



MATERIAL SAFETY DATA SHEET

S-LAND BM - Red

SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

COMPANY IDENTIFICATION.....S-LAND CO.,LTD
 Rm305,Seeun Bldg,909 Hwajung-Dong,
 Dukyang-Ku,Koyang-City,Kyunggi-do,Korea

PRODUCT NAME.....S-LAND BM Red
 PRODUCT USE.....PERMANENT MARKER PEN INDUSTRY.
 MATERIAL USE.....PIGMENT.

SECTION 2 COMPOSITION / CHEMICAL CHARACTERIZATION

PRODUCT IDENTIFICATION

Ethyl Alcohol	CAS Number : 64-17-5
PM	:107-98-2
1-Propanol	:71-23-8
Benzyl Alcohol	:100-51-6
Maleic Acid Resin	:26009-09-2
Dye Complex	:65138-66-1

SECTION 3 HAZARDS IDENTIFICATION

May be irritating to respiratory tract, skin and eyes .
 This product is not rapidly ignitable .
 Use only with adequate ventilation .
 Wash thoroughly after handling.

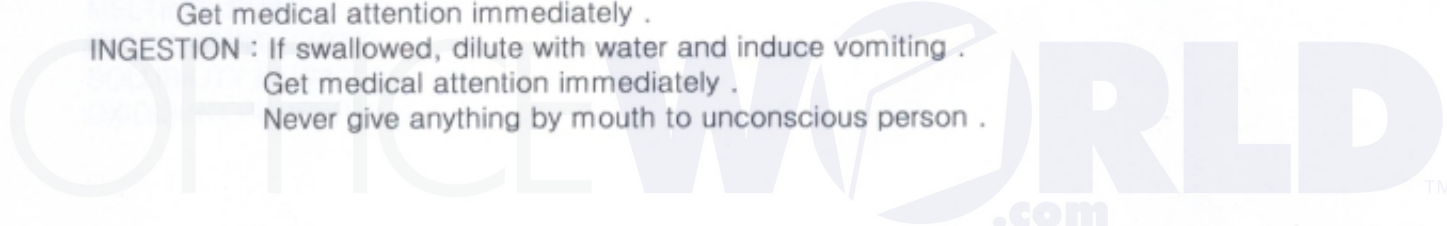
SECTION 4 FIRST AID MEASURES

INHALATION : If inhaled, move to fresh air .
 Perform artificial respiration if necessary .
 Get medical attention immediately .

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 .



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SECTION 5 FIRE FIGHTING MEASURES

Fire and explosion hazard :

Fire hazard when exposed to heat or flame.
Vapour – air mixtures may ignite or explode .

Suitable extinguishing media :

Dry chemical, Water Spray, Foam, CO₂
Gases of CO₂, CO, No_x 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 highpressure water steams.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal precaution	Clean up with appropriate personal equipment (see Section 8) .
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 7 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 .

SECTION 8 EXPOSURE CONTROLS, PERSONAL PROTECTION

Respiratory Protection : Local exhaust ventilation
Air purifying respirator

Hand Protection : Rubber gloves

Eye Protection : Safety goggles

Skin Protection : Impervious clothing

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE : Uniform liquid

ODOUR : Odour like alcohol

PH : 6.0 – 8.5

VISCOSITY : no data available

BOILING POINT : 110°C

MELTING POINT : no data available

FLASH POINT : 27°C

SOLUBILITY IN WATER : insoluble in water

OXIDISING PROPERTIES : None

SECTION 10 STABILITY AND REACTIVITY

STABILITY AND REACTIVITY : Stable under normal condition of storage and use
HAZARDOUS REACTIONS : None
HAZARDOUS DECOMPOSITION: None

SECTION 11 TOXICOLOGICAL INFORMATION

TOLERANCE LIMIT : 50(50)ppm, 205(200)ppm
ACTUAL ORAL TOXICITY : LD50(rat) : 5410mg/kg
SKIN IRRITATION / RABBIT / DRAIZE TEST : no data available
IRRITATION OF MUCOUS/ RABBIT EYES/ DRAIZE TEST : no data available

SECTION 12 ECOLOGICAL INFORMATION

BIODEGADATION : no data available
FISH TOXICITY: no data available

SECTION 13 DISPOSAL CONSIDERATIONS

Ensure that disposal is in compliance with local, national regulations

SECTION 14 TRANSPORT INFORMATION

GGV IMDG CODE : None
ICAO/ IATA ~ DGR : Not restricted
UN No. : Not restricted
RID/ ADR : None

SECTION 15 REGULATORY INFORMATION

no data available

SECTION 16 OTHER INFORMATION

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