



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,BK; DRY ERASE MARKER,BLACK; MARKER,DRY ERASE,BLT PT,BK; CHISEL DRYERASE MARKER 4ST,AST,BLACK; DRY ERASE MARKER SET,BLACK; MARKER,DRY ERASE,4ST,AST,BLACK; MARKER,DRY ERASE,4ST,AST;DRY ERASE MARKER SET,ASST-BLACK.

SYNONYMS:

PRODUCT CODES: UNV43651, UNV43681,UNV43671,UNV43650-BK,UNV43680-BK,UNV43670-BK,OFF82435-BK

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	50-100		It is not regulation object.
(1-Methoxy-2-propanol)107-98-2	10-25		It is not regulation object.
Non hazardous substance	0-40		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

CARCINOGENICITY

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

SECTION 3 NOTES: None

SECTION 4: FIRST AID MEASURES

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:

SECTION 4 NOTES: None

SECTION 5: FIRE-FIGHTING MEASURES

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

SECTION 6: ACCIDENTAL RELEASE MEASURES

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

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE:

Ensure good ventilation/exhaustion at the workplace.
Keep ignition sources away-Do not smoke.
Protect against dlectrostatic charges.
Store in a cool location.
Keep receptacle tightly seales.
Store in cool, dry conditions in well sealed receptacles.

OTHER PRECAUTIONS: None

SECTION 7 NOTES: None

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Fluid

ODOR: alcohol-like

PHYSICAL STATE: Liquid

pH AS SUPPLIED: None

pH (Other): None

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):

FLAMMABILITY: None

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

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:

VISCOSITY: 10 mPas

@

F:68

C: 20

SECTION 9 NOTES:

SECTION 10: STABILITY AND REACTIVITY

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

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: None

SECTION 11 NOTES: None

SECTION 12: ECOLOGICAL INFORMATION

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

SECTION 13: DISPOSAL CONSIDERATIONS

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

RCRA HAZARD CLASS: None

SECTION 13: DISPOSAL CONSIDERATIONS (con't)

SECTION 13 NOTES: None

SECTION 14: TRANSPORT INFORMATION

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

SECTION 15: REGULATORY INFORMATION

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: None

STATE REGULATIONS: None

INTERNATIONAL REGULATIONS: None

SECTION 15 NOTES: None

SECTION 16: OTHER INFORMATION

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