

## Safety Data Sheet (SDS)

Preparation Date 2015/09/28

Revision Date 2017/09/04

## Section 1 - CHEMICALS AND COMPANY IDENTIFICATION

Chemical Identifier	OPF8-W
Product Code	OPF8W00002
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, 12 Mars Road, Lane Cove West NSW 2066
Phone Number	02 9425 4800
ABN	72 008 457 725
Recommended Use and Restriction on Use	ink
	MMP20-W, MSP20-W, MWP30-W, MMPINK-W

## Section 2 - HAZARDS IDENTIFICATION

## GHS Classification

Physicochemical Hazards	Flammable liquids Category 3
Health Hazards	Serious eye damage/eye irritation Category 2B Carcinogenicity Category 2 Specific target organ toxicity (single exposure) Category 3(narcotic effect,respiratory tract irritation)
Environmental Hazards	Hazardous to the aquatic environment (acute) Category 2 Hazardous to the aquatic environment (long-term) Category 2 Other hazards than mentioned above are Not applicable or Classification not possible.

## GHS Label Elements

## Symbols



Signal Word	Warning
Hazard Statements	H226 Flammable liquid and vapour

	H320 Causes eye irritation H335 May cause respiratory irritation H336 May cause drowsiness and dizziness H351 Suspected of causing cancer H411 Toxic to aquatic life with long lasting effects
Precautionary Statements	
Prevention	Do not handle until all safety precautions have been read and understood.(P202)
Precautionary Statements	Keep away from heat, sparks, open flames and hot surfaces. No smoking.(P210) Keep container tightly closed.(P233) Avoid breathing gas.(P261) Avoid breathing mist, vapours and spray.(P261) Avoid breathing dust and fume.(P261) Wash eye thoroughly after handling.(P264) Wash hand thoroughly after handling.(P264) Use only outdoors or in a well-ventilated area.(P271)
Response	Wear protective gloves, eye protection and face protection.(P280) IF ON SKIN: Wash with plenty of soap and water.(P302+P352)
Precautionary Statements	If skin irritation or rash occurs, get medical advice and attention.(P333+P313) 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) IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.(P305+P351+P338)
Storage	If eye irritation persists: Get medical advice and attention.(P337+P313)
Precautionary Statements	Store in a well-ventilated place keeping container tightly closed.(P403+P233)
Disposal	Store locked up.(P405)
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	Concentration or Its	Formula	ENCS No./ISHL No.	CAS RN
--------------------------	----------------------	---------	-------------------	--------

Name	Ranges	Formula	ENCS No.	ISHL No.	CAS No.
Propyleneglycol monomethylether acetate	47.5%		(2)-3144	Existing	108-65-6
Ethylcyclohexane	10%	C <sub>8</sub> H <sub>16</sub>	(3)-2231	Existing	1678-91-7
Titanium dioxide	31.88%	TiO <sub>2</sub>	(1)-558 (5)-5225	Existing	13463-67-7
Nitrocellulose	4.25%		(8)-176	Existing	9004-70-0

Impurities and/or  
Stabilizing Additives which  
Contribute to the  
Classification

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

Wash with plenty of soap and water.

If skin irritation or rash occurs, get medical advice and attention.

Get medical advice and attention if you feel unwell.

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

Dry chemicals, CO<sub>2</sub>, water spray or regular foam.

Unsuitable Extinguishing

Straight streams.

Media

Protection of Fire Fighter

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.

Methods and Equipment  
for Containment and  
Cleaning up

This product is water pollutant and should be prevented from contaminating soil or from entering sewage and drainage systems and bodies of water.

Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.

Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container.

Vacuum or sweep up material and place in a disposal container.

Remove from water surface by skimming or with suitable absorbents. Do not use dispersants.

Prevention Measures for  
Secondary Accidents

Allow material to solidify, and scrape up.

After removal, flush contaminated area thoroughly with water.

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

Do not handle until all safety precautions have been read and understood.

Prohibit use of heat, sparks, and fire in the surrounding area.

Wash hand thoroughly after handling.

Avoid contact with eyes.

Use exhaust ventilation.

Avoid breathing dust and fume.

Avoid breathing gas.

Avoid breathing mist, vapours and spray.

Handle at a well-ventilated place.

Protect from high temperature and direct sunlight.

#### Prevents Handling of Incompatible Substances or Mixtures

Refer to "Section 10 - STABILITY AND REACTIVITY".

#### Specific Hygiene Measures

Wash hand thoroughly after handling.

Storage Precautionary Statements	Conditions for Safe Storage	<p>The storage facility should be designed with fire-proof construction and beams should use a non-combustible material.</p> <p>The roof of a storage facility should be made of a non-combustible material and use metals or other lightweight non-combustible materials. No ceiling should be installed.</p> <p>The storage floor should be protected from water penetration, or should have water-proof construction.</p> <p>The storage floor should have penetration-proof construction against dangerous goods and be inclined adequately. A proper sump should be provided to catch any spills.</p> <p>The storage facility should be provided with necessary lighting, lighting equipment, and ventilator to store and handle dangerous goods.</p> <p>Refer to "Section 10 - STABILITY AND REACTIVITY".</p> <p>Keep away from heat, sparks, open flames and hot surfaces. No smoking.</p> <p>Have containers keep away from direct sunlight and heat.</p> <p>Store in a well-ventilated and cool place keeping container tightly closed.</p> <p>Store locked up.</p>
	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		<p>Use explosion-proof electrical, ventilating and lighting equipment.</p> <p>Good general ventilation should be sufficient to control airborne levels.</p>
Personal Protective Equipment	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	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	white
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 (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
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	<p>Disposal should be in accordance with applicable regulations and standards by the respective local governments.</p> <p>Commission a waste disposal company, or a local public body who are licensed by local or regional government, to dispose of the material.</p> <p>When commissioning the disposal to a disposal company, notify the danger and toxicity thoroughly to the company.</p> <p>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.</p>
Contaminated Container and Packaging	<p>Recycle containers after cleansing, or carry out the disposal under the related laws and regulations and the standards of the local governments.</p> <p>In case of disposal of empty containers, remove the content thoroughly.</p>

## Section 14 - TRANSPORT INFORMATION

International Regulations	Regulatory Information by Sea	Conform to the provisions of IMO.
	UN No.	1263
	Proper Shipping Name	PAINT RELATED MATERIAL
	Class	3
	Packing Group	III
	Marine Pollutant	Not applicable

	Transport in bulk according to MARPOL 73/78, Annex II, and the IBC code	Not applicable
Regulations in Japan	Regulatory Information by Air	Conform to the provisions of ICAO/IATA.
	UN No.	1263
	Proper Shipping Name	PAINT RELATED MATERIAL
	Class	3
	Packing Group	III
	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 RELATED MATERIAL
	Class	3
	Packing Group	III
	Marine Pollutant	Not applicable
Emergency Response Guide Number	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 the Civil Aeronautics Law.
	UN No.	1263
	Proper Shipping Name.	PAINT RELATED MATERIAL
	Class	3
	Packing Group	III
		128

#### 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 leagal responsibility for use of or reliance upon this information.