

Product Name: IJ Primer PR-200

SDS No. 037-O065965 First issue: 2021/01/29 Revised: 2023/11/29

1. IDENTIFICATION

Product Identifier IJ Primer PR-200

Product code PR200-Z-22/PR200-Z-60/PR200-Z-BA/PR200-Z-B2

Ink Ver. 3

Recommended use and restriction use IJ Ink Primer of UV Cure ink Manufacturer MIMAKI ENGINEERING CO., LTD.

Address 2182-3 Shigeno-otsu, Tomi-shi, Nagano 389-0512 JAPAN

Telephone number +81-268-64-2413

Importer / Distributor Information MIMAKI SINGAPORE PTE. LTD.

31 Kaki Bukit Road 3 Singapore 417818 TechLink #02-03

+65-6508-2789

Emergency telephone number +65 3165 2217 (within Singapore only)

+65 3158 1074

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATION

Health hazards Skin corrosion/irritation Category 2

Serious eye damage/eye irritation Category 2A

Sensitization - skin Category 1

Specific target organ toxicity (single exposure) Category 3 (respiratory

tract irritation)

Environmental Hazards Hazard to the aquatic environment (acute hazard) Category 1

Hazard to the aquatic environment (long-term hazard) Category 1

GHS LABEL ELEMENTS

Pictograms





Signal Word Warning

Hazard Statements H315 Causes skin irritation

H319 Causes serious eye irritation

H317 May cause an allergic skin reaction H335 May cause respiratory irritation

H410 Very toxic to aquatic life with long lasting effects

Precautionary Statements

Prevention Avoid breathing mist, vapours and spray. (P261)

Wash thoroughly after handling.(P264)

Use only outdoors or in a well-ventilated area(P271)

Contaminated work clothing should not be allowed out of the

workplace.(P272)

Avoid release to the environment(P273)

Wear protective gloves, eye protection and face protection.(P280)

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Response IF ON SKIN: Wash with plenty of soap and water(P302+P352)

IF INHALED: Remove person to fresh air and keep 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)

Call a POISON CENTER/doctor. If you feel unwell.(P312)

Specific treatment.(P321)

If skin irritation or rash occurs: Get medical

advice/attention(P333+P313)

If eye irritation persists: Get medical advice/attention(P337+P313)

Take off contaminated clothing and wash it before reuse.(P362+P364)

Collect spillage(P391)

Storage Store in a well-ventilated place. Keep container tightly

closed.(P403+P233)
Store locked up(P405)

Disposal Dispose of contents/ container to an approved landfill.(P501)

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical name	Contents	Chemical Formula	CAS RN	
Aliphatic monomer	80-90%	Unknown	Confidential	
aromatic monomer	1-10%	Unknown	Confidential	
Polyester Oligomer	<5%	Unknown	Confidential	
Photopolymerization initiator	<5%	Unknown	Confidential	

Other<1%</th>UnknownConfidential2,6-Di-tert-butyl-p-cresol (BHT)<0.2%</td>Unknown128-37-0

4. FIRST-AID MEASURES

Substances or mixtures

In case of inhalation Call a doctor if you feel unwell.

In case of skin contact IF ON SKIN: Wash with plenty of soap and water.

Mixtures

If skin irritation occurs: Get medical advice and attention.

In case of eye contact IF IN EYES: Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue rinsing.

In case of ingestion Rinse mouth.

IF SWALLOWED: Call a doctor if you feel unwell.

5. FIRE-FIGHTING MEASURES

Suitable fire-extinguishing media Dry chemical, alcohol-resistant foam, CO2, sand.

Not suitable extinguishing media Cylindric water.

Specific hazards arising from the Risk of producing harmful gases such as carbon monoxide. Avoid

the control of the co

chemical inhalation of smoke or gases.



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Special protective actions for fire

fighters

Use goggles in combination with dust mask, and another protections as

appropriate to situation.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Use goggles in combination with dust mask, and another protections as

appropriate to situation.

Large spills :Evacuate area. Ensure adequate ventilation.

Environmental precautions

Do not discharge into the drains, surface waters or ground water

directly.

Methods and materials for containment

and cleaning up

small spill : absorb with material such as non-combustible materialwash

thoroughly after handling

Large spills: Dike spills and dispose of in safe area.

Prevention Measures for Secondary

Accidents

Keep away from sources of ignition and prepare extinguishing media.

Risk of slipping. Spilled material forms slippery floor.

Do not recklessly walk on the spillage.

7. HANDLING AND STORAGE

Handling

Technical measures Use local exhaust ventilation in case of production of fume or mist.

Facilities storing or utilizing this material should be equipped with an

eyewash facility and a safety shower.

Storage

Suitable storage conditions Store in well-ventilated place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

	ACGIH (TLV)	OSHA (PEL)	Workplace Safety And Health (General Provisions) Regulations
2,6-Di-tert-butyl-p-cresol (BHT)	TWA 2 mg/m3(IFV),STEL -	Not established	10 mg/m3 PEL

Engineering measures Use local exhaust ventilation in case of production of fume or mist.

Facilities storing or utilizing this material should be equipped with an

eyewash facility and a safety shower.

Use explosion-proof electrical equipment and prevent from static

electricity.

Individual protection measures

Respiratory protection If necessary, wear respiratory protection.

Hand protection If necessary, wear protective gloves.

Eye protection If necessary, wear protective eye protection.

Skin and body protection If necessary, wear protective clothing.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical State Liquid Color Yellow Odor Slight odor

Odor threshold No data available Hq No data available Melting point No data available No data available **Boiling** point

Flash point 106°C

No data available Evaporation rate Flammability(Solid, Gas) No data available No data available Flammability or explosive limits No data available Vapor pressure No data available Vapor density No data available Relative density Solubility(ies) Non-water-soluble Partition coefficient: n-octanol/water No data available Auto-ignition temperature No data available No data available Decomposition temperature No data available Viscosity

10. STABILITY AND REACTIVITY

Reactivity When heated, it decomposes to produce carbon monoxide and carbon

dioxide.

Stable under normal conditions of use. Chemical stability

Possibility of hazardous reactions No information available

Conditions to avoid Sunlight, heat, open flame, high temperature, sparks, static electricity,

and other sources of ignition.

Incompatible materials No information available

Hazardous decomposition products Combustion produces carbon monoxide, carbon dioxide.

11. TOXICOLOGICAL INFORMATION

Acute toxicity (Oral) Category 4:Other (converted value = 500mg/kg, source: Registered

substances (ECHA))

Not classified:2,6-Di-tert-butyl-p-cresol (BHT) (source: NITE), Aliphatic monomer (toxicity value = 5000mg/kg, source: Registered

substances (ECHA))

Classification not possible:aromatic monomer (source: 1272/2008/EC).

Photopolymerization initiator (source: 1272/2008/EC)

No data:Polyester Oligomer (source: None)

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Acute toxicity (Dermal)

Calculation result = 4887.6889849mg/kg. Classification result =

Classification not possible.

Not classified:2,6-Di-tert-butyl-p-cresol (BHT) (source: NITE) Classification not possible:Other (source: Registered substances

(ECHA)), aromatic monomer (source: 1272/2008/EC), Aliphatic monomer (source: Registered substances (ECHA)), Photopolymerization initiator (source: 1272/2008/EC)

No data:Polyester Oligomer (source: None)

Contains substance of unknown toxicity. Changed from Not classified

to Classification not possible.

Acute toxicity (Inhalation : Gases)
Acute toxicity (Inhalation : Vapours)
Acute toxicity (Inhalation : dust/mist)

Skin corrosion/ Irritation

Does not fall under gas based on GHS definitions.

Unable to classify due to insufficient data. Unable to classify due to insufficient data.

Category 2:aromatic monomer (source: 1272/2008/EC), Aliphatic

monomer (source: Registered substances (ECHA))

Not classified:2,6-Di-tert-butyl-p-cresol (BHT) (source: NITE) Classification not possible:Other (source: Registered substances (ECHA)), Photopolymerization initiator (source: 1272/2008/EC)

No data:Polyester Oligomer (source: None)

Sum of Category 2 Concentration limit = 10%. Classification result =

Category 2.

Serious eye damage / irritation Category 1:Other (source: Registered substances (ECHA))

Category 2:aromatic monomer (source: 1272/2008/EC), Aliphatic

monomer (source: Registered substances (ECHA))

Category 2B:2,6-Di-tert-butyl-p-cresol (BHT) (source: NITE) Classification not possible:Photopolymerization initiator (source:

1272/2008/EC)

No data:Polyester Oligomer (source: None)

Sum of Eye category 2 Concentration limit = 10%. Classification result

= Category 2A.

Unable to classify due to insufficient data.

Category 1:Aliphatic monomer (source: Registered substances (ECHA)), Photopolymerization initiator (source: 1272/2008/EC) Category 1B:aromatic monomer (source: Registered substances

(ECHA))

Classification not possible:2,6-Di-tert-butyl-p-cresol (BHT) (source:

NITE), Other (source: Registered substances (ECHA))

No data:Polyester Oligomer (source: None)

Respiratory Sensitization Skin Sensitization



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Germ cell mutagenicity Carcinogenicity Reproductive toxicity aromatic monomer >= 1% Classification result = Category 1

Unable to classify due to insufficient data. Unable to classify due to insufficient data.

Category 2:2,6-Di-tert-butyl-p-cresol (BHT) (source: NITE) Classification not possible:Other (source: Registered substances (ECHA)), aromatic monomer (source: 1272/2008/EC), Aliphatic

monomer (source: Registered substances (ECHA)), Photopolymerization initiator (source: 1272/2008/EC)

No data:Polyester Oligomer (source: None)

Substances classified as hazardous are below the concentration limit. Contains substance of unknown toxicity. Changed from Not classified to Classification not possible.

Ingredients not contributing to classification:

2,6-Di-tert-butyl-p-cresol (BHT) (category = Category 2, source:

NITE)

Reproductive toxicity, effects on or via lactation

Specific target organ Toxicity - Single

Exposure

Unable to classify due to insufficient data.

Category 1:2,6-Di-tert-butyl-p-cresol (BHT) (organ = nervous system,

source: NITE)

Category 3:aromatic monomer (organ = respiratory tract irritation, source: 1272/2008/EC), Aliphatic monomer (organ = respiratory tract

irritation, source: Registered substances (ECHA))

Classification not possible:Other (source: Registered substances (ECHA)), Photopolymerization initiator (source: 1272/2008/EC)

No data:Polyester Oligomer (source: None)

Specific target organ toxicity - Repeated Exposure

Sum of Category 3(respiratory tract irritation) Concentration limit = 20%. Classification result = Category 3(respiratory tract irritation). Category 2:2,6-Di-tert-butyl-p-cresol (BHT) (organ = liver, lung, source: NITE), Other (organ = spleen, liver, source: Registered substances (ECHA))

Classification not possible:aromatic monomer (source: 1272/2008/EC),

Aliphatic monomer (source: Registered substances (ECHA)), Photopolymerization initiator (source: 1272/2008/EC)

No data:Polyester Oligomer (source: None)

Substances classified as hazardous are below the concentration limit. Contains substance of unknown toxicity. Changed from Not classified to Classification not possible.

Unable to classify due to insufficient data.

Aspiration hazard

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12. ECOLOGICAL INFORMATION

Hazardous to the Aquatic Environment -

Acute Toxicity

Category 1:2,6-Di-tert-butyl-p-cresol (BHT) (source: NITE), Aliphatic

monomer (source: Registered substances (ECHA))

Classification not possible:Other (source: Registered substances

(ECHA)), aromatic monomer (source: 1272/2008/EC), Photopolymerization initiator (source: 1272/2008/EC)

No data:Polyester Oligomer (source: None)

Category 1 x M factor >= concentration limit(25%). Classification result

= Category 1.

Hazardous to the Aquatic Environment -

Chronic Toxicity

Category 1:2,6-Di-tert-butyl-p-cresol (BHT) (source: NITE), Aliphatic

monomer (source: Registered substances (ECHA))

Category 2:aromatic monomer (source: Registered substances (ECHA))
Category 4:Photopolymerization initiator (source: 1272/2008/EC)
Classification not possible:Other (source: Registered substances

(ECHA))

No data:Polyester Oligomer (source: None)

Category 1 x M factor >= concentration limit(25%). Classification result

= Category 1.

Hazardous to the Ozone layer

Unable to classify due to insufficient data.

13. DISPOSAL CONSIDERATIONS

Residual Waste Before disposal, make the wastes harmless, stabilized, and neutralized,

and minimize danger and toxicity of the wastes.

Dispose of waste in accordance with local, state and federal regulations.

Contaminated Container and Packaging Passed to a licensed waste contractor.

In case of disposal of empty containers, remove the content

thoroughly.

14. TRANSPORT INFORMATION

International regulations

Sea(IMDG)

UN number 3082

UN proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

Transport hazard class(es) 9
Packing group III

Special Provision 2.10.2.7 *1

air(IATA)

UN number 3082

UN proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

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Transport hazard class(es) 9 Ш Packing group A197 *1 **Special Provision**

*1 Single or inner packaging less than 5 L (liquid) or 5 kg net (solids) is excepted from Dangerous Goods regulations -- see UN Special Provision.

15. REGULATORY INFORMATION

Workplace Safety And Health

Occupational Exposure Limits

Component Analysis - Inventory

2,6-Di-tert-butyl-p-cresol (BHT) (128-37-0)

TSCA - United States	ENCS - Japan	KECI Annex 1, 2 - Korea	IECSC - China	DSL/NDSL - Canada	PICCS - Philippines	AICS – Australia	EINECS/ELINCS - European Union	TCSI - Taiwan	NZIoC – New Zealand
Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

16. OTHER INFORMATION

Literature References

NITE GHS

EU CLP Regulation, AnnexVI

Other data

The information suggested in this Safety Data Sheet does not comprehend everything and should be adopted only as a guide. The accuracy of the information and recommendations suggested herein are credible. However the company makes no warranty regarding such information and recommendations and disclaims all

liability for reliance thereon.

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