

SAFETY DATA SHEET

TT-SERIES PAPER BLACK RIBBON

Revision Date: Feb.4.2020

1. Identification of the substance/mixture and of the company/undertaking

Product identifier

Product name : TT-SERIES PAPER BLACK RIBBON

Product code : 030784

Relevant identified uses of the substance or mixture and uses advised against

Use : Printing

Details of the supplier of the safety data sheet

Company : BV KORTHOFAH
LAGEWEG 39
2222AG KATWIJK
Telephone number : THE NETHERLANDS
0031 71 40 60 480

Emergency telephone number : 0031 71 40 60 480

2. Hazards identification

GHS Classification Physical

Hazards

Flammable liquids

Health Hazards : Not classified

Acute toxicity (Oral)

: Classification not possible

Acute toxicity (Dermal)

: Not classified

Acute toxicity (Gases)

: Not gases

Acute toxicity (Vapours)

Acute toxicity (Dusts and Mists) Skin

: Classification not possible

corrosion /irritation

: Classification not possible

Eye damage / irritation Sensitization -

: Classification not possible

Respiratory Sensitization - Skin

: Classification not possible

Germ cell mutagenicity

: Classification not possible

Carcinogenicity

: Classification not possible

Toxic to reproduction

: Classification not possible

Specific target organ systemic toxicity
(Single exposure)

: Classification not possible

Specific target organ systemic toxicity
(Repeated exposure)

: Classification not possible

: Classification not possible

: Classification not possible

: Classification not possible

Environmental Hazards

Hazardous to the aquatic environment -
Acute hazard

: Classification not possible

Hazardous to the aquatic environment -
Chronic hazard

: Classification not possible

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Label elements

The label elements below were prepared in accordance with OSHA Hazard Communication Standard, 29 CFR 1910.1200. and Regulation (EC) No 1272/2008(CLP).

This information may be different from the actual product label information for labels regulated by other agencies.

Hazard pictograms	:	-
Signal words	:	-
Hazard statements Precautionary Statements	:	-
Precautionary Statement Response	:	See section 7 for HANDLING AND STORAGE See section 8 for EXPOSURE CONTROLS / PERSONAL PROTECTION
Precautionary Statement Storage	:	See section 4 for FIRST AID MEASURES See section 7 for HANDLING AND STORAGE

Other hazards

PBT: This substance is not identified as a PBT substance. vPvB:
This substance is not identified as a vPvB substance.

3. Composition/information on ingredients

Substances/Mixture

Mixture

Mixtures

CHEMICAL NAME OR COMMON NAME	CONTENTS	CAS No.	OSHA PEL	ACGIH TLV	Other Limits Recommended
<Ink Layer>					
Carbon black	2~5%	1333-86-4		No data available	
Paraffin wax	2~3%	8002-74-2		No data available	
Other wax	5~10%	Trade Secret		No data available	
Resin	7~10%	Trade Secret		No data available	
<Base Film>					
Polyethylene terephthalate (PET)	73~78%	25038-59-9		No data available	

4. First aid measures

Description of first aid measures

Inhalation	:	Move the victims to the clean air space and rest in a comfortable position for breathing. When it feels sick, take doctor's treatment.
Skin	:	Wash away with soap and water immediately. When skin swells and pain continue, take doctor's treatment.
Eye	:	Rinse cautiously with clean water for several minutes. Immediately take doctor's treatment.
Swallowed	:	Do not compel to vomit. Wash the mouth with water. Immediately take doctor's treatment.

Most important symptoms and effects, both acute and delayed

No additional information available.

Indication of any immediate medical attention and special treatment needed

No additional information available.

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5. Firefighting measures

Extinguishing media

Suitable Extinguishing media : Water spray, dry chemical, carbon dioxide, or chemical foam

Unsuitable Extinguishing media : Do not use high pressure water jet.

Special hazards arising from the substance or mixture

Exposure hazards : In combustion emits toxic fumes.

Advice for firefighters

1. Cut-off from the fire origin.
2. Wear the protection clothes and extinguish the fire from the windward.
3. Transfer to the safe place the movable container immediately.
4. Cool down the surrounding equipment by water.
5. Specify the place off-limits around the fire.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

In the case of a large quantity In : Protective equipment is unnecessary.

the case of a little quantity : Protective equipment is unnecessary.

Environmental precautions

Do not throw the leakage thing directly into environment.

Methods and material for containment and cleaning up

In the case of a large quantity In : It is unnecessary.

the case of a little quantity : It is unnecessary.

Reference to other sections

See Section 8 for information on appropriate personal protective equipment. See Section 13 for additional waste treatment information.

7. Handling and storage

Precautions for safe handling

Use away from heat and sources of ignition such as flame, spark and static electricity.

Conditions for safe storage, including any incompatibilities

Avoid direct sunlight, and store in well-ventilated place.

Specific end use(s)

No information available at present.

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8. Exposure controls/personal protection

Control parameters

Components	Japanese Society of Occupational Health	OSHA (PEL)	ACGIH (TWA)	ACGIH (STEL)
Carbon black	Not established	3.5mg/m ³	3.5mg/m ³	Not established
Other components	Not established	Not established	Not established	Not established

Exposure controls

- Appropriate engineering controls : It is unnecessary.
 Equipment countermeasure : Not require special equipment
 Personal protection : It is unnecessary.

9. Physical and chemical properties

Information on basic physical and chemical properties

- Appearance (physical state, color, etc.) : Polyester film coated on one side with ink
 Odor : slightly
 Odor threshold : Not determined
 pH : No data available
 Melting point : No data available
 freezing point : 65°C (Wax), 256°C (Polyester film) No data available
 Initial boiling point and boiling range Flash point : No data available
 Evaporation rate : 244°C (Wax)
 Flammability (solid, gas) : Negligible
 : No data available
 Upper/lower flammability or explosive limits : No data available
 Vapor pressure : No data available
 Vapor density : No data available
 Relative density : No data available
 Solubility(ies) : Insoluble in water
 Partition coefficient: n-octanol/water : No data available
 Auto-ignition temperature : No data available
 Decomposition temperature Viscosity : No data available
 : No data available
 : No data available

Other information

No information available at present.

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10. Stability and reactivity

Reactivity

The product has not been tested.

Chemical stability

This product is stable under the usual handling condition.

Possibility of hazardous reactions

Strong acids, Strong bases, Oxidizer

Conditions to avoid

High temperature, Heating, Fire, Spark, Sunlight

Incompatible materials

No information available at present.

Hazardous decomposition products

Toxic gases such as carbon monoxide and carbon dioxide may occur during combustion.

11. Toxicological information

Information on toxicological effects

Acute toxicity (Oral)	:	This product is classified as "Classification not possible", because no data to classify.
Acute toxicity (Dermal) Acute toxicity (Gases) Acute toxicity (Vapours)	:	This product is classified as "Classification not possible", because no data to classify.
	:	This product is not gases.
Acute toxicity (Dusts and Mists)	:	This product is classified as "Classification not possible", because no data to classify.
Skin corrosion /irritation	:	This product is classified as "Classification not possible", because no data to classify.
Eye damage / irritation	:	This product is classified as "Classification not possible", because no data to classify.
Sensitization - Respiratory	:	This product is classified as "Classification not possible", because no data to classify.
Sensitization - Skin	:	This product is classified as "Classification not possible", because no data to classify.
Germ cell mutagenicity	:	This product is classified as "Classification not possible", because no data to classify.
Carcinogenicity	:	This product is classified as "Classification not possible", because no data to classify.
	:	This product is classified as "Classification not possible", because no data to classify.
	:	This product is classified as "Classification not possible", because no data to classify.
	:	(Notes)
	:	Evaluation results for the carcinogenicity of carbon black in each agency. IARC; Group 2B (The agent is possibly carcinogenic to humans.) ACGIH; A4 (Not classifiable as a human carcinogen)
	:	EPA; Not applicable
	:	EU; Not applicable
	:	NTP; Not applicable
	:	Japan Association of Industrial Health; 2B
	:	Evaluation of carbon black is different in each agency.
Toxic to reproduction	:	Therefore, it is classified as "Classification not possible".
Specific target organ systemic toxicity (Single exposure) Specific target organ systemic toxicity (Repeated exposure)	:	This product is classified as "Classification not possible", because no data to classify.
	:	This product is classified as "Classification not possible", because no data to classify.
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Aspiration toxicity : This product is classified as "Classification not possible", because no data to classify.

Information on the likely routes of exposure;

Inhalation : No data available.

Ingestion : No data available.

Eye contact : No data available.

Skin contact : No data available.

Symptoms related to the physical, chemical and toxicological characteristics;

Symptoms : No data available.

Delayed and immediate effects and also chronic effects from short- and long-term exposure;

Short-term exposure : No data available.

Long-term exposure : No data available.

Numerical measures of toxicity;

Acute toxicity estimates : No data available.

12. Ecological information

Toxicity

Hazardous to the aquatic environment - Acute hazard : This product is classified as "Classification not possible", because no data to classify.

Hazardous to the aquatic environment - Chronic hazard : This product is classified as "Classification not possible", because no data to classify.

Persistence and degradability

No information available.

Bioaccumulative potential

No information available.

Mobility in soil

No information available.

Results of PBT and vPvB assessment

PBT: This substance is not identified as a PBT substance. vPvB:
This substance is not identified as a vPvB substance.

Other adverse effects

No information available.

13. Disposal considerations

Waste treatment methods

Residual waste : When you dispose this product, you observe the relevant laws/regulations and local government rules.
Entrust industrial waste to disposal contractor licensed by the prefecture governor. It is important to tell toxicity and risk of the product to the contractor, prior to disposal.

Contaminated containers and packages : No information available.

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14. Transport information

UN number

Not applicable

UN proper shipping name

Not applicable

Transport hazard class(es)

Not applicable

Packing group

Not applicable

Environmental hazards

-

Special precautions for user

-

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

No data available.

15. Regulatory information

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

For classification and labeling see section2.

Observe restrictions: yes

Comply with trade association/occupational health regulations.

USA

California Prop 65 : Carbon black (1333-86-4)

State Right-to-Know : Carbon black (1333-86-4)

Canada

WHMIS/Ingredient Disclosure List : Carbon black (1333-86-4)

International Inventories

TSCA : All chemical substances in this product comply with all applicable rules or orders under TSCA.

16. Other information

The information has been created based on materials and information that we obtained. However, this is no warranty about contents, physicochemical information, and hazardous. And, the precautions are shown about the attention point in usual handling. For special handling, please use this material after you confirm the safety countermeasure which is suitable for the use and usage. This information may be change when we obtained the new materials and information.