



# MATERIAL SAFETY DATA SHEET

NAME OF PRODUCT

FILE NO.:

MSDS DATE: / /

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: S-LAND BM BLUE  
 SYNONYMS:  
 PRODUCT CODES: UNV07053, OFF82442, UNV07073  
 MANUFACTURER: S-LAND CO.,LTD  
 DIVISION:  
 ADDRESS: RM305,SEEUN BLDG 909 HWAJUNG-DONG, DUKYANG-KU, KOYANG-CITY, KYUNGGI-DO,KOREA  
 EMERGENCY PHONE: 82-31-966-2771  
 CHEMTRAC PHONE:  
 OTHER CALLS:  
 FAX PHONE: 82-31-966-2701  
 CHEMICAL NAME:  
 CHEMICAL FAMILY:  
 CHEMICAL FORMULA:  
 PRODUCT USE: PERMANENT MARKER PEN INDUSTRY  
 PREPARED BY:  
 SECTION 1 NOTES:

## SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

### INGREDIENT:

CAS NO.	% WT	% VOL	SARA 313 REPORTABLE
64-17-5			
107-98-2			
71-12-8			
100-51-6			
36009-09-2			
65138-66-1			

OSHA PEL-TWA:

OSHA PEL STEL:

OSHA PEL CEILING:

ACGIH TLV-TWA:

ACGIH TLV STEL:

ACGIH TLV CEILING:

### SECTION 2 NOTES:

## SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: MAY BE IRRITATING TO RESPIRATORY TRACT,SKIN AND EYES. THIS PRODUCT IS NOT RAPIDLY IGNITABLE. USE ONLY WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING

ROUTES OF ENTRY:

POTENTIAL HEALTH EFFECTS  
 EYES:

SPECIAL FIRE FIGHTING PROCEDURES:

EXTINGUISHING MEDIA: DRY CHEMICAL, WATER SPRAY, FOAM, CO2 GASES OF CO2 AND OTHER HAZARDOUS OXIDES COULD BE GENERATED. 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.

HMIS HAZARD CLASSIFICATION  
HEALTH: FLAMMABILITY: REACTIVITY:  
PROTECTION:

NFPA HAZARD CLASSIFICATION  
HEALTH: FLAMMABILITY: REACTIVITY:  
OTHER:

AUTIGNITION TEMPERATURE:  
F:  
C:

METHOD USED:

F:  
C:  
FLASH POINT:

FLAMMABLE LIMITS IN AIR, UPPER:  
(% BY VOLUME) LOWER:

SECTION 5: FIRE-FIGHTING MEASURES

SECTION 4 NOTES:

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:

INHALATION: IF INHALED, MOVE TO FRESH AIR. PERFORM ARTIFICIAL RESPIRATION IF NECESSARY. 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.

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

EYES: FLUSH EYE WITH FLOWING WATER UNTIL NO EVIDENCE OF CHEMICAL REMAINS

SECTION 4: FIRST AID MEASURES

SECTION 3 NOTES:

CARCINOGENICITY  
OSHA:  
OTHER:  
ACGIH:  
NTP:  
IARC:

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

CHRONIC HEALTH HAZARDS:

ACUTE HEALTH HAZARDS:

INHALATION:

INGESTION:

SKIN:



UNUSUAL FIRE AND EXPLOSION HAZARDS:  
HAZARDOUS DECOMPOSITION PRODUCTS:

SECTION 5 NOTES:

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES:

SECTION 6 NOTES:

PERSONAL PRECAUTION: CLEAN UP WITH APPROPRIATE PERSONAL EQUIPMENT(SEE SECTION 8) 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 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:

SECTION 7 NOTES:

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS:

VENTILATION :

RESPIRATORY PROTECTION: LOCAL EXHAUST VENTILATION

EYE PROTECTION: SAFETY GOGGLES

SKIN PROTECTION: IMPERVIOUS CLOTHING

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

WORK HYGIENIC PRACTICES: RUBBER GLOVES

EXPOSURE GUIDELINES:

SECTION 8 NOTES:

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: UNIFORM LIQUID

ODOR: ODOUR LIKE ALCOHOL

PHYSICAL STATE:

pH AS SUPPLIED: 6.0-8.5

pH (Other):

BOILING POINT:

F:

C: 100

SECTION 11: TOXICOLOGICAL INFORMATION

SECTION 10 NOTES:

CONDITIONS TO AVOID (POLYMERIZATION):

HAZARDOUS POLYMERIZATION:

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:

INCOMPATIBILITY (MATERIAL TO AVOID):

CONDITIONS TO AVOID (STABILITY):

STABILITY: STABLE UNDER NORMAL CONDITION OF STORAGE AND USE

UNSTABLE

STABLE

SECTION 10: STABILITY AND REACTIVITY

SECTION 9 NOTES:

C:

F:

@

MOLECULAR WEIGHT:

WITOUT WATER: LBS/GAL

WITH WATER: LBS/GAL

VOLATILE ORGANIC COMPOUNDS (VOC):

C:

F:

BY WT/ BY VOL @

PERCENT VOLATILE:

PERCENT SOLIDS BY WEIGHT:

SOLUBILITY IN WATER: INSOLUBLE IN WATER

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (cont)

BASIS (=1):

EVAPORATION RATE:

C:

F:

@

SPECIFIC GRAVITY (H2O = 1):

C:

F:

@

VAPOR DENSITY (AIR = 1):

C:

F:

@

VAPOR PRESSURE (mmHg):

C:

F:

FREEZING POINT:

C:

F:

MELTING POINT: NO DATA AVAILABLE



U.S. FEDERAL REGULATIONS  
TSCA (TOXIC SUBSTANCE CONTROL ACT):  
CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):  
SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):

SECTION 15: REGULATORY INFORMATION

SECTION 14 NOTES:

OTHER AGENCIES:

AIR TRANSPORTATION  
PROPER SHIPPING NAME:  
HAZARD CLASS:  
ID NUMBER:  
PACKING GROUP:  
LABEL STATEMENTS:

WATER TRANSPORTATION  
PROPER SHIPPING NAME:  
HAZARD CLASS:  
ID NUMBER:  
PACKING GROUP:  
LABEL STATEMENTS:

U.S. DEPARTMENT OF TRANSPORTATION  
PROPER SHIPPING NAME:  
HAZARD CLASS:  
ID NUMBER:  
PACKING GROUP:  
LABEL STATEMENT:

SECTION 14: TRANSPORT INFORMATION

SECTION 13 NOTES:

SECTION 13: DISPOSAL CONSIDERATIONS (cont')

RCRA HAZARD CLASS:  
WASTE DISPOSAL METHOD: ENSURE THAT DISPOSAL IS IN COMPLIANCE WITH LOCAL, NATIONAL REGULATION

SECTION 13: DISPOSAL CONSIDERATIONS

SECTION 12 NOTES: NO DATA AVAILABLE

ECOLOGICAL INFORMATION: NO DATA AVAILABLE

SECTION 12: ECOLOGICAL INFORMATION

SECTION 11 NOTES:

TOXICOLOGICAL INFORMATION:  
ROLE RANCE LIMIT: 50(50)PPM, 205(200)PPM  
ACTUAL ORAL TOXICITY: LD50(RAT); 5410MG/KG  
SKIN IRRITATION/RABBIT/DRAIZE TEST: NO DATA AVAILABLE



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SECTION 16: OTHER INFORMATION

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OTHER INFORMATION: THIS INFORMATION IS FURNISHED WITHOUT WARRANTY EXPRESSED OR IMPLIED, EXCEPT THAT IT IS ACCURATE TO THE BEST KNOWLEDGE SLAND, THE DATA ON THIS SHEET RELATES ONLY TO THE SPECIFIC MATERIAL DESIGNATED HEREIN, S-LAND, ASSUMES NO LEGAL RESPONSIBILITY FOR USE OR RELIANCE UPON THESE DATA.  
PREPARATION INFORMATION:  
DISCLAIMER:

SECTION 15 NOTES:

311/312 HAZARD CATEGORIES:  
313 REPORTABLE INGREDIENTS:  
STATE REGULATIONS:  
INTERNATIONAL REGULATIONS:

