

SECTION 1: CHEMICAL PRODUCT and COMPANY IDENTIFICATION

Product Name: Methylallyl alcohol ; 2-Methyl-2-propene-1-ol

CAS Number 513-42-8

Supplier: Kemele Co.,Ltd
No.43 Dongyue Temple Street,Linyi ,China
www.kemelechem.com

Phone: +86-539-2802060

FAX: +86-539-2802050

Emergency Phone: +86-539-2802060

SECTION 2: HAZARDS IDENTIFICATION

Statement of Hazard: Flammable liquid, Irritant, Respiratory irritant

Acute Health Hazard: Irritant to eyes, skin, mucous membranes and respiratory system.
May be harmful by ingestion, skin absorption and inhalation.

Chronic Health Hazard: Not Available

HMIS Rating: H: 2 F: 3 P: 0

NFPA Rating: H: 2 F: 3 R: 0

To the best of our knowledge, the toxicological properties of this chemical have not been thoroughly investigated. Use appropriate procedures and precautions to prevent or minimize exposure.

Pictogram:

Signal Word: Warning

Hazard Statement(s): H226 Flammable liquid and vapor.
H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.

Precautionary Statement(s):

P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking.
P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301+P312 IF SWALLOWED: call a POISON CENTER or doctor/physician if you feel unwell.
P302+P352 IF ON SKIN: wash with plenty of soap and water.
P304+P340 IF INHALED: Remove victim to fresh air and Keep at rest in a position comfortable for breathing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332+P313 IF SKIN irritation occurs: Get medical advice/attention.
P403+P235 Store in a well-ventilated place. Keep cool.

SECTION 3: COMPOSITION/INFORMATION on INGREDIENTS

Chemical Name:	Methylallyl Alcohol
Synonyms:	2-Methyl-2-propen-1-ol; b-Methylallyl alcohol; Isobutenol
CAS Number:	513-42-8
MDL Number:	MFCD00004737
EINECS Number:	208-161-0
Beilstein Registry Number:	969226
Molecular Formula:	$\text{H}_2\text{C}=\text{C}(\text{CH}_3)\text{CH}_2\text{OH}$
Molecular Weight:	72.11
Content:	As specified in product name.

SECTION 4: FIRST AID MEASURES

Eye Contact:	Flush eyes with large amounts of water for fifteen minutes. Separate eyelids with fingers. If irritation persists, seek medical attention.
Skin Contact:	Wash skin with soap and water. If irritation persists, seek medical attention.
Ingestion:	Do not induce vomiting. Seek medical attention.
Inhalation:	Move to a fresh air environment. Contact a physician if breathing becomes difficult.

SECTION 5: FIRE FIGHTING MEASURES

Flash Point (°C):	32
Explosion Limits:	Not Available
Auto Ignition Temperature (°C):	Not Available
Extinguishing Media:	Carbon dioxide, dry chemical powder, alcohol-resistant foam, or water spray
Protective Equipment:	Wear self-contained respirator and fully protective impervious suit.
Specific Hazards:	May emit hazardous fumes under fire conditions.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Protection:	Wear a self-contained breathing apparatus, rubber boots and gloves, and disposable coveralls. Dispose of coveralls after use. Remove from ignition sources if safe to do so. Follow emergency response plan and contact proper authorities if needed. Keep unprotected persons away.
Environmental Protection:	Keep spills out of sewers and bodies of water. Dike and contain the spill with inert material. Absorb on sand, vermiculite or diatomite. Transfer material to a container for disposal or recovery. Ventilate area and wash spill site after material pickup is complete.

SECTION 7: HANDLING and STORAGE

Handling and Storage:	Avoid breathing dust, vapor, mist or gas. Avoid contact with skin and eyes. Avoid prolonged or repeated exposure. Use only in a chemical fume hood. Open and handle container with care. Keep ignition sources away. Store in a tightly closed container in a dry, well-ventilated place.
Sensitivities:	Not Available
Storage Temperature (°C):	15 to 30

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls:	Use product in a well ventilated area or under a fume hood. Use proper lab equipment while handling this product. Keep away from incompatible materials for possible risk of hazardous reaction.
Eye Protection:	Wear appropriate protective eyeglass or chemical safety goggles. Make sure that there is an eyewash station in your vicinity.
Skin Protection:	Wear impervious gloves and protective clothing.

Respiratory Protection:

Use a NIOSH approved respirator when exposure limits are exceeded or if irritation or other symptoms are experienced.

Exposure Limits:	Country	Source	Type	Value
	USA	ACGIH	TWA	Not Available
	USA	OSHA	STEL	Not Available
	USA	OSHA	PEL	Not Available

SECTION 9: PHYSICAL and CHEMICAL PROPERTIES

Appearance:	Liquid
Odor:	Not Available
Odor Threshold:	Not Available
Flash Point (°C):	32
Auto Ignition Temperature (°C):	Not Available
UEL % by Volume:	Not Available
LEL % by Volume:	Not Available
Melting Point (°C):	Not Available
Boiling Point (°C):	113-115
Evaporation Rate:	Not Available
pH Value:	Not Available
Density (g/cm ³):	0.857
Refractive Index (n ²⁰ _D):	1.426
Viscosity:	Not Available
Solubility in Water:	Soluble
Solubility in Other:	Not Available
Vapor Pressure (mmHg):	Not Available
Vapor Density (Air=1):	Not Available

SECTION 10: STABILITY and REACTIVITY

Stability:	Stable under normal temperatures and pressures.
Incompatibility:	Acid anhydrides, Acid chlorides, Acids, Strong oxidizing agents

Reactivity:	Product may react with incompatible materials to release other hazardous substances.
Conditions to Avoid:	Heat, flame, sparks, other ignition sources.
Hazardous Decomposition Products:	Carbon oxides

SECTION 11: TOXICOLOGICAL INFORMATION

RTECS Reference:	UD5250000
Target Organs:	Not Available
Toxicity Data:	Not Available
Carcinogenicity:	National Toxicology Program (NTP) listed: Not Available International Agency for Research on Cancer (IARC) listed: Not Available
Potential Symptoms:	Not Available

SECTION 12: ECOLOGICAL INFORMATION

Toxicity:	Not Available
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SECTION 13: DISPOSAL CONSIDERATIONS

Contact a licensed professional waste disposal service. Dispose in a manner consistent with federal, state and local environmental regulations.

SECTION 14: TRANSPORT INFORMATION

DOT Shipping Name:	Methallyl Alcohol
DOT UN Number:	UN2614
DOT Hazard Class:	Class 3
DOT Packing Group:	PGIII

IMDG Shipping Name: Methallyl Alcohol
IMDG UN Number: UN2614
IMDG Hazard Class: Class 3
IMDG Packing Group: PGIII
Marine Pollutant: No

IATA:
Methallyl Alcohol
IATA UN Number:
UN2614 Class 3
IATA Hazard Class:
PGIII
IATA Packing Group:

SECTION 15: REGULATORY INFORMATION

United States

Toxic Substance Control Act (TSCA) listed: Yes

Superfund Amendments and Reauthorization Act (SARA 302) listed: No Superfund

Amendments and Reauthorization Act (SARA 311/312) listed: No Superfund

Amendments and Reauthorization Act (SARA 313) listed: No

European Union

European Inventory of Existing Chemical Substances (EINECS): 208-161-0

Canada

Canadian Domestic Substances List (DSL) listed: No Canadian Non-Domestic

Substances List (NDSL) listed: Yes

SECTION 16: OTHER INFORMATION

Date Prepared: 12/15/2014

The information above is presented in good faith. It is believed to be accurate and represents the best information currently available to us. However, we make no warranty with respect to such information and we assume no liability resulting from its use. The user should consider this information as a supplement to other information that may be available and make independent judgement to ensure proper use to protect the health and safety of employees and the environment. Kemele Co., Ltd shall not be held liable for any damage resulting from handling or from contact with the above product.