



# MATERIAL SAFETY DATA SHEET

NAME OF PRODUCT

FILE NO.:

MSDS DATE: Nov 25,2011

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: CHISEL DRYERASE MARKER,GN; DRY ERASE MARKER,GREEN; CHISEL DRYERASE MARKER 4ST,AST,GREEN; DRY ERASE MARKER SET,GREEN; MARKER,DRY ERASE,4ST,AST,GREEN; DRY ERASE MARKER,GREEN

SYNONYMS:

PRODUCT CODES: UNV43654, UNV43684 , UNV43650-GR; UNV43680-GR, UNV43670-GR; OFF82435-GR

MANUFACTURER: WENZHOU AIHAO PEN TRADE CO., LTD

DIVISION: MARKER WORKSHOP

ADDRESS: ZHONGXING AVENUE LONGWAN WENZHOU, ZHEJIANG PROVINCE, 325011, P.R.CHINA

EMERGENCY PHONE: 86-21-68622115

CHEMTREC PHONE:

OTHER CALLS:

FAX PHONE: 86-21-68622126

CHEMICAL NAME: Mixed

CHEMICAL FAMILY: Mixed

CHEMICAL FORMULA: Mixed

PRODUCT USE: WHITEBOARD MARK PEN INDUSTRY

PREPARED BY:

SECTION 1 NOTES: None

## SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

### INGREDIENT:

<u>CAS NO.</u>	<u>% WT</u>	<u>% VOL</u>	<u>SARA 313 REPORTABLE</u>
(Ethyl alcohol)64-17-5	25-50		It is not regulation object.
(1-Methoxy-2-propanol)107-98-2	10-25		It is not regulation object.
(propan-2-ol)67-63-0	10-25		
Non hazardous substance	0-55		It is not regulation object.
	<u>ppm</u>	<u>mg/m3</u>	
OSHA PEL-TWA:	1000	1900	
OSHA PEL STEL :	-	-	
OSHA PEL CEILING:	-	-	
ACGIH TLV-TWA:	1000	1880	
ACGIH TLV STEL:	-	-	
ACGIH TLV CEILING:	-	-	

SECTION 2 NOTES:

## 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  
EYES: None  
SKIN: None  
INGESTION: None  
INHALATION: None

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None  
None

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**CARCINOGENICITY**

OSHA: None                      ACGIH: None                      NTP: None                      IARC: None  
OTHER: -

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. Then consult a doctor.

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: 15  
(% BY VOLUME)                      LOWER: 1.7

FLASH POINT:

F: 55

C: 13

METHOD USED:

AUTOIGNITION TEMPERATURE:

F: 549

C: 287

NFPA HAZARD CLASSIFICATION

HEALTH: 0                      FLAMMABILITY: 3                      REACTIVITY: 0  
OTHER: -

EXTINGUISHING MEDIA: CO2, sand, extinguishing powder. Do not use water.

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:**

Wear protective equipment. Keep unprotected persons away.  
Wear protective clothing.  
Prevent seepage into sewage system, workpits and cellars.  
Do not allow to enter sewers/surface or ground water.

**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.  
Keep ignition sources away-Do not smoke.  
Protect against electrostatic charges.  
Store in a cool location.  
Keep receptacle tightly sealed.  
Store in cool, dry conditions in well sealed receptacles.

**OTHER PRECAUTIONS:** None

**SECTION 7 NOTES:** None

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

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**ENGINEERING CONTROLS:** None

**VENTILATION :** None

**RESPIRATORY PROTECTION:** None

**EYE PROTECTION:** Tightly sealed goggles.

**SKIN PROTECTION:** Avoid contact with skin. Protective gloves.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** None

**WORK HYGIENIC PRACTICES:** None

**EXPOSURE GUIDELINES:** None

**SECTION 8 NOTES:** None

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**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

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**APPEARANCE:** Fluid

**ODOR:** alcohol-like

**PHYSICAL STATE:** Liquid

**pH AS SUPPLIED:** None

**pH (Other):**

**BOILING POINT:** None

F:

C:

**MELTING POINT:** None

F:

C:

**FREEZING POINT:** None

F:

C:  
VAPOR PRESSURE (mmHg): 44  
@  
F: 68  
C: 20  
VAPOR DENSITY (AIR = 1): 0.85 g/cm3  
@  
F: 68  
C: 20  
SPECIFIC GRAVITY (H2O = 1): None  
@  
F:  
C:  
EVAPORATION RATE: None  
BASIS (=1): None  
FLAMMABILITY: None

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

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SOLUBILITY IN WATER: Soluble in organic solvents

PERCENT SOLIDS BY WEIGHT: None

PERCENT VOLATILE: None

BY WT/ BY VOL @

F:

C:

VOLATILE ORGANIC COMPOUNDS (VOC): None

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

MOLECULAR WEIGHT: None

VISCOSITY: 10 mPas

@

F:68

C: 20

SECTION 9 NOTES: None

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**SECTION 10: STABILITY AND REACTIVITY**

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STABLE

UNSTABLE

STABILITY: None

CONDITIONS TO AVOID (STABILITY): None

INCOMPATIBILITY (MATERIAL TO AVOID): None

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: None

HAZARDOUS POLYMERIZATION: None

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:** slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

**SECTION 12 NOTES:** None

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**SECTION 13: DISPOSAL CONSIDERATIONS**

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**WASTE DISPOSAL METHOD:** Must not be disposed 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:** PAINT  
**HAZARD CLASS:** 3 Flammable liquids  
**ID NUMBER:** None  
**PACKING GROUP:** II  
**LABEL STATEMENT:** 3

**WATER TRANSPORTATION**

**PROPER SHIPPING NAME:** PAINT  
**HAZARD CLASS:** 3 Flammable liquids  
**ID NUMBER:** None  
**PACKING GROUP:** II  
**LABEL STATEMENTS:** 3

**AIR TRANSPORTATION**

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

**OTHER AGENCIES:** GGV IMDG CODE: None

ICAO/IATA-DGR: Not restricted  
UN No.: Not restricted  
RID/ADR: None

**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

**Acute:** None

**Chronicity:** None

Fire: None  
Reactivity: None  
Sudden exhaust: None

313 REPORTABLE INGREDIENTS: 67-63-0

STATE REGULATIONS: None

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