

Safety Data Sheet (SDS)

Issue date: Dec. 2, 2015

MSDS#: 15QA057

rev. 1

1. Product and Company identification

Product name : Standard PET receptor tape
 Receptor tape for following tape listed in list 1 attached on this document.

Company : SEIKO EPSON CORP.

Address : 6925 Tazawa, Toyoshina, Azumino-shi, Nagano-ken
 399-8285, Japan

Telephone No. : 0263-72-1447

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2. Hazards Identification

GHS Classification
 This product is not classed as hazardous to health by directive 1999/45/EC

GHS Label Elements Including Precautionary Statements : Not applicable

Hazard Statement :None

Toxicological information :None

Ecological Information :None

3. Composition/Information on Ingredients

Substance/Mixture :Mixture

Composition	Material name			CAS No.	EEC No.	EU registration No.	% By Weight	EU Symbols	EU R-phrase	EU OELs	Remark
	Transparent/ Colored	Transparent	Colored								
Coating layer	Polyester series resin			Trade secret	Trade secret	Not available for the moment	Trade secret	None	None	None	None
Base material	Polyethylene terephthalate (PET) film			25038-59-9	None	Not available for the moment	Trade secret	None	None	None	None
Primer layer		Polyurethane series resin		Trade secret	Trade secret	Not available for the moment	Trade secret	None	None	None	None
Color layer			Polyurethane series ink	Trade secret	Trade secret	Not available for the moment	Trade secret	None	None	None	None
Adhesive	Acrylic adhesive agent			Trade secret	Trade secret	Not available for the moment	Trade secret	None	None	None	None
Liner paper	Siliconized polyethylene film			Trade secret	Trade secret	Not available for the moment	Trade secret	None	None	None	None
Core	Acrylonitrile - butadiene - styrene(ABS)			Trade secret	Trade secret	Not available for the moment	Trade secret	None	None	None	None

4. First Aid Measures

Eye contact	:Rinse thoroughly with clean water. If there is foreign material in eyes or wound or pain consult an eye specialist.
Skin contact	:If irritation or other aberrance happens, consult a physician.
Ingestion	: Induce vomiting if possible. If aberrance happens, consult a physician.

5. Fire-Fighting Measures

Extinguishing method	:Use same method as normal fire.
Extinguishing media	:A large volume of water, extinguish agent (powder, bubble), carbon dioxide.

6. Accidental Release Measures

Not necessary.

7. Handling and Storage Precautions

Handling	: This tape is for printing. Do not use for electrical insulation. Wipe off oil or water on the surface where this tape is stuck before sticking.
Storage	:Keep away from direct sunlight and store in cool place.

8. Exposure Controls/ Personal Protection

Control limit	: Not applicable.
Occupational exposure limits	: Not applicable.
Facility and equipment measures	: Not required.
Protective equipment:	
- Respiratory equipment:	Not required.
- Safety goggles:	Not required.
- Protective gloves:	Not required.
- Protective suit:	Not required.

9. Physical and Chemical Properties

Physical appearance, color, etc.	: Colored roll adhesive tape with paper liner, wrapped around center core. - As white colored tape -
Specific gravity	:No data (1.4 as polyethylene terephthalate)
Melting point	:No data (255 degree C as polyethylene terephthalate)
Flash point	:290 degree C
Ignition temperature	:442 degree C
Fusibility	:Water: Insoluble

10. Stability and Reactivity

Combustibility	:Yes (It will burn, if there is a source of ignition.)
Inflammability	:No
Explosiveness	:No
Reactivity	:No
Stability	:Stable

11. Toxicological information

Irritating nature	:No
Sensitization	:No data
Mutagenicity	:No data
Acute toxicity	:No data

12. Ecological information

Ozone depleting substance	:Not used
Specific brominated flame retardants	:Not used
Hormone disrupting chemicals	:Not used
Harmful heavy metal	: White ink pigment (in Oxidized titanium) Cadmium, Hexavalent chromium, mercury (Less than detection limit.) lead (Equal or less than 30ppm) Others are not used.
Chlorinated compounds	:Infinitesimal quantity as bleaching agent in papermaking process.
Degradability	:No data
Accumulative properties	:No data
Fish toxicity	:No data
Disposal prohibition	:Do not dispose on the ocean, waterside and outdoors to prevent a marine organism and birds from taking it in.

13. Disposal Considerations

Disposal	:Nothing
Incineration	:Nothing (Incinerate 800 degree C or above.)

14. Transport Precautions

Nothing. Transport as general transported material.
Transport careful enough to prevent falling over, drop and cargo collapse.
UN classification/UN number : Not applicable
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code :
Not applicable

15. Applicable regulations

Safety, health and environmental regulations/legislation specific for the substance or mixture

EU Information

Regulation (EC) No 2037/2000: Is not subject

Regulation (EC) No 850/2004: Is not subject

Regulation (EC) No 689/2008: Is not subject

Chemical Safety Assessment :

No Chemical Safety Assessment has been carried out for this mixture.

16. Disclaimer

The above mentioned data correspond to our present state of knowledge and experience, but no warranty is made. It could be revised by new perception.

Users should consider these data only as a supplement to other information and must make independent determination of the suitability and completeness of information from all sources to ensure proper use and disposal of the materials and safety and health of employees and customers.

<Revision history>

List 1

Tape width	Product name	Tape width	Product name	Tape width	Product name
4mm	204BCPX	18mm	218BOPX	36mm	236BGPX
4mm	204BWPX	18mm	218BRPX	36mm	236BOPX
4mm	204BYPX	18mm	218BTMPX	36mm	236BRPX
6mm	206BBPX	18mm	218BVPX	36mm	236BVPX
6mm	206BCPX	18mm	218BWPX	36mm	236BWPX
6mm	206BGPX	18mm	218BWSPX	36mm	236BYPX
6mm	206BRPX	18mm	218BXPX	36mm	236IBWPX
6mm	206BWPX	18mm	218BYPX	36mm	236IBYPX
6mm	206BYPX	18mm	218FGPX	36mm	236RWPX
6mm	206WBPX	18mm	218FOPX	36mm	236RYPX
9mm	209BBPX	18mm	218FPPX	36mm	236WBPX
9mm	209BCPX	18mm	218FRPX	36mm	236WCPX
9mm	209BC-R	18mm	218FYPX	36mm	236WGPX
9mm	209BGPX	18mm	218RCPX	36mm	236WLPX
9mm	209BRPX	18mm	218RWPX	36mm	236WRPX
9mm	209BWPX	18mm	218WBPX	42mm	224CBWPX
9mm	209BWSPX	18mm	218WCPX	42mm	224OBWPX
9mm	209BYPX	18mm	218WGPX	42mm	224SBWPX
9mm	209WBPX	18mm	218WLPX		
12mm	212BBPX	18mm	218WOPX		
12mm	212BCPX	18mm	218WRPX		
12mm	212BC-R	24mm	224BBPX		
12mm	212BGPX	24mm	224BCPX		
12mm	212BOPX	24mm	224BC-R		
12mm	212BRPX	24mm	224BGPX		
12mm	212BWPX	24mm	224BOPX		
12mm	212BWSPX	24mm	224BRPX		
12mm	212BYPX	24mm	224BWPX		
12mm	212GBPX	24mm	224BYPX		
12mm	212GCPX	24mm	224IBWPX		
12mm	212WBPX	24mm	224IBYPX		
12mm	212WB-R	24mm	224WBPX		
12mm	212WCPX	24mm	224WCPX		
12mm	212WC-R	24mm	224WC-R		
12mm	212WGPX	24mm	224WGPX		
12mm	212WLPX	24mm	224WLPX		
12mm	212WRPX	24mm	224WOPX		
18mm	218BBPX	24mm	224WRPX		
18mm	218BCPX	24mm	224GCPX		
18mm	218BC-R	36mm	236BBPX		
18mm	218BGPX	36mm	236BCPX		
18mm	218BLWPX	36mm	236BC-R		

Safety Data Sheet (SDS)

Issue date: Aug. 10, 2015

MSDS#: 15QA045

Revised date: Dec. 2, 2015

rev. 2

1. Product and Company identification

Product name : Black ink ribbon D
Ink ribbon for 204BCPX/204BWPX/204BYPX/206BBPX/
206BGPX/206BRPX/206BWPX/209BBPX/209BGPX/
209BRPX/209SMPX/212BBPX/212BGPX/212BOPX/
212BRPX/212BWPX/212BWSPX/212LMYPX/212MTBBPX/
212MTBGPX/212MTBRPX/212MTBWPX/212MTBYPX/
212RAPX/212SMPX/218BBPX/218BCPX/218BC-R/
218BGPX/218BOPX/218BRPX/218BTMPX/218BVPX/
218BXPX/218LMYPX/218MTBBPX/218MTBGPX/
218MTBRPX/218MTBWPX/218MTBYPX/218SMPX/
224BBPX/224BCPX/224BC-R/224BGPX/224BOPX/
224BRPX/224BWPX/224BYPX/224IBWPX/224IBYPX/
224LMYPX/224MTBBPX/224MTBGPX/224MTBRPX/
224MTBWPX/224MTBYPX/224RFWPX/224RFYPX/
224SLPX/224SMPX/236BBPX/236BCPX/236BC-R/
236BGPX/236BOPX/236BRPX/236BVPX/236BWPX/
236BYPX/236IBWPX/236IBYPX/236LMYPX/236MTBBPX/
236MTBGPX/236MTBRPX/236MTBWPX/236MTBYPX/
236SLPX/236SMPX

Company : SEIKO EPSON CORP.
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2. Hazards Identification

GHS Classification

This product is not classed as hazardous to health by directive 1999/45/EC

GHS Label Elements Including Precautionary Statements

Not applicable

Other Hazards

No data is available regarding the product itself.

3. Composition/Information on Ingredients

Substance/Mixture : Mixture

General product description : Ink ribbon

Composition	CAS No.	EEC No.	EU registration No.	% By Weight	EU Symbols	EU R-phrase	EU OELs	Remark
Carbon black	1333-86-4	215-609-9	Not available for the moment	Trade secret	None	None	None	None
Ethylene copolymerized resin	Trade secret	Trade secret	Not available for the moment	Trade secret	None	None	None	None
Polyolefin resin	Trade secret	Trade secret	Not available for the moment	Trade secret	None	None	None	None
Polyester Resin	Trade secret	Trade secret	Not available for the moment	Trade secret	None	None	None	None
Silicon copolymerized resin	Trade secret	Trade secret	Not available for the moment	Trade secret	None	None	None	None
Polyethylene terephthalate (PET) film	25038-59-9	None	Not available for the moment	Trade secret	None	None	None	None

U.N. classification and number : Not applicable

4. First Aid Measures

Eye contact :Rinse thoroughly with running water immediately.
Then consult an eye specialist.

Skin contact :Wash off with water and soap.

Inhalation :Blow nose and gargle.

Ingestion :Rinse mouth thoroughly with water.
Then consult a physician.

5. Fire-Fighting Measures

Extinguishing method :Use a large volume of water, extinguishing agent.

Extinguishing media :A large volume of water, extinguish agent (powder, bubble), carbon dioxide.

6. Accidental Release Measures

Collect and recover.

7. Handling and Storage Precautions

Handling :Use in normal temperature, normal humidity and non-condensing.

Storage :Keep away from high temperature, high humidity, fire, water leakage, direct sunlight and condensing, store in indoor warehouse in normal temperature and normal humidity.

8. Exposure Controls/ Personal Protection

Control parameters

Exposure limit values :

Substance : Carbon black CAS № : 1333-86-4

Country	Limit value-Eight hours		Limit value-Short term	
	ppm	mg/m3	ppm	mg/m3
United Kingdom		3.5		7
France		3.5		
Germany				
USA-OSHA		3.5		7

Exposure controls

Appropriate engineering controls: Not applicable

Individual protection measures, such as personal protective equipment:

Use personal protection equipment as per Directive 89/686/EEC.

Eye/face protection : Not applicable in normal conditions of use.

Skin protection

Hand protection : Wear protective gloves when required.

Other skin protection : Wear suitable protective clothing when required.

Respiratory protection : Not applicable in normal conditions of use.

For further information, see section 11 of S.D.S. - Toxicological information.

Environmental exposure controls: Not applicable in normal conditions of use.

9. Physical and Chemical Properties

Physical appearance, color, etc. :PET film coated black ink in one side wrapped around center core.

Specific gravity :0.95

Boiling point : <200 degree C

Melting point :250 to 265 degree C (Melting partly at about 135 degree C)

Fusibility :Water: Insoluble

10. Stability and Reactivity

Flash point :>200 degree C

Ignition quality :No (at normal temperature)

Oxidation nature :No

Self-reactive, Explosiveness :No

Dust explosiveness :No

Stability , Reactivity : Stable at normal temperature

11. Toxicological information

Skin Corrosion :No

Irritation(Eyes, Skin) :No

Acute toxicity(Including LD50) :No data.

Carcinogenicity :Carbon black IARC group 2B
(Influence on a human body is not confirmed.)

12. Ecological information

Degradability:	No data
Accumulative properties:	No data
Fish toxicity:	No data

13. Disposal Considerations

Product should be disposed in accordance with the regulations issued by the appropriate federal, provincial, state and local authorities.

14. Transport Precautions

Transport careful enough to prevent falling over, drop and cargo collapse.
Avoid high temperature, high humidity and condensing in transportation.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code :
Not applicable

15. Applicable regulations

Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulations

Authorisations and/or restrictions on use : Not applicable

Other EU regulations : No data is available

Chemical Safety Assessment :

No Chemical Safety Assessment has been carried out for this mixture.

16. Disclaimer

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<Revision history>

Rev.2 Adding product name