

SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/ undertaking

1.1 Product identifier

Product name : KORTHO TT-SERIES STANDARD BLACK
Trade name : TT-SERIES STANDARD BLACK
Product code : 030561/030574

Date of issue/Date of revision : Feb.1.2016

Version : 0.01

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

Identified uses

Printing

Uses advised against

Not applicable.

1.3 Details of the supplier of the safety data sheet

Manufacturer/ Distributor :
BV KORTHOF AH
LAGEWEG 39
2222AG KATWIJK
THE NETHERLANDS
0031 71 40 60 480

e-mail address of person responsible for this SDS : export@kortho.com

1.4 Emergency telephone number

Supplier

Telephone number : 0031 71 40 60 480

SECTION 2: Hazards identification

GHS Classification

Physical Hazards

Flammable liquids : Not classified

Health Hazards

Acute toxicity (Oral) : Classification not possible

Acute toxicity (Dermal) : Not classified

Acute toxicity (Gases) : Not gases

Acute toxicity (Vapours) : Classification not possible

Acute toxicity (Dusts and Mists) : Classification not possible

Skin corrosion /irritation : Classification not possible

Eye damage / irritation : Classification not possible

Sensitization - Respiratory : Classification not possible

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

Environmental Hazards

Hazardous to the aquatic environment -
Acute hazard : Classification not possible

Hazardous to the aquatic environment -
Chronic hazard : Classification not possible

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 : See section 7 for HANDLING AND STORAGE
See section 8 for EXPOSURE CONTROLS / PERSONAL PROTECTION

Precautionary Statement Response : See section 4 for FIRST AID MEASURES

Precautionary Statement Storage : 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.

SECTION 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	1~4%	1333-86-4		No data available	
Paraffin wax	5~9 %	8002-74-2		No data available	
Other wax	1~3%	Trade Secret		No data available	
Resin	5~8 %	Trade Secret		No data available	
<Base Film>					
Polyethylene terephthalate (PET)	80~86%	25038-59-9		No data available	

SECTION 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.

SECTION 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.
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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.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

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

In 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 : It is unnecessary.

In 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.

SECTION 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.

SECTION 8: Exposure controls/personal protection

Control parameters

Components	Japanese Society of Occupational Health	OSHA (PEL)	ACGIH (TWA)	ACGIH (STEL)
Carbon black	Not established	2.2mg/m ³	2.2mg/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.

SECTION 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	:	65°C (Wax), 256°C (Polyester film)
freezing point	:	No data available
Initial boiling point and boiling range	:	No data available
Flash point	:	244°C (Wax)
Evaporation rate	:	Negligible
Flammability (solid, gas)	:	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	:	No data available
Viscosity	:	No data available

Other information

No information available at present.

SECTION 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.

SECTION 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)	: This product is classified as "Classification not possible", because no data to classify.
Acute toxicity (Gases)	: This product is not gases.
Acute toxicity (Vapours)	: This product is classified as "Classification not possible", because no data to classify.
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. (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. Therefore, it is classified as "Classification not possible".
Toxic to reproduction	: This product is classified as "Classification not possible", because no data to classify.
Specific target organ systemic toxicity (Single exposure)	: This product is classified as "Classification not possible", because no data to classify.
Specific target organ systemic toxicity (Repeated exposure)	: This product is classified as "Classification not possible", because no data to classify.
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.
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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.
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SECTION 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.

SECTION 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.

SECTION 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

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Special precautions for user

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

No data available.

SECTION 15: Regulatory information**Safety, health and environmental regulations/legislation specific for the substance or mixture**

For classification and labeling see section 2.

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.

SECTION 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.