

## Safety Data Sheet (SDS)

Preparation Date 2015/02/26

Revision Date 2022/02/24

## Section 1 – CHEMICALS AND COMPANY IDENTIFICATION

Chemical Identifier ODF13-D  
 Product Code ODF13D0001  
 Name of Supplier 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 ink

Australian Company Pentel Australia Pty Ltd  
 Address Unit 4, 12 Mars Road, Lane Cove NSW 2066  
 Phone 1300 88 87 86  
 Emergency Phone 02 9425 4800  
 ABN 72 008 457 725

NLF50,60-A(Black), B(Red), C(Blue),  
 D(Green)

## Section 2 – HAZARDS IDENTIFICATION

## GHS Classification of the Chemical

Physicochemical Hazards Flammable liquids Category 2  
 Health Hazards Serious eye damage/eye irritation Category 2A  
 Carcinogenicity Category 1A  
 Reproductive toxicity Category 1A  
 Specific target organ toxicity (single exposure)  
 Category 1(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,blood)  
 Specific target organ toxicity (repeated exposure)  
 Category 2(respiratory apparatus,central nervous system,spleen)  
 Other hazards than mentioned above are Not classified (Not applicable) or Classification not possible.

## GHS Label Elements

## Pictograms



## Signal Word

Danger

Hazard Statements	<p>H319 Causes serious eye irritation</p> <p>H350 May cause cancer</p> <p>H225 Highly flammable liquid and vapour</p> <p>H335 May cause respiratory irritation</p> <p>H336 May cause drowsiness or dizziness</p> <p>H360 May damage fertility or the unborn child</p> <p>H370 Causes damage to systemic toxicity, central nervous system</p> <p>H372 Causes damage to liver, blood through prolonged or repeated exposure</p> <p>H373 May cause damage to respiratory apparatus, central nervous system, spleen through prolonged or repeated exposure</p>
Precautionary Statements	
Prevention	<p>Avoid breathing mist/vapours/spray.(P261)</p> <p>Wear protective gloves/protective clothing/eye protection/face protection.(P280)</p> <p>Keep container tightly closed.(P233)</p> <p>Keep cool.(P235)</p> <p>Wash hand thoroughly after handling.(P264)</p> <p>Do not eat, drink or smoke when using this product.(P270)</p> <p>Use only outdoors or in a well-ventilated area.(P271)</p>
Response	<p>IF INHALED: Remove person to fresh air and keep comfortable for breathing.(P304+P340)</p> <p>Get medical advice and attention if you feel unwell.(P314)</p> <p>IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.(P305+P351+P338)</p> <p>If eye irritation persists: Get medical advice/attention.(P337+P313)</p> <p>If skin irritation or rash occurs: Get medical advice/attention.(P333+P313)</p>
Storage	<p>Store in a well-ventilated place. Keep container tightly closed.(P403+P233)</p> <p>Store locked up.(P405)</p>
Disposal	<p>Dispose of contents and container in accordance with local, regional and national regulations (to be specified).(P501)</p>

## 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	66.7%	CH <sub>3</sub> CH <sub>2</sub> OH	(2)-202	Existing	64-17-5
Isopropanol	10.5%	CH <sub>3</sub> CH(OH)CH <sub>3</sub>	(2)-207	Existing	67-63-0
Acetone	0.86%	CH <sub>3</sub> COCH <sub>3</sub>	(2)-542	Existing	67-64-1

Benzyl alcohol	4%	C7H5O	(3)-1011	Existing	100-51-6
----------------	----	-------	----------	----------	----------

#### 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

Suitable Extinguishing

Dry chemicals, CO<sub>2</sub>, fog, alcohol-resistant foam or sand.

Media

Unsuitable Extinguishing

Straight streams.

Media

Special Protective

In fire fighting, wear respiratory protection and chemical protective clothing.

Equipment and

Precautions for Fire-

#### 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.

After removal, flush contaminated area thoroughly with water.

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

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

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

Avoid breathing mist, vapours and spray.  
Wash hand thoroughly after handling.  
Do not eat, drink or smoke when using this product.

Avoid swallowing.  
Avoid contact with skin.  
Use exhaust ventilation.  
Avoid contact with eyes.  
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

Conditions for Safe Storage

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.

Safe Materials Used in Packagings/Containers

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	Wear an adequate protective apparatus for respiratory organs.
	Hand Protection	Wear protective gloves.
	Eye/Face Protection	Wear face protection.
		Wear eye protection.
		Protection glasses (ordinary glasses, ordinary glasses with side shields, and goggles).

#### Section 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical State	liquid
Form	liquid
Colour	green
Odour	alcoholic
Melting Point/Freezing Point	No data available
Boiling Point or Initial Boiling Point and Boiling Ranges	No data available
Flammability	No data available
Lower and Upper Explosion Limit /	No data available
Flash Point	14.5°C (Tag Closed Cup)
Auto-Ignition Temperature	No data available
Decomposition Temperature	No data available
pH	No data available
Kinematic Viscosity	No data available
Solubility	No data available
Partition Coefficient : n-Octanol/Water	No data available
Vapour Pressure	No data available
Density and/or Relative Density	No data available
Relative Gas Density	No data available
Particle Characteristics	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 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 Sensitization	No data available
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, Short-Term (Acute)	No data available
Hazardous to the Aquatic Environment, Long-Term (Chronic)	No data available
Ecotoxicity	No data available
Persistence	No data available
Bioaccumulative Potential	No data available
Mobility in Soil	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>
----------------	---

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 3
	Packing Group	II
	Marine Pollutant	Not applicable

	Liquid Substance Transported in Bulk According to MARPOL 73/78, Annex II, the IBC Code	Not applicable
	Regulatory Information by Air	Conform to the provisions of ICAO/IATA.
	UN No.	1263
	Proper Shipping Class	PAINT 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
	Liquid Substance Transported in Bulk According to MARPOL 73/78, Annex II, 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
	Class	3
	Packing Group	II
Emergency Response Guide Number		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
Literature References	JIS Z 7253:2019
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.