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

Product identifier

Product name Ink Ribbon White 85M / RC-TU85W
Product code(s) T2000-RB-WHITE
Use Ink ribbon for cable ID printer

Details of the supplier of the safety data sheet

Supplier

PARTEX MARKING SYSTEMS SP. Z O.O.
UL. MAŁGORZATOWO 1C, 87-162 LUBICZ DOLNY, POLAND
TEL : +48 56 6590802

Manufacturer

PARTEX MARKING SYSTEMS SP. Z O.O.
UL. MAŁGORZATOWO 1C, 87-162 LUBICZ DOLNY, POLAND

SECTION 2: Hazards identification

Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008
Not classified as hazardous

Label elements

Labelling according to Regulation (EC) No 1272/2008

Hazard pictograms
Not required

Signal word
Not required

Hazard statements
Not required

Precautionary statements
Not required

Other information

EUH212 Warning! Hazardous respirable dust may be formed when used. Do not breathe dust.
EUH210 Safety data sheet available on request.

Other hazards

None

SECTION 3: Composition/information on ingredients

Ink

Chemical name	CAS-No	REACH Registration No.	Weight %	Regulation (EC) No 1272/2008			Note to other hazards
				Classification	H-statement	SCL, M-factor, ATE	
Titanium dioxide *	13463-67-7	Not available	75-85	Carc. 2 *	H351 (inhalation) *	No data available	
Silica SiO ₂	7631-86-9	Not available	<1	None	None	No data available	
Zinc Oxide	1314-13-2	Not available	0.5-1	Aquatic Acute 1 Aquatic Chronic 1	H400 H410	M=1 M(Chronic)=1	
Resin	CBI	Not available	CBI	None	None	No data available	
Wax	CBI	Not available	CBI	None	None	No data available	
Other additive	CBI	Not available	CBI	None	None	No data available	

Other

Chemical name	CAS-No	REACH Registration No.	Weight %	Regulation (EC) No 1272/2008			Note to other hazards
				Classification	H-statement	SCL, M-factor, ATE	
Polyethyleneterephthalate film	CBI	Not available	CBI	None	None	No data available	

* Classification as Carc.2, H351(inhalation) applies only to products in powder form.
Titanium dioxide in this product is not in powder form and should not present a hazard in normal use.

Full texts of Hazard statement(s) are listed in SECTION 16.

Note to other hazards: The following substance(s) is (are) marked with (1), (2), (3) and/or (4)

- (1) Substance for which EU Occupational Exposure Limit(s) is (are) established (See SECTION 8)
- (2) PBT substance or vPvB substance under Regulation (EC) No 1907/2006
- (3) Substance listed in Candidate List of SVHC for Authorisation under Regulation (EC) No 1907/2006
- (4) Endocrine disrupting substance under Delegated Regulation (EU) 2017/2100 or Regulation (EU) 2018/605

SECTION 4: First aid measures

Description of first aid measures

Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If symptoms continue, call a doctor/physician.
Ingestion	Rinse mouth. Immediately get medical advice/attention.
Skin contact	Rinse with plenty of water and soap. If symptoms continue, call a doctor/physician
Eye contact	Immediately rinse cautiously with water for 15-20 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If symptoms continue, call a doctor/physician.

Most important symptoms and effects, both acute and delayed

Inhalation	Not known
Ingestion	Not known
Skin contact	Not known
Eye contact	Not known

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Indication of any immediate medical attention and special treatment needed

None

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media

Water mist, Dry chemical powder, Fire foam, Carbon dioxide

Unsuitable extinguishing media

No data available

Special hazards arising from the substance or mixture

Special hazard

No data available

Hazardous combustion products

CO, CO₂, NO_x

Advice for firefighters

Special protective equipment for fire-fighters

Self-contained breathing apparatus and suitable protective clothing should be worn in case of fire.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Avoid contact with skin, eyes and clothing.

In case of contact, wash out the contaminated area immediately.

Environmental precautions

Do not pour into drains or waterways.

Methods and material for containment and cleaning up

If inadvertently released, rewind ribbon.

Other information

See Section 8 and 13.

SECTION 7: Handling and storage

Precautions for safe handling

Avoid contact with skin, eye and clothing.

In case of contact, wash out the contaminated area immediately.

Do not eat, drink or smoke when using this product.

Conditions for safe storage, including any incompatibilities

Keep in a cool and dry place. Protect from sunlight.

Specific end uses

Thermal transfer Ink ribbon

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SECTION 8: Exposure controls/personal protection

Control parameters

Exposure limits

Chemical name	EU OEL	OSHA PEL	ACGIH TLV	Australia OEL
Titanium dioxide	Not established	15 mg/m ³ (total dust)	TWA: 10 mg/m ³	TWA: 10 mg/m ³
Silica	Not established	20 mppcf, 80/(%SiO ₂) mg/m ³	Not established	TWA: 2 mg/m ³ (fumed silica, respirable dust)
Zink Oxide	Not established	15 mg/m ³ (total dust) 5 mg/m ³ (respirable fraction) 5 mg/m ³ (fume)	TWA: 2 mg/m ³ STEL: 10 mg/m ³ (respirable fraction)	TWA: 10 mg/m ³ (dust) TWA: 5 mg/m ³ (fume) STEL: 10 mg/m ³ (fume)

Exposure controls

Appropriate engineering controls Not required in normal condition of use.

Individual protection measures, such as personal protective equipment

Eye/face protection	Not required in normal condition of use.
Skin protection	Wear protective gloves, If necessary.
Respiratory protection	Not required in normal condition of use.
Thermal hazards	Not applicable

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Physical state	Solid (film)
Colour	White
Odour	Odourless
Odour threshold	No data available
Melting point/freezing point (°C)	No data available
Boiling point or initial boiling point and boiling range (°C)	Not available
Flammability	No data available
Upper/lower flammability or explosive limits	
Upper flammability limit	No data available
Lower flammability limit	No data available
Upper explosive limit	No data available
Lower explosive limit	No data available
Flash point (°C)	>150°C
Auto-ignition temperature (°C)	No data available
Decomposition temperature (°C)	No data available
pH	No data available
Viscosity (mPa·s)	No data available
Kinematic viscosity (mm²/s)	No data available
Solubility	Water: Insoluble
Partition coefficient: n-octanol/water (log value)	No data available
Vapour pressure	No data available
Density and/or relative density	No data available
Relative vapour density	No data available
Evaporation rate	No data available
Explosive properties	No data available
Oxidising properties	No data available
Particle characteristics	Not applicable

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Other information

None

SECTION 10: Stability and reactivity

Reactivity

Stable under normal handling condition.

Chemical stability

Stable under normal handling condition.

Possibility of hazardous reactions

No hazardous reaction expected under normal handling.

Conditions to avoid

High temperature, high humidity, direct sunlight

Incompatible materials

Not data available

Hazardous decomposition products

CO, CO₂, NO_x

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity	No data available
Skin corrosion/irritation	Not irritant (rabbit) (referred to OECD 404)
Serious eye damage/irritation	No data available
Respiratory or skin sensitisation	Skin: Not sensitising (OECD 406, Buehler test)
Germ cell mutagenicity	Ames test: Negative
Carcinogenicity	The IARC evaluated titanium dioxide as a Group 2B carcinogen, for which there is inadequate human evidence, but sufficient animal evidence. The latter is based upon the evidence such as development of lung tumors in rats receiving chronic inhalation exposure to powdered titanium dioxide at levels that induce particle overload of the lung. When used under normal and recommended conditions, the titanium dioxide in this application will not be air born and subject to inhalation.
Reproductive toxicity	No data available
STOT - single exposure	No data available
STOT - repeated exposure	No data available
Aspiration hazard	No data available
Other information	No data available

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SECTION 12: Ecological information

Toxicity

Ecotoxicity effects

Fish: 96-hr LL50 > 100 mg/L (OECD 203, screening)
Daphnia: 48-hr EL50 > 100 mg/L (OECD 202, screening)
Algae: 72-hr ErL50 > 100 mg/L, NOELRr = 100 mg/L (OECD 201, screening)

Persistence and degradability

No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available

Results of PBT and vPvB assessment

No data available

Endocrine disrupting properties

No data available

Other adverse effects

No data available

SECTION 13: Disposal considerations

Waste treatment methods

Disposal should be subject to federal, state and local laws.

SECTION 14: Transport information

UN number or ID number

None

UN proper shipping name

None

Transport hazard class

None

Packing group

None

Environmental hazards

No special environmental precautions required.

Special precautions for users

None

Maritime transport in bulk according to IMO instruments

Not applicable

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SECTION 15: Regulatory information

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

[EU information]

(EC) No 1907/2006 Authorisation	Not regulated
(EC) No 1907/2006 Restriction	Not regulated
(EC) No 1005/2009	Not regulated
(EU) 2019/1021	Not regulated
(EU) No 649/2012	Not regulated
Chemical Safety Assessment under (EC)No1907/2006	Not assessed

[USA information]

TSCA Sec 4,5,6,7,8,12b	Not regulated
OSHA-HCS Classification/Label	Not classified as hazardous
FHSA Classification/Label	Not applicable
SARA Title III Sec 313	Not regulated
California Proposition 65	Not regulated

[Canada information]

CEPA Sec 81 (DSL and NDSL listing status)	Not applicable (Manufactured item)
HPA (WHMIS)	Not applicable (Manufactured article)

[Australia information]

Industrial Chemicals Act 2019 Sec 24 (AIC listing status)	All ingredients are listed on AIC.
WHS Regulations Chap 7 Part 7.1	Not classified as hazardous

Other information None

SECTION 16: Other information

Full text of H-statements referred to under sections 2 and 3

Annex: None

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Key literature references and sources for data

- EU Directive 2004/37/EC, 98/24/EC, 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164 and (EU) 2019/1831.
- EU Regulation (EC) No 1907/2006, (EC) No 1272/2008, (EC) No 1005/2009, (EU) 2019/1021, (EU) No 649/2012
- U.S. Department of Labor, 29CFR Part 1910
- U.S. Environmental Protection Agency, 40CFR Part 372
- U.S. Environmental Protection Agency, 40CFR Part 700-799
- U.S. Consumer Product Safety Commission, 16CFR Part 1500
- ACGIH, Threshold Limit Values for Chemical Substances and Physical Agents and Biological Exposure Indices
- Australian Workplace Exposure Standards for Airborne Contaminants
- California EPA, Code of Regulations Title 27. Division 4. Chapter 1. Safe Drinking Water and Toxic Enforcement Act of 1986
- Environment and Climate Change Canada, Canadian Environmental Protection Act, 1999
- Health Canada, Hazardous Products Act, and Hazardous Products Regulations
- Canada Workplace Hazardous Materials Information System
- AICIS, Industrial Chemicals Act 2019
- Safe Work Australia, Work Health and Safety Act 2011 and Model Work Health and Safety Regulations

Key or legend to abbreviations and acronyms used in the safety data sheet

- SCL: Specific Concentration Limit
- M-factor: Multiplication factor
- ATE: Acute Toxicity Estimate
- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: very Persistent and very Bioaccumulative
- SVHC: Substances of Very High Concern
- EU OEL: Occupational exposure limits at Union level under Directive 2004/37/EC, 98/24/EC, 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164 and (EU) 2019/1831.
- OSHA PEL: PEL(Permissible Exposure Limit) under Occupational Safety and Health Administration (USA)
- ACGIH TLV: TLV(Threshold Limit Value) under American Conference of Governmental Industrial Hygienists
- Australia OEL: Occupational exposure limits under Work Health and Safety Act 2011 and Regulations
- OSHA HCS: Occupational Safety and Health Act, Hazard Communication Standard (USA)
- FHSA: Federal Hazardous Substances Act (USA)
- TSCA: Toxic Substances Control Act
- SARA Title III: SARA Title III of the Superfund Amendments and Reauthorization Act of 1986
- Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986
- CEPA: Canadian Environmental Protection Act, 1999
- DSL: Domestic Substances List
- NDSL: Non-Domestic Substances List
- HPA: Hazardous Products Act
- WHMIS: Workplace Hazardous Materials Information System
- AICIS: Australian Inventory of Industrial Chemicals
- WHS Regulations: Model Work Health and Safety Regulations
- CBI: Confidential Business Information

Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.