Safety Data Sheet (SDS)

Preparation Date 2016/10/26

Section 1 - CHEMICALS AND COMPANY IDENTIFICATION

Chemical Identifier	MW-B4
Product Code	MWB4000004
Company Name	PENTEL CO., LTD.
Address	7-2,KOAMICHO,NIHONBASHI,CHUO-KU,TOKYO
Company Contact	QUALITY ASSURANCE DEPARTMENT Ⅰ
Phone Number	03-5695-7210
Fax Number	03-5645-8204
Mail Address	hinpo@pentel.co.jp
Emergency Phone Number	03-5695-7210
Australian Co.	**PENTEL AUSTRALIA PTY LTD**
Address	**UNIT 4, 7-9 ORION ROAD, LANE COVE NSW 2066**
Company Contact	**CUSTOMER SERVICE DEPARTMENT**
Phone Number	**02 9425 4800**
Fax Number	**1300 888 786**
Mail Address	sales@pentel.com.au
Emergency Phone Number	**02 9425 4800**
Recommended Use and Restriction on Use	ink
	EMWL5W,6W、EMWLM,S、EMWL5BF,5SBF、MWL5S,6S、MWL5M,6、MW5S、 MWXN5M,6M、XMWR2、MW50M,60M、MWR1、LMWINK、MWINK、-B

Section 2 - HAZARDS IDENTIFICATION

GHS Classification

Physicochemical Hazards	Flammable liquids Category 2
Health Hazards	Serious eye damage/eye irritation Category 2A
	Germ cell mutagenicity Category 1B
	Reproductive toxicity Category 1A
	Specific target organ toxicity (single exposure) Category 1(kidney,systemic toxicity,central nervous system)
	Specific target organ toxicity (single exposure) Category 3(narcotic effect,respiratory tract irritation)

Specific target organ toxicity (repeated exposure) Category 1(liver)
Specific target organ toxicity (repeated exposure) Category 2(blood vessel,central nervous system,spleen)
Other hazards than mentioned above are Not applicable or Classification not possible.

GHS Label Elements

Symbols

Signal Word: Danger

Hazard Statements:
H225 Highly flammable liquid and vapour
H319 Causes serious eye irritation
H335 May cause respiratory irritation
H336 May cause drowsiness and dizziness
H340 May cause genetic defects
H360 May damage fertility or the unborn child
H370 Causes damage to kidney,systemic toxicity,central nervous system
H372 Causes damage to liver through prolonged or repeated exposure
H373 May cause damage to blood vessel,central nervous system,spleen through prolonged or repeated exposure

Precautionary Statements

Prevention:
Obtain special instructions before use.(P201)
Do not handle until all safety precautions have been read and understood.(P202)
Keep away from heat, sparks, open flames and hot surfaces. No smoking.(P210)
Keep container tightly closed.(P233)

Ground or bond container and receiving equipment.(P240)

Use explosion-proof electrical, ventilating and lighting equipment.(P241)

Use only non-sparking tools.(P242)

	Take precautionary measures against static discharge.(P243)
	Do not breathe mist, vapours and spray.(P260)
	Avoid breathing gas.(P261)
	Avoid breathing mist, vapours and spray.(P261) Avoid breathing dust and fume.(P261)
	Wash hand thoroughly after handling.(P264)
	Wash eye thoroughly after handling.(P264) Do not eat, drink or smoke when using this product.(P270) Use only outdoors or in a well-ventilated area.(P271)
	Wear protective gloves, eye protection and face protection.(P280) Wear protective gloves.(P280)
Response Precautionary Statements	IF ON SKIN or hair: Remove or take off immediately all contaminated clothing. Rinse skin with water or shower.(P303+P361+P353) IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.(P304+P340)
	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.(P305+P351+P338)
	IF exposed or concerned: Get medical advice and attention.(P308+P313) Call a doctor if you feel unwell.(P312)
	Get medical advice and attention if you feel unwell.(P314) Specific treatment.(P321) If eye irritation persists: Get medical advice and attention.(P337+P313) In case of fire: Use appropriate media for extinction.(P370+P378)
Storage Precautionary Statements	Store in a well-ventilated place keeping container tightly closed.(P403+P233)
	Store in a well-ventilated place. Keep cool.(P403+P235) Store locked up.(P405)

Disposal Precautionary Statements	Dispose of contents and container in accordance with local, regional and national regulations (to be specified).(P501)

Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Distinction of Substance or Mixture: Mixture

Chemical Name or Generic Name	Concentration or Its Ranges	Formula	ENCS No./ISHL No.		CAS RN
			ENCS No.	ISHL No.	
Ethanol	42.75%	CH3CH2OH	(2)-202	Existing	64-17-5
Isopropanol	40.99%	CH3CH(OH)CH3	(2)-207	2-(8)-319	67-63-0
Acetone	0.55%	CH3COCH3	(2)-542	Existing	67-64-1

Impurities and/or Stabilizing Additives which: No information available

Section 4 - FIRST AID MEASURES

Inhalation

Remove person to fresh air and keep comfortable for breathing.
Get medical advice and attention if you feel unwell.

Skin Contact

Take off or dispose of all polluted clothes.
If skin irritation or rash occurs, get medical advice and attention.
Immediately rinse skin with water.
Get medical advice and attention if you feel unwell.

Eye Contact

Wash with plenty of soap and water.
Rinse cautiously with water for several minutes.
When the ocular stimulation lasts, Seek medical treatment and advice.
Get medical advice and attention if you feel unwell.

Ingestion

Rinse mouth. Do NOT induce vomiting.
Get medical advice and attention if you feel unwell.

Section 5 - FIRE FIGHTING MEASURES

Extinguishing Media

Small fires: Dry chemical, CO2, water spray or regular foam.

Unsuitable Extinguishing Media	Straight streams.
Protection of Fire Figther	In fire fighting, wear respiratory protection and chemical protective clothing.

Section 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures	Wear appropriate personal protective equipment (Refer to "Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION") and avoid inhalation or contact with eyes and skin.
Environmental Precautions	Do not release into the environment. Pay attention not to cause the influence on the environment by discharging into rivers. This product is water pollutant and should be prevented from contaminating soil or from entering sewage and drainage systems and bodies of water.
Methods and Equipment for Containment and Cleaning up	Stop leak if you can do it without risk. Small spills; cover with DRY earth, DRY sand, or other non-combustible material followed with plastic sheet to minimize spreading or contact with rain. Allow material to solidify, and scrape up. This material creates a fire hazard because it floats on water. If possible, try to contain floating material. After removal, flush contaminated area thoroughly with water. Vapor can be controlled using a water fog. Water Reduce airborne dust and prevent scattering by moistening with water. Small spills; absorb or cover with dry earth, sand or other non-combustible material and transfer to containers for later disposal. Small spills; Use clean non-sparking tools to collect absorbed material. Large spills; prevent flowing out with a dike and collect it at a safe place. Large spills; water spray may reduce vapor, but may not prevent ignition in closed spaces. Small spills; Use clean non-sparking tools to collect material and place it into loosely covered plastic containers for later disposal. Vacuum or sweep up material and place in a disposal container.

		Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container. Remove from water surface by skimming or with suitable absorbents. Do not use dispersants.
Prevention Measures for Secondary Accidents		Removes all ignition sources promptly. (Prohibition of smoking, sparks, and flames in the surrounding area). Prevent flowing into drain, sewage, basement, and closed area. Remove thoroughly since the smooth and slippery surface will be formed on the floor.

Section 7 - HANDLING AND STORAGE

Handling	Technical Measures	Provide ventilation system and use necessary personal protective equipment as described in "Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION".
	Precautions for Safe Handling	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Prohibit use of heat, sparks, and fire in the surrounding area. Do not handle containers with such manners as tumbling down, falling, exposing to shock, or dragging. Do not eat, drink or smoke when using this product. Wash hand thoroughly after handling. Do not breathe mist, vapours and spray. Ventilate the exhaust to keep the concentration in the air below the exposure limit. Use exhaust ventilation. Do not contact, breathe or swallow.
	Prevents Handling of Imcompatible Substances or Mixtures	Refer to "Section 10 - STABILITY AND REACTIVITY".
	Specific Hygine Measures	Wash hand thoroughly after handling.
Storage Precautionary Statements	Technical Measures	The storage facility should be provided with necessary lighting, lighting equipment, and ventilator to store and handle dangerous goods. Refer to "Section 10 - STABILITY AND REACTIVITY". Have containers keep away from direct sunlight and heat. Keep away from heat.

		Store in a tightly closed container. Store locked up.
	Material Used in Packaging/Containers	Use containers prescribed in the "Fire Service Law (Japan)" and the "UN Transport Regulations".

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls		Use explosion-proof electrical, ventilating and lighting equipment. Take precautionary measures against static discharge. Workplace storing or handling this product should be equipped with eyewashing station and safety shower. Install ventilation system to keep exposure to airborne contaminants below the exposure limit if vapor, fume, mist generates in the process handling at elevated temperature. Install ventilation system to keep exposure to airborne contaminants below the exposure limit if gas generates in the process handling at elevated temperature. Install ventilation system if vapor, fume, mist generates in the process handling at elevated temperature. Install ventilation system if gas generates in the process handling at elevated temperature. Good general ventilation should be sufficient to control airborne levels. No special ventilation requirements. Facilities storing or utilizing this product should be equipped with an eyewash facility and safety shower.
Personal Protective Equipment	Respiratory Protection	Use personal respiratory equipment as required. Wear an adequate protective apparatus for respiratory organs.
	Hand Protection	Wear protective gloves.
	Eye Protection	Wear eye protection. Protection glasses (ordinary glasses, ordinary glasses with side shields, and goggles).
	Skin and Body	Wear face protection. Use personal protective clothing and face protection as required.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Physical State	liquid

	Form	liquid
	Colour	red
Odour		alcoholic
Odour threshold		No data available
pH		No data available
Melting Point/Freezing Point		No data available
Initial Boiling Point and Boiling Ranges		No data available
Flash Point		14.0℃ （Tag Closed Cup）
Evaporation Rate		No data available
Flammability (solid, gas)		No data available
Flammability or Explosive Limits	Lower Limit	No data available
	Upper Limit	No data available
Vapour Pressure		No data available
Vapour Density		No data available
Specific Gravity (Density)		No data available
Partition Coefficient : n-Octanol/Water		No data available
Auto-Ignition Temperature		No data available
Decomposition Temperature		No data available
Viscosity		No data available
Kinematic viscosity		No data available

Section 10 - STABILITY AND REACTIVITY

Reactivity	No data available
Chemical stability	No data available
Possibility of Hazardous Reaction	No data available
Conditions to Avoid	No data available
Imcompatible Substances or Mixtures	No data available
Hazardous Decomposition Products	No data available

Section 11 - TOXICOLOGICAL INFORMATION

Acute Toxicity	No information available

Skin Corrosion/Irritation	No data available
Serious eye damage/eye irritation	No data available
Respiratory or Skin Sensitization	No data available
Germ Cell Mutagenicity	No data available
Carcinogenicity	No data available
Reproductive Toxicity	No data available
Specific target organ toxicity (single exposure)	No data available
Specific target organ toxicity (repeated exposure)	No data available
Aspiration Hazard	No data available

Section 12 - ECOLOGICAL INFORMATION

Hazardous to the aquatic	No data available
Hazardous to the aquatic	No data available
Hazardous to the ozone	No data available

Section 13 - DISPOSAL CONSIDERATIONS

Residual Waste	Disposal should be in accordance with applicable regulations and standards by the respective local governments. Commission a waste disposal company, or a local public body who are licensed by local or regional government, to dispose of the material.
Contaminated Container and Packaging	Recycle containers after cleansing, or carry out the disposal under the related laws and regulations and the standards of the local governments.

Section 14 - TRANSPORT INFORMATION

International Regulations	Regulatory Information by Sea	Conform to the provisions of IMO.

	UN No.	1263
	Proper Shipping Name	PAINT
	Class	3
	Packing Group	Ⅱ
	Marine Pollutant	Not applicable
	Transport in bulk according to MARPOL 73/78,Annex Ⅱ,and the IBC code	Not applicable
	Regulatory Information by Air	Conform to the provisions of ICAO/IATA.
	UN No.	1263
	Proper Shipping Name	PAINT
	Class	3
	Packing Group	Ⅱ
Regulations in Japan	Regulatory Information by Road or Rail	Not applicable
	Regulatory Information by Sea	Conform to the provisions of the Ship Safety Law.
	UN No.	1263
	Proper Shipping Name.	PAINT
	Class	3
	Packing Group	Ⅱ
	Marine Pollutant	Not applicable
	Transport in bulk	Not applicable
	Regulatory Information by Air	Conform to the provisions of the Ship Safety Law.
	UN No.	1263
	Proper Shipping Name.	PAINT
	Class	3
	Packing Group	Ⅱ

Emergency Response Guide Number	Not applicable

Section 15 - REGULATORY INFORMATION

Regulatory information with regard to this product in your country or in your region should be examined

Section 16 - OTHER INFORMATION

Information Contact	No information available
Other Property	This information is furnished without warranty express or implied. This information is believed to be accurate to the best knowledge of PENTEL Co., Ltd. but not assumes leagal responsibility for use of or reliance upon this information.