

Safety Data Sheet (SDS)

Preparation Date 2017/02/15

Section 1 – CHEMICALS AND COMPANY IDENTIFICATION

Chemical Identifier	ODF6—A
Product Code	ODF6A00001
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
Recommended Use and Restriction on Use	ink M10-A

Section 2 – HAZARDS IDENTIFICATION

GHS Classification

Physicochemical Hazards	Flammable liquids Category 3
Health Hazards	Acute toxicity – dermal Category 4 Acute toxicity – inhalation (vapour) Category 3 Serious eye damage/eye irritation Category 1 Sensitization – respiratory Category 1 Sensitization – skin Category 1 Reproductive toxicity Category 1B Specific target organ toxicity (single exposure) Category 1(kidney,testis,central nervous system) Specific target organ toxicity (single exposure) Category 2(liver) Specific target organ toxicity (repeated exposure) Category 1(testis,hematopoietic system,central nervous system)
Environmental Hazards	Hazardous to the aquatic environment (acute) Category 3 Hazardous to the aquatic environment (long-term) Category 3 Other hazards than mentioned above are Not applicable or Classification not possible.

GHS Label Elements

Symbols



Signal Word	Danger
Hazard Statements	H226 Flammable liquid and vapour H312 Harmful in contact with skin H317 May cause an allergic skin reaction H318 Causes serious eye damage H331 Toxic if inhaled H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled

	H360 May damage fertility or the unborn child H370 Causes damage to kidney, testis, central nervous system H371 May cause damage to liver H372 Causes damage to testis, hematopoietic system, central nervous system through prolonged or repeated exposure H412 Harmful to aquatic life with long lasting effects
Precautionary Statements	
Prevention	Keep container tightly closed.(P233)
Precautionary Statements	
	Wear protective gloves, eye protection and face protection.(P280) Avoid breathing mist, vapours and spray.(P261) Wash hand 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) Keep cool.(P235)
Response	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.(P304+P340) Get medical advice and attention if you feel unwell.(P314)
Precautionary Statements	IF ON SKIN: Wash with plenty of soap and water.(P302+P352) If skin irritation or rash occurs, get medical advice and attention.(P333+P313) 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 eye irritation persists: Get medical advice and attention.(P337+P313)
Storage	Store in a well-ventilated place keeping container tightly closed.(P403+P233)
Precautionary Statements	Store locked up.(P405)
Disposal	Dispose of contents and container in accordance with local, regional and national regulations (to be specified).(P501)
Precautionary Statements	

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.	
2-Ethoxyethanol	5%	CH ₃ CH ₂ O CH ₂ CH ₂ OH	(2)-411 (2)-2424	Existing	110-80-5
2-Methoxyethanol	50.9%	CH ₃ OCH ₂ CH ₂ OH	(2)-405	Existing	109-86-4
2-(2-Methoxyethoxy) ethanol	5%		(2)-422 (2)-2979 (7)-97	Existing	111-77-3

1-Propanol	10%	CH ₃ CH ₂ C H ₂ OH	(2)-207	Existing	71-23-8
Benzyl alcohol	0.3%	C ₇ H ₅ O	(3)-1011	Existing	100-51-6
Rosin	4%		Unknown	Unknown	8050-09-7

Impurities and/or
Stabilizing Additives which
Contribute to the

No information available

Section 4 – FIRST AID MEASURES

Inhalation

If breathing is difficult, move affected person to the open air. Keep him or her at rest to allow easier breathing.
Get medical advice and attention if you feel unwell.

Skin Contact

Wash with plenty of soap and water.
If skin irritation or rash occurs, get medical advice and attention.

Eye Contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
When the ocular stimulation lasts, Seek medical treatment and advice.

Ingestion

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

Section 5 – FIRE FIGHTING MEASURES

Extinguishing Media

Protection of Fire Figther

Dry chemicals, CO₂, water spray or regular foam.
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

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.
Stop leak if you can do it without risk.

Methods and Equipment
for Containment and
Cleaning up

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.
Absorb or cover with dry earth, sand or other non-combustible material and transfer to
After removal, flush contaminated area thoroughly with water.
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.

Prevention Measures for Secondary Accidents

Remove from water surface by skimming or with suitable absorbents. Do not use dispersants.
Prevent flowing into drain, sewage, basement, and closed area.
Removes all ignition sources promptly. (Prohibition of smoking, sparks, and flames in the surrounding 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	Do not eat, drink or smoke when using this product. Wash hand thoroughly after handling. Avoid breathing mist, vapours and spray. Avoid contact with eyes. Do not contact, breathe or swallow. Use only outdoors or in a well-ventilated area. Use exhaust ventilation. Protect from high temperature and direct sunlight.
Storage Precautionary Statements	Prevents Handling of Incompatible Substances or Mixtures	Refer to "Section 10 – STABILITY AND REACTIVITY".
	Specific Hygiene Measures	Wash hand thoroughly after handling.
	Technical Measures	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/Container	Use containers prescribed in the "Fire Service Law (Japan)" and the "UN Transport Regulations".

Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls		Good general ventilation should be sufficient to control airborne levels.
Personal Protective Equipment	Respiratory Protection	In case of inadequate ventilation wear respiratory protection. Use personal respiratory equipment as required.
	Hand Protection	Wear protective gloves.
	Eye Protection	Wear eye protection. Protection glasses (ordinary glasses, ordinary glasses with side shields, and goggles).
	Skin and Body Protection	Use personal protective clothing and face protection as required.

Section 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Physical State	liquid
	Form	liquid
	Colour	black
Odour		characteristic
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	24°C (unknown)
Evaporation Rate	No data available
Flammability (solid, gas)	No data available
Flammability or Explosive Limits	No data available
	Lower Limit
	Upper Limit
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	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
Incompatible 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 environment (acute)	No data available
Hazardous to the aquatic environment (long-term)	No data available
Hazardous to the ozone layer	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.

When commissioning the disposal to a disposal company, notify the danger and toxicity thoroughly to the company.

Do not release waste liquid containing the product and used water for cleansing into rivers, etc., or do not discharge the concerned wastes intact for reclamation.

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.

In case of disposal of empty containers, remove the content thoroughly.

Section 14 – TRANSPORT INFORMATION

International Regulations

Regulatory
Information by Sea

Conform to the provisions of IMO.

UN No.

1263

Proper Shipping
Class

PAINT RELATED MATERIAL

3

Packing Group

III

Marine Pollutant

Not applicable

Transport in bulk
according to

Not applicable

MARPOL

73/78,Annex II ,and
the IBC code

Regulatory

Conform to the provisions of ICAO/IATA.

Information by Air

UN No.

1263

Proper Shipping
Class

PAINT RELATED MATERIAL

3

Packing Group

III

Regulations in Japan

Regulatory

Not applicable

Information by Road
or Rail

Regulatory

Conform to the provisions of the Ship Safety Law.

Information by Sea

UN No.

1263

Proper Shipping
Name.

PAINT RELATED MATERIAL

Class

3

Packing Group

III

Marine Pollutant

Not applicable

Transport in bulk
according to

Not applicable

MARPOL

73/78,Annex II ,and
the IBC code

Regulatory

Conform to the provisions of the Ship Safety Law.

Information by Air

UN No.

1263

Proper Shipping
Name.

PAINT RELATED MATERIAL

	Class	3
	Packing Group	III
Emergency Response		128
Guide Number		

Section 15 – REGULATORY INFORMATION

Regulatory information with regard to this product in your country or in your region should be examined by your own responsibility.

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 legal responsibility for use of or reliance upon this information.