



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 .

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 high pressure water streams.

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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