



MATERIAL SAFETY DATA SHEET

FILE NO.: NAME OF PRODUCT

MSDS DATE: / /

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: DRY ERASE (GREEN)

SYNONYMS:

PRODUCT CODES: UNV43654, UNV43684, UNV43650 UNV43680, UNV43670, OFF82435

MANUFACTURER: WENZHOU AIHAO PEN TRADE CO., LTD; S-LAND CO., LTD (INK SUPPLIER)

DIVISION:

ADDRESS: NO.823 WENZHOU AVENUE,WENZHOU,ZHEJIANG PROVINCE,CHINA

EMERGENCY PHONE:

CHEMTREC PHONE:

OTHER CALLS:

FAX PHONE:

CHEMICAL NAME:

CHEMICAL FAMILY:

CHEMICAL FORMULA:

PRODUCT USE: WHITEBOARD MARK PEN INDUSTRY

PREPARED BY:

SECTION 1 NOTES:

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT:

COMPONENT	CAS NO	PERCENTAGE
Green 7	1928-53-6	5.3%
Ethyl alcohol	64-17-5	56%
Isopropyl alcohol	67-63-0	27%
Polyvinyl butyral	63148-65-2	3.1%
Dibutyl sebacate	109-40-3	1.4%
Diocetyl adipate	103-23-1	1.9%
Isocetyl palmitate	58-10-3	2.23%
Isocetyl stearate	57-11-4	4.6%

OSHA PEL-TWA: NO DATA AVAILABLE
OSHA PEL STEL : NO DATA AVAILABLE
OSHA PEL CEILING: NO DATA AVAILABLE
ACGIH TLV-TWA: NO DATA AVAILABLE
ACGIH TLV STEL: NO DATA AVAILABLE
ACGIH TLV CEILING: NO DATA AVAILABLE

SECTION 2 NOTES:

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:MAY BE IRRITATING TO RESPIRATORY TRACT,SKIN AND EYES.
THIS PRODUCT IS NOT RAPIDLY IGNITABLE

ROUTES OF ENTRY:

POTENTIAL HEALTH EFFECTS: DATA NOT AVAILABLE
EYES:

SKIN:

INGESTION:

INHALATION:

ACUTE HEALTH HAZARDS: DATA NOT AVAILABLE

CHRONIC HEALTH HAZARDS: DATA NOT AVAILABLE

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: DATA NOT AVAILABLE

CARCINOGENICITY
OSHA:
OTHER:

ACGIH:

NTP:

IARC:

SECTION 3 NOTES:

SECTION 4: FIRST AID MEASURES

EYES: FLUSH EYE WITH FLOWING WATER UNTIL NO EVIDENCE OF CHEMICAL REMAINS(AT LAST 15 MINUTES).IF IRRITATION DEVELOPS CONSULT AN OCULIST

SKIN: REMOVE CONTAMINATED CLOTHING AND SHOES IMMEDIATELY.WASH AFFECTED SKIN WITH SOAP AND WATER.GET MEDICAL ATTENTION IMMEDIATELY.

INGESTION: IF SWALLOWED,DILUTE WITH WATER AND INDUCE VOMITING.GET MEDICAL ATTENTION IMMEDIATELY.NEVER GIVE ANYTHING BY MOUTH TO UNCONSCIOUS PERSON.

INHALATION: IF INHALED,MOVE TO FRESH AIR.PERFORM ARTIFICIAL RESPIRATION IF NECESSARY.GET MEDICAL ATTENTION IMMEDIATELY

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:

SECTION 4 NOTES:

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS IN AIR, UPPER: NO DATA AVAILABLE
LOWER: (% BY VOLUME)

FLASH POINT:

F: 8°C

METHOD USED:

AUTOIGNITION TEMPERATURE: NO DATA AVAILABLE

F:
C:

NFPA HAZARD CLASSIFICATION NO DATA AVAILABLE
HEALTH: FLAMMABILITY:
OTHER: REACTIVITY:

HMIS HAZARD CLASSIFICATION NO DATA AVAILABLE
HEALTH: FLAMMABILITY:
PROTECTION: REACTIVITY:

EXTINGUISHING MEDIA: SELF-CONTAINED BREATHING APPARATUS FOR FIGHTERS.

MOVE CONTAINER FROM FIRE IF YOU CAN DO IT WITHOUT RISK
DO NOT SCATTER SPILLED MATERIAL WITH HIGH PRESSURE WATER STEAMS

SPECIAL FIRE FIGHTING PROCEDURES: NO DATA AVAILABLE

UNUSUAL FIRE AND EXPLOSION HAZARDS: NO DATA AVAILABLE

HAZARDOUS DECOMPOSITION PRODUCTS: NO DATA AVAILABLE

SECTION 5 NOTES:

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES:

PERSONAL PRECAUTION: CLEAN UP WITH APPROPRIATE PERSONAL EQUIPMENT

ENVIRONMENTAL PRECAUTIONS:SCOOP OR SWEEP & TRANSFER INTO A CLOSED CONTAINER. KEEP WASTE OUT OF SEWERS.
METHOD FOR CLEANING UP:SCOOP OR SWEEP INTO A CONTAINER FOR REUSE OR DISPOSAL. KEEP UNNECESSARY PERSON
AWAY

SECTION 6 NOTES:

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE: STORED IN COOL DRY PLACE, KEEP CONTAINER TIGHTLY CLOSED. DO NOT INHALE THE
SUBSTANCE AND AVOID CONTACT WITH THE SKIN OR EYES. WEAR PROTECTIVE CLOTHING WHEN HANDLING OPEN
CONTAINER;AVOID ENVIRONMENTAL POLLUTION BY HANDLING THE PRODUCT CAREFULLY. WASH THOROUGHLY AFTER
HANDLING. USE ONLY WITH ADEQUATE VENTILATION.

OTHER PRECAUTIONS:NONE

SECTION 7 NOTES:

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: NO DATA AVAILABLE

VENTILATION : NO DATA AVAILABLE

RESPIRATORY PROTECTION: LOCAL EXHAUST VENTILATION; AIR PURIFYING RESPIRATOR

EYE PROTECTION:SAFETY GOGGLES

SKIN PROTECTION:IMPERVIOUS CLOTHING

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

WORK HYGIENIC PRACTICES: NO DATA AVAILABLE

EXPOSURE GUIDELINES: NO DATA AVAILABLE

SECTION 8 NOTES:

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:UNIFORM LIQUID

ODOR:ODOUR LIKE ALCOHOL

PHYSICAL STATE: LIQUID

pH AS SUPPLIED: 4.5±1.5

STABILITY: STABLE UNDER NORMAL CONDITION OF STORAGE AND USE
 CONDITIONS TO AVOID (STABILITY): NO DATA AVAILABLE
 INCOMPATIBILITY (MATERIAL TO AVOID): NO DATA AVAILABLE
 HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: NO DATA AVAILABLE
 HAZARDOUS POLYMERIZATION: NO DATA AVAILABLE
 CONDITIONS TO AVOID (POLYMERIZATION): NO DATA AVAILABLE

STABLE UNSTABLE

SECTION 10: STABILITY AND REACTIVITY

SECTION 9 NOTES:

PH (Other):
 BOILING POINT:
 F:
 C: 78°C
 MELTING POINT: NO DATA AVAILABLE
 F:
 C:
 FREEZING POINT: NO DATA AVAILABLE
 F:
 C:
 VAPOR PRESSURE (mmHg): 3.452mmHg
 F:
 C:
 VAPOR DENSITY (AIR = 1):
 F: 1.59
 C:
 SPECIFIC GRAVITY (H2O = 1): NO DATA AVAILABLE
 F:
 C:
 EVAPORATION RATE: NO DATA AVAILABLE
 F:
 C:
 BASIS (=1): NO DATA AVAILABLE

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (cont)

SOLUBILITY IN WATER: SOLUBLE IN WATER
 PERCENT SOLIDS BY WEIGHT: NO DATA AVAILABLE
 PERCENT VOLATILE: NO DATA AVAILABLE
 BY WT / BY VOL /
 F:
 C:
 VOLATILE ORGANIC COMPOUNDS (VOC): NO DATA AVAILABLE
 WITH WATER: LBS/GAL
 WITHOUT WATER: LBS/GAL
 MOLECULAR WEIGHT: NO DATA AVAILABLE
 VISCOSITY:
 @
 F:
 C:

SECTION 10 NOTES:

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION:

TOLERANCE LIMIT: 400ppm, 980mg/m³

ACTUAL ORAL TOXICITY LD50(RAT): NO DATA AVAILABLE

SKIN IRRITATION/RABBIT/DRAIZE TEST: NO DATA AVAILABLE

IRRITATION OF MUCOUS/RABBIT EYES/DRAIZE TEST: NO DATA AVAILABLE

SECTION 11 NOTES:

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: NO DATA AVAILABLE

BEHAVIOR IN ENVIRONMENTAL COMPARTMENTS: NO DATA AVAILABLE

ECOTOXIC REACTION: NO DATA AVAILABLE

BACTERIA TOXICITY: NO DATA AVAILABLE

FISH TOXICITY: NO DATA AVAILABLE

SECTION 12 NOTES:

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: IN COMPLIANCE WITH LOCAL, NATIONAL REGULATIONS

RCRA HAZARD CLASS:

SECTION 13: DISPOSAL CONSIDERATIONS (cont)

SECTION 13 NOTES:

SECTION 14: TRANSPORT INFORMATION

NO DATA AVAILABLE

U.S. DEPARTMENT OF TRANSPORTATION

PROPER SHIPPING NAME:

HAZARD CLASS:

ID NUMBER:

PACKING GROUP:

LABEL STATEMENT:

WATER TRANSPORTATION

PROPER SHIPPING NAME:

HAZARD CLASS:

ID NUMBER:

PACKING GROUP:

LABEL STATEMENTS:

AIR TRANSPORTATION

PROPER SHIPPING NAME:

HAZARD CLASS:

ID NUMBER:

PACKING GROUP:

LABEL STATEMENTS:

OTHER AGENCIES:

SECTION 14 NOTES:

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS NO DATA AVAILABLE
TSCA (TOXIC SUBSTANCE CONTROL ACT):

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):

311/312 HAZARD CATEGORIES:

313 REPORTABLE INGREDIENTS:

STATE REGULATIONS:

INTERNATIONAL REGULATIONS:

SECTION 15 NOTES:

SECTION 16: OTHER INFORMATION

OTHER INFORMATION:

PREPARATION INFORMATION:

DISCLAIMER: