

Safety Data Sheet (SDS)

Preparation Date 2012/10/03

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Section 1 – CHEMICALS AND COMPANY IDENTIFICATION

Chemical Identifier ODF4-A
 Product Code ODF4A00001
 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 ink
 and Restriction on Use
 N50-A、N60-A、M180-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 4
 Skin corrosion/irritation Category 2
 Serious eye damage/eye irritation Category 2A
 Reproductive toxicity Category 1B
 Specific target organ toxicity (single exposure) Category 1(liver,respiratory apparatus,kidney,central nervous system)
 Specific target organ toxicity (single exposure) Category 3(narcotic effect)
 Specific target organ toxicity (repeated exposure) Category 1(respiratory apparatus,nervous system)
 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 Danger
 Hazard Statements H312+H332 Harmful in contact with skin or if inhaled
 H226 Flammable liquid and vapour
 H315 Causes skin irritation
 H319 Causes serious eye irritation
 H336 May cause drowsiness or dizziness
 H360 May damage fertility or the unborn child

	H370 Causes damage to liver, respiratory apparatus, kidney, central nervous system H372 Causes damage to respiratory apparatus, nervous system through prolonged or repeated exposure H411 Toxic to aquatic life with long lasting effects
Precautionary Statements	
Prevention	Keep container tightly closed.(P233)
Precautionary Statements	Wear protective gloves and protective clothing.(P280) Avoid breathing gas.(P261) Avoid breathing dust and fume.(P261) 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) IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.(P305+P351+P338) Get medical advice and attention if you feel unwell.(P314) If skin irritation occurs: Get medical advice and attention.(P332+P313) If eye irritation persists: Get medical advice and attention.(P337+P313)
Precautionary Statements	
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.	
Xylene	71.2%	C ₈ H ₁₀	(3)-3 (3)-60	Existing	1330-20-7
Ethylene glycol monophenyl ether	3.1%		(3)-558 (7)-78 (9)-1277	Existing	122-99-6
Isobutyl alcohol	3%	C ₄ H ₁₀ O	(2)-3049	Existing	78-83-1

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.
Specific treatment.
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
Unsuitable Extinguishing
Media
Protection of Fire Fighter

Dry chemicals, CO₂, water spray or regular foam.
Straight streams.

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.
After removal, flush contaminated area thoroughly with water.
Absorb or cover with dry earth, sand or other non-combustible material and transfer to 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.
Do not get water inside containers.
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.
Use exhaust ventilation.
Avoid contact with eyes.
Avoid breathing mist, vapours and spray.
Avoid breathing gas.
Avoid swallowing.
Avoid contact with skin.
Handle at a well-ventilated place.
Protect from high temperature and direct sunlight.

Prevents Handling of Incompatible Substances or Mixtures
Specific Hygiene Measures

Refer to "Section 10 – STABILITY AND REACTIVITY".

Storage Precautionary Statements

Conditions for Safe Storage

Wash hand thoroughly after handling.
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

Packaging materials and containers are not legislated, but use sturdy and closed-type containers.

Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls

Good general ventilation should be sufficient to control airborne levels.

Personal Protective Equipment

Respiratory Protection

Use personal respiratory equipment as required.

Hand Protection
Eye Protection

Wear protective gloves.
Wear eye protection.
Protection glasses (ordinary glasses, ordinary glasses with side shields, and goggles).

Skin and Body Protection

Wear suitable protective clothing.

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		24.1°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		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 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 (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.

Contaminated Container and Packaging

Commission a waste disposal company, or a local public body who are licensed by local or regional government, to dispose of the material. 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 Class

PAINT

Class

3

Packing Group

III

Marine Pollutant

Not applicable

Transport in bulk according to MARPOL

Not applicable

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

Class

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

Class

3

Packing Group

III

Marine Pollutant

Not applicable

Transport in bulk according to MARPOL

Not applicable

73/78,Annex II ,and the IBC code

Regulatory

Conform to the provisions of the Civil Aeronautics

Information by Air

Law.

UN No.

1263

Proper Shipping Name.

PAINT

Class

3

Packing Group

III

Emergency Response

Not applicable

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

Other Property

No information available

This information is furnished without warranty express or implied.

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