



MATERIAL SAFETY DATA SHEET

according to §6 NR SR No. 67/2010 Coll. (Chemical Law), Regulation EC No. 1907/2006 (REACH), Regulation EC 1207/2008 (CLP) and Commission Regulation EU No. 453/2010

Name of the product	Toner cartridge ColorWay of series „EU“			page
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SECTION 1: IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

1.1	Product identifier		
	Product name:	Toner cartridge ColorWay of series "EU"	
	Other means of identification:	not set	
	Registration number:	not relevant, the product is a mixture, not a compound	
1.2	Relevant identified uses of the substance or mixture and uses advised against		
	Identified uses:	toner for laser printers / copiers	
		CW-B1050EU	for: Brother TN-1030/TN-1050
		CW-BDR1050EU	for: Brother DR-1050 (Drum)
		CW-B3380EU	for: Brother TN-3380/3330
		CW-B2320EU	for: Brother TN-2320/2310
		CW-B2120EU	for: Brother TN-2120
		CW-B3170EU	for: Brother TN-3170
		CW-B2000EU	for: Brother TN-2000
		CW-B2220EU	for: Brother TN-2220
		CW-B320BKEU	for: Brother TN-320BK
		CW-B320CEU	for: Brother TN-320C
		CW-B320MEU	for: Brother TN-320M
		CW-B320YEU	for: Brother TN-320Y
		CW-B326BKEU	for: Brother TN-326BK/TN-336BK
		CW-B326CEU	for: Brother TN-326C/TN-336C
		CW-B326MEU	for: Brother TN-326M/TN-336M
		CW-B326YEU	for: Brother TN-326Y/TN-336Y
		CW-B241BKEU	for: Brother TN-241BK
		CW-B245CEU	for: Brother TN-245C
		CW-B245MEU	for: Brother TN-245M
		CW-B245YEU	for: Brother TN-245Y
		CW-B241CEU	for: Brother TN-241C
		CW-B241MEU	for: Brother TN-241M
		CW-B241YEU	for: Brother TN-241Y
		CW-B325BKEU	for: Brother TN-325BK
		CW-B325CEU	for: Brother TN-325C
		CW-B325MEU	for: Brother TN-325M
		CW-B325YEU	for: Brother TN-325Y
		CW-CFX10EU	for: Canon 703/FX9/FX10; HP Q2612A (12A)
		CW-C719EU	for: Canon 719; HP CE505A (05A)
		CW-C725EU	for: Canon 725; HP CE285A (85A)
		CW-C728EU	for: Canon 728/726; HP CE278A (78A)
		CW-CEP27EU	for: Canon EP-27
		CW-H4092EU	for: HP C4092A; Canon EP-22
		CW-H7115EU	for: HP C7115A/Q2613A/Q2624A; Canon EP-25
		CW-H7115EUX	for: HP C7115X/Q2613X/Q2624X; Canon EP-25 H
		CW-H435/436EU	for: HP CB435A/CB436A/CE285A; Canon 712/713/725
		CW-H278EU	for: HP CE278A (78A); Canon 728/726
		CW-H283EU	for: HP CF283A (83A)
		CW-H283EUX	for: HP CF283X (83X); Canon 737H
		CW-H285EU	for: HP CE285A (85A); Canon 725
		CW-H505EU	for: HP CE505A (05A); Canon 719
		CW-H505EUX	for: HP CE505X (05X); Canon 719H
		CW-H280EU	for: HP CF280A (80A)
		CW-H280EUX	for: HP CF280X (80X)
		CW-HQ2612/FX10EU	for: HP Q2612A (12A); Canon 703/FX9/FX10
		CW-H5949/7553EU	for: HP Q5949A/Q7553A; Canon 708/715



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CW-H5949/7553EUX	for: HP Q5949X/Q7553X; Canon 708/715 H
CW-H7551EU	for: HP Q7551A (51A)
CW-H7551EUX	for: HP Q7551X (51X)
CW-H255EU	for: HP CE255A (55A); Canon 724
CW-H255EUX	for: HP CE255X (55X); Canon 724 H
CW-H201BKEU	for: HP CF400A (201A)
CW-H201CEU	for: HP CF401A (201C)
CW-H201YEU	for: HP CF402A (201Y)
CW-H201MEU	for: HP CF403A (201M)
CW-H201BKEUX	for: HP CF400X (201X)
CW-H201CEUX	for: HP CF401X (201C)
CW-H201YEUX	for: HP CF402X (201Y)
CW-H201MEUX	for: HP CF403X (201M)
CW-H210BKEU	for: HP CF210A (131A); Canon 731Bk
CW-H210BKEUX	for: HP CF210X (131X); Canon731Bk H
CW-H211CEU	for: HP CF211A (131C); Canon 731C
CW-H212YEU	for: HP CF212A (131Y); Canon 731Y
CW-H213MEU	for: HP CF213A (131M); Canon 731M
CW-H2670BKEU	for: HP Q2670A (308A)
CW-H2671CEU	for: HP Q2671A (309C)
CW-H2672YEU	for: HP Q2672A (309Y)
CW-H2673MEU	for: HP Q2673A (309M)
CW-H260BKEU	for: HP CE260A (647A)
CW-H261CEU	for: HP CE261A (648C)
CW-H262YEU	for: HP CE262A (648Y)
CW-H263MEU	for: HP CE262M (648M)
CW-H310BKEU	for: HP CE310A (126A); Canon 729Bk
CW-H311CEU	for: HP CE311A (126C); Canon 729C
CW-H312YEU	for: HP CE312A (126Y); Canon 729Y
CW-H313MEU	for: HP CE313A (126M); Canon 729M
CW-H350BKEU	for: HP CF350A (130A)
CW-H351CEU	for: HP CF351C (130C)
CW-H352YEU	for: HP CF352Y (130Y)
CW-H353MEU	for: HP CF353M (130M)
CW-H380BKEU	for: HP CF380A (312A)
CW-H381CEU	for: HP CF381A (312C)
CW-H382YEU	for: HP CF382A (312Y)
CW-H383MEU	for: HP CF383A (312M)
CW-H400BKEUX	for: HP CE400X (507X)
CW-H401CEU	for: HP CE401A (507C)
CW-H402YEU	for: HP CE402A (507Y)
CW-H403MEU	for: HP CE403A (507M)
CW-H410BKEUX	for: HP CE410X (305X)
CW-H411CEU	for: HP CE411A (305C)
CW-H412YEU	for: HP CE412A (305Y)
CW-H413MEU	for: HP CE413A (305M)
CW-H530BKEU	for: HP CC530A (304A); Canon 718Bk
CW-H531CEU	for: HP CC531A (304C); Canon 718C
CW-H532YEU	for: HP CC532A (304Y); Canon 718Y
CW-H533MEU	for: HP CC533A (304M); Canon 718M
CW-H530UBKEU	for: HP CC530A (304A)/CE410 (305A)/CF380A (312A)
CW-H531UCEU	for: HP CC531A (314C)/CE411 (315C)/CF381A (312C)
CW-H532UYEU	for: HP CC532A (324Y)/CE412 (325Y)/CF382A (312Y)
CW-H533UMEU	for: HP CC533A (334M)/CE413 (335M)/CF383A (312M)
CW-H540BKEU	for: HP CB540A (125A); Canon 716Bk
CW-H541CEU	for: HP CB541A (125C); Canon 716C
CW-H542YEU	for: HP CB542A (125Y); Canon 716Y



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	CW-H543MEU	for: HP CB543A (125M); Canon 716M
	CW-H540UBKEU	for: HP CB540A (125A)/CE320A (128A)/CF210A (131A); Canon 716BK/731BK
	CW-H541UCEU	for: HP CB541A (125C)/CE321A (128C)/CF211A (131C); Canon 716C/731C
	CW-H542UYEU	for: HP CB542A (125Y)/CE322A (128Y)/CF212A (131Y); Canon 716Y/731Y
	CW-H543UMEU	for: HP CB543A (125M)/CE323A (128M)/CF213A (131M); Canon 716M/731M
	CW-H6470BKEU	for: HP Q6470A (501A); Canon 711Bk
	CW-H6471CEU	for: HP Q6471A (502C)
	CW-H6472YEU	for: HP Q6472A (502Y)
	CW-H6473MEU	for: HP Q6473A (502M)
	CW-H9720BKEU	for: HP C9720A (641A); Canon EP-85Bk
	CW-H9721CEU	for: HP C9721A (641C); Canon EP-85C
	CW-H9722YEU	for: HP C9722A (641Y); Canon EP-85Y
	CW-H9723MEU	for: HP C9723A (641M); Canon EP-85M
	CW-S1610EU	for: Samsung ML-1610D2/ML-2010D3/SCX-4521D3; Xerox 013R00621/106R01159
	CW-S4100EU	for: Samsung ML-1710D3/SCX-4216D3/SCX-4100D3; Xerox 109R00725/113R00667
	CW-S4200EU	for: Samsung SCX-4200D3
	CW-S2160EU	for: Samsung MLT-D101S
	CW-S2955EU	for: Samsung MLT-D103S
	CW-S1660EU	for: Samsung MLT-D1042S
	CW-S1910EU	for: Samsung MLT-D1052S
	CW-S1910EUX	for: Samsung MLT-D1052L
	CW-S4300EU	for: Samsung MLT-D1092S
	CW-S2020EU	for: Samsung MLT-D111S
	CW-S2020EUX	for: Samsung MLT-D111L
	CW-S2825EU	for: Samsung MLT-D116S
	CW-S2825EUX	for: Samsung MLT-D116L
	CW-S3310EU	for: Samsung MLT-D205L
	CW-S406BKEU	for: Samsung CLT-K406S (K406)
	CW-S406CEU	for: Samsung CLT-C406S (C406)
	CW-S406MEU	for: Samsung CLT-M406S (M406)
	CW-S406YEU	for: Samsung CLT-Y406S (Y406)
	CW-S407BKEU	for: Samsung CLT-K4072S (K407)
	CW-S407CEU	for: Samsung CLT-C4072S (C407)
	CW-S407MEU	for: Samsung CLT-M4072S (M407)
	CW-S407YEU	for: Samsung CLT-Y4072S (Y407)
Uses advised against:	not defined	

1.3 Details of the supplier of the safety data sheet

Distributor: <i>(responsible for marketing in Slovak Republic)</i>	Capital System s. r. o. Ivánska cesta 91, Bratislava, SK - 821 04 tel.: +421 903 372 912 e-mail: info@colorway.sk web: www.colorway.sk
Importer: <i>(responsible for import to EU)</i>	Gross Company Limited Unit B, 9/F, Lockhart Centre 301-307 Lockhart Road Wan Chai Hong Kong

Competent person responsible for the safety data sheet: PharmDr. Vladimír Végh, info@pharmis.sk



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1.4	Emergency telephone number
	National Toxicological Information Centre (NTIC), FNŠP, Limbová 5, 833 05 Bratislava 37, Slovak Republic, tel.: 00421 (0)2 5477 4166 ; tel.: 00421 (0) 2 5477 4605, (24 h non-stop), www.ntic.sk

SECTION 2: HAZARDS IDENTIFICATION

The product - printer cartridge is a combination of an article (functioning as container) and a mixture (pigment); therefore according to Regulation EC No. 1907/2006 (REACH) and Regulation EC 1207/2008 (CLP) the product is considered as an **article with an integral substance/mixture**.

General classification of the mixture (pigment inside the container): the mixture is **not** classified as dangerous in accordance with 67/548/EEC, 1999/45/EC or 67/2010 Coll. (SK).

Important health effects:	Based on composition, no adverse effects for human health are expected for the mixture; therefore the mixture is not considered as dangerous for human health. There are no hazards under normal use conditions. If the container is opened, released powder may cause slight irritation of respiratory tract. High amounts of dust may cause eye irritation or even corneal injury.
Important environmental effects:	Based on composition, no adverse effects in the environment are expected for the mixture; therefore the mixture is not considered as dangerous for the environment.

2.1	Classification of the substance or mixture
	Classification (67/548/EEC / 1999/45/EC) The mixture is not classified as dangerous.

2.2	Label elements
	Contains: not required
	Symbols: not required
	Risk Phrases: not required
	Safety Phrases: not required
	Other required labeling: not required

2.3	Other hazards
	PBT or vPvB content: the mixture is not fulfilling criteria for PBT or vPvB according to Annex XIII, Regulation EC No. 1272/2008. Compounds are not listed on the Candidate list of Substances of Very High Concern (SVHC). Contained powder is not a highly flammable, but when suspended in air, is combustible as with most organic powders.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Mixture of fine grinded pigments and copolymers in a cartridge.

3.1	Substances
	does not apply
3.2	Mixtures
	The mixture contains these classified substances / substances with Community workplace exposure limits / substances persistent, bioaccumulative and toxic or very persistent and very bioaccumulative:

Substance <i>REACH registration number</i>	Content (% w/w)	EC Number CAS Number Index Number	Classification 67548/EEC 1999/45/EC*	Classification 1272/2008/EC*	Exposure limits
polyester resin <i>REACH No. not available yet</i>	> 82	- - -	<i>not classified as dangerous</i>	<i>not classified as dangerous</i>	Exp. lim. (nat./SVK) see 8.1



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carbon black <i>REACH No. not available yet</i>	< 8	215-609-9 1333-86-4 -	<i>not classified as hazardous</i>	<i>not classified as hazardous</i>	Exp. lim. (nat./SVK) see 8.1
iron trioxide <i>REACH No. not available yet</i>	< 4	215-277-5 1317-61-9 -	<i>not classified as dangerous</i>	<i>not classified as dangerous</i>	Exp. lim. (nat./SVK) see 8.1
ethylene-propylene copolymer <i>REACH No. not available yet</i>	< 4	polymer 9010-79-1 -	<i>not classified as dangerous</i>	<i>not classified as dangerous</i>	Exp. lim. (nat./SVK) see 8.1
amorphous silica siloxanes and silicones, di-Me, reaction products with silica <i>REACH No. not available yet</i>	< 2	mixture 67762-90-7 -	<i>not classified as dangerous</i>	<i>not classified as dangerous</i>	Exp. lim. (nat./SVK) see 8.1

* For full wording of used Risk Phrases (R-phrases) and Hazard Statements (H-phrases) see Section 16.e.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Health hazard is minimal, being neither irritating, corrosive, volatile, nor toxic. Effects of over exposure: There are no hazards under normal use conditions. Observe all user considerations and safety measures stated on the packaging. In case of any health problem or uncertainty seek medical attention and provide information from this Material Safety Data Sheet. Unconscious persons place in the stabilized position and observe the breathing. Never give any fluids to unconscious persons.

Inhalation:	As of physical status (closed container) inhalation is not expected. If the container is opened, released powder may cause slight irritation of respiratory tract. In case of individual problems following the aerosols inhalation, remove the affected persons to a fresh air. Administer oxygen or artificial respiration if there is difficulty breathing until medical attendance. Seek medical advice if the symptoms persist.
Skin contact:	As of physical status (closed container) skin contact is not expected. If the container is opened: Immediately remove all soiled or stained clothing. Wash the affected area immediately and repeatedly with soap and water. Seek medical advice if the skin irritation persists.
Eye contact:	As of physical status (closed container) eye contact is not expected. If the container is opened: Keep eyelids open and rinse immediately and repeatedly with copious amount of water for at least 5 - 10 minutes. Remove contact lenses if present. Seek medical advice if the irritation persists.
Ingestion:	As of physical status (closed container) ingestion is not expected. If the container is opened: Wash mouth with water; give some water to drink (only if the affected person is conscious). Do not induce vomiting! In case of spontaneous vomiting avoid aspiration of the vomits. Get medical attention immediately and show product package or label!

4.2 Most important symptoms and effects, both acute and delayed

As of physical status (closed container) contact with the mixture is not expected. There are no hazards under normal use conditions. If the container is opened, released powder may cause slight irritation of respiratory tract.

4.3 Indication of any immediate medical attention and special treatment needed

No specific therapy known. Use supportive and symptomatic treatment.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media:	water spray, alcohol-resistant foam, dry-powder, carbon dioxide or other fire-fighting gases
Unsuitable extinguishing media:	Do not use a solid water stream as it may scatter and spread fire.



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5.2 Special hazards arising from the substance or mixture	<p>The pigment is not a highly flammable, but when suspended in air, is combustible as with most organic powders. Incomplete combustion and thermolysis may produce toxic, irritating and flammable decomposition products (such as carbon monoxide, carbon dioxide, sooth, aldehydes and other products of organic compounds decomposition).</p>
5.3 Advice for fire-fighters	<p>Always wear self-contained breathing apparatus and protective suit. In case of a large fire or in confined or poorly ventilated spaces, wear full fire resistant protective clothing and self-contained breathing apparatus (SCBA) - risk of toxic, irritating and flammable decomposition products. Specific fire-fighting equipment has to comply Act No. 314/2001 Coll. on the protection against fire and Act No. 315/2001 Coll. on Fire and Rescue Corps. Advance from the upwind. Use appropriate barriers to avoid leakage of contaminated waters. Cool containers with water spray; remove from the affected area if possible. Contaminated waters should not enter the environment.</p>

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures	<p>Observe all user considerations and safety measures. No special requirements are needed under normal use conditions.</p> <p>If the container is opened: Avoid dust inhalation. Prevent skin and eye contact. Adequate ventilation and cleanup must be maintained to minimize dust accumulation / throw-up. May form explosive dust-air mixture. According to the release scale use appropriate other personal protection (gloves, mask, protective clothes, see Section 8). All unprotected persons should be restraint.</p>
6.2 Environmental precautions	<p>No special requirements are needed.</p>
6.3 Methods and materials for containment and cleaning up	<p>Bigger amounts pick-up carefully - avoid dust throw-up. Soak up the rests with wet clothes. Collect to appropriate containers. All containers should be appropriately labeled. Dispose according to valid legislation; send to dangerous wastes treatment facility. Clean up affected areas with water and detergent.</p>
6.4 Reference to other sections	<p>Adhere to instructions in the section 8 and 13.</p>

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling	<p>Observe all user considerations and safety measures. No special requirements are needed under normal use conditions. Handle with care, avoid breaking the container and subsequent leakage. Keep containers closed when not in use.</p> <p>If the container is opened: Avoid dust inhalation. Prevent skin and eye contact. Use appropriate protective clothes and personal protection (see 8.2). Adhere to all personal protection and work safety regulations. Ensure appropriate ventilation during handling. Minimize dust generation and accumulation. Avoid breathing dust. Wash skin with soap and water after contact.</p> <p>Empty containers may contain product residue. Do not reuse and damage empty container.</p>
7.2 Conditions for safe storage, including any incompatibilities	<p>Store in dry and calm areas. Protect from direct sunlight and warm/heating. Keep out of oxidizing materials. Keep out of the reach of children.</p>
7.3 Specific end uses	<p>toner for laser printers / copiers</p>



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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Expositions limits in accordance with the Regulation 471/2011 Coll. (SK), Appendix 1: the highest permissible exposition limits for gases, vapours and aerosols with general toxic effects in the workplace atmosphere (NPEL):

CAS	Substance name	NPEL
-	polyester resin* (solid aerosols with predominant irritation effects)	NPELc: 5 mg/m ³
1333-86-4	carbon black*	NPELr average (respirable fraction): Fr ≤ 5%: 2 mg/m ³ Fr > 5%: 10 mg/m ³ NPELc average (total concentration): 10 mg/m ³
12227-89-3	iron oxides, fumes (as Fe)*	NPEL average (respirable fraction): 1,5 mg/m ³ NPEL average (inhalable fraction): 4 mg/m ³
9003-07-0	polypropylene* (solid aerosols with predominant irritation effects)	NPELc: 5 mg/m ³
67762-90-7	amorphous silica* as: Other silicates	NPELr average (respirable fraction): Fr ≤ 5%: 2 mg/m ³ Fr > 5%: 10 mg/m ³ NPELc average (total concentration): 10 mg/m ³

* Exposition not expected under normal use conditions / applicable only when the container is opened / broken

Indicative occupational exposure limit values in accordance with the Directive 2000/39/EC, Directive 2006/15/EC and Directive 2009/161/EC: not set

Indicative biological limits: not set

DNEL: not set

PNEC: not set

8.2 Exposure controls

In accordance with Regulation No. 355/2006 Coll. (SK), amended by Regulation No. 471/2011 Coll. (SK).

Appropriate engineering controls:

Observe all user considerations and safety measures. No special requirements are needed under normal use conditions.

If the container is opened: Avoid contact with skin, eyes and mucous membranes. Avoid dust inhalation. Adequate ventilation and cleanup must be maintained to minimize dust accumulation / throw-up. Do not eat, drink or smoke during manipulation. Wash your hands immediately following the product manipulation. Remove contaminated clothing, take a shower and use clean clothing. Ensure exposure controls in accordance with the Act 124/2006 Coll. (SK) on Occupational Safety and Health Protection.

Individual protection measures, such as personal protective equipment:

a) Eye / face protection
No special requirements are needed under normal use conditions

b) Skin protection:
No special requirements are needed under normal use conditions.

If the container is opened: Wear appropriate rubber gloves (STN EN 374-1) and appropriate antistatic protective clothes and boots (STN EN ISO 20345).

Note: When selecting specific type of the protective gloves for specific use and exposition duration you should consider all factors of the occupational exposure, such as other chemicals used, physical factors (possibility of cutting/tearing, thermal protection), and other specifications and recommendations of the gloves manufacturer. Inspect and replace worn or damaged gloves.



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- c) Respiratory protection:
No special requirements are needed under normal use conditions.
- If the container is opened: Do not inhale powder / aerosols. Ensure appropriate ventilation or exhaustion at the workplace. If exposure limits are over, use self-contained breathing apparatus or face mask with particle filter (P2, STN EN 14387+A1).
- d) Thermal hazards:
No such risk when normally used.
- Environmental exposure controls:
See information in sections 6 and 12. Adhere to requirements of the Act No. 4787/2002 Coll. on air protection (*Air Act*) as amended and the Act No. 364/2004 Coll. on waters (*Water Act*) as amended.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Properties	Properties	Properties
Appearance:	fine powder in plastic container	-
Colour:	black	-
Odour:	no specific odour	-
Odour threshold:	information not available	-
pH:	information not available	-
Melting point/freezing point:	information not available	-
Initial boiling point and boiling range:	information not available	-
Flash point:	information not available	-
Evaporation rat:	information not available	-
Flammability (solid, gas)	information not available	-
Upper/lower flammability or explosive limits:	information not available	-
Vapour pressure:	information not available	-
Vapour density:	information not available	-
Relative density:	information not available	-
Solubility/ies:	insoluble in water	20°C
Partition coefficient: n-octanol/water:	information not available	-
Auto-ignition temperature:	information not available	-
Decomposition temperature:	information not available	-
Viscosity:	information not available	-
Explosive properties:	may form explosive dust-air mixture	-
Oxidising properties:	no oxidising properties	-

9.2 Other information

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SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	Mixture is not reactive under normal conditions of storage and use.
10.2 Chemical stability	Mixture is chemically stable under normal conditions of storage and use.
10.3 Possibility of hazardous reactions	Not known.
10.4 Conditions to avoid	Stable under normal conditions. Avoid moisture.
10.5 Incompatible materials	Strong oxidative compounds.
10.6 Hazardous decomposition products	No dangerous decomposition products under normal use. If fire is involved: Incomplete combustion and thermolysis at high temperatures may produce toxic, irritating and flammable decomposition products (such as carbon monoxide, carbon dioxide, soot, aldehydes and other products of organic compounds decomposition).

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects	Based on composition, no adverse effects for human health are expected for the mixture; therefore the mixture is not considered as dangerous for human health. There are no hazards under normal use conditions.
a) <i>Acute toxicity</i>	Based on available data, the classification criteria are not met.
b) <i>Irritation</i>	Based on available data, the classification criteria are not met. If the container is opened, released powder may cause slight irritation of respiratory tract.
c) <i>Corrosivity</i>	Based on available data, the classification criteria are not met.
d) <i>Sensitization</i>	Based on available data, the classification criteria are not met. Compounds have no sensitization effects.
e) <i>Repeated Dose Toxicity</i>	Based on available data, the classification criteria are not met. Based on composition, applicable doses not expected to have specific toxicity following repeated exposure. In a study in rats (H. Muhle) by chronic inhalation exposure to a typical toner. A mild to moderate degree of lung fibrosis in 92% of the rats in the concentration(16mg/m ³) exposure group, and a minimal to mild degree of fibrosis was noted in 22% of the animals in the middle (4mg/ m ³) exposure group. But no pulmonary changes were reported in the lowest (1mg/ m ³) exposure group, the most relevant level to potential human exposures.
f) <i>Carcinogenicity</i>	Based on available data, the classification criteria are not met. Compounds have no potential for carcinogenicity.
g) <i>Mutagenicity</i>	Based on available data, the classification criteria are not met. Compounds have no potential mutagenicity.
h) <i>Toxicity for reproduction</i>	Based on available data, the classification criteria are not met. Compounds have no potential for reproductive toxicity.



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SECTION 12: ECOLOGICAL INFORMATION

Based on composition, no adverse effects in the environment are expected for the mixture; therefore the mixture is not considered as dangerous for the environment.

12.1 Toxicity	Not determined for the mixture. Based on composition, no adverse effects in the environment are expected for the mixture.
12.2 Persistence and degradability	Information for the mixture not available.
12.3 Bioaccumulative potential	Information for the mixture not available. Based on composition, bioaccumulation is not expected.
12.4 Mobility in soil	Insoluble in water. Based on physic-chemical properties mobility in soil not expected.
12.5 Results of PBT and vPvB assessment	The mixture is not fulfilling criteria for PBT or vPvB according to Annex XIII, Regulation EC No. 1272/2008. Compounds are not listed on the Candidate list of Substances of Very High Concern (SVHC).
12.6 Other adverse effects	Not known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods	<p>It is recommended to dispose all rests in authorized dangerous waste facility. Disposal has to comply all requirements of the Act No. 223/2001 Coll. (SK) on wastes.</p> <p><u>Substance or mixture disposal methods:</u> Dispose in accordance with the valid waste legislation as dangerous waste. Do not dispose as a common household waste. Dispose in a certified hazardous waste facility. According to the European Waste Catalogue waste codes are not specific for product, but for its use. Therefore, appropriate waste code should assign final user according to his specific use.</p> <p>Proposed waste classification, based on common use: 08 03 WASTES FROM MFSU OF PRINTING INKS Waste type name: waste printing toner other than those mentioned in 08 03 17 Waste catalog code according to Degree No. 284/2001 Coll.: 08 03 18 Waste category: O (not hazardous)</p> <p><u>Contaminated packages disposal methods:</u> Dispose in accordance with the valid waste legislation as dangerous waste.</p> <p>Proposed waste classification, based on common use: 15 01 packaging (including separately collected municipal packaging waste) Waste type name: paper and cardboard packaging / plastic packaging Waste catalog code for empty package according to Degree No. 284/2001 Coll.: 15 01 01 / 15 01 02 Waste category: O (not hazardous)</p>
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SECTION 14: TRANSPORT INFORMATION

	The mixture is not classified as dangerous for transport according to ADR/RID/IMDG/ICAO/IATA.			
14.1 UN Number -				
14.2 UN proper shipping name				
	<i>Road transport ADR</i>	<i>Rail transport RID</i>	<i>International maritime transport IMDG</i>	<i>Air transport ICAO/IATA</i>
	-	-	-	-



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14.3	Transport hazard class(es)			
	<i>Road transport ADR</i>	<i>Rail transport RID</i>	<i>International maritime transport IMDG</i>	<i>Air transport ICAO/IATA</i>
	-	-	-	-
	Classification code			
	-	-	-	-
	Hazard identification number (Kemler)			
	-	-	-	-
	Labels			
	-	-	-	-
	Other notes			
	-	-	-	-
14.4	Packing group			
	<i>Road transport ADR</i>	<i>Rail transport RID</i>	<i>International maritime transport IMDG</i>	<i>Air transport ICAO/IATA</i>
	-	-	-	-
14.5	Environmental hazards: no			
14.6	Special precautions for user: not required			
14.7	Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: not transported			

SECTION 15: REGULATORY INFORMATION

15.1	Safety, health and environmental regulations/legislation specific for the substance or mixture
	<p><u>Relevant legislation European Union:</u></p> <ul style="list-style-type: none"> - Act No 67/2010 on conditions applicable to the placing on the market of chemical substances and chemical mixtures, amending certain acts (Chemicals Act) - Regulation (EC) No 1907/2006 of the European Parliament and of the , concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH) - Regulation EC No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 - Commission Regulation(ES) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) - Commission Directive 2013/10/EU of 19 March 2013 amending Council Directive 75/324/EEC on the approximation of the laws of the Member States relating to aerosol dispensers in order to adapt its labelling provisions to Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures - Directive 1999/45/EC of the European Parliament and of the Council of 31 May 1999 concerning the approximation of the laws, regulations and administrative provisions of the Member States relating to the classification, packaging and labelling of dangerous preparations - Council Directive 67/548/EEC of 27 June 1967 on the approximation of laws, regulations and administrative provisions relating to the classification, packaging and labelling of dangerous substances - Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work - Commission Directive 2006/15/EC of 7 February 2006 establishing a second list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Directives 91/322/EEC and 2000/39/EC - Commission Directive 2009/161/EU of 17 December 2009 establishing a third list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Commission Directive 2000/39/EC - Council Directive 1999/13/EC of 11 March 1999 on the limitation of emissions of volatile organic compounds due to the use of organic solvents incertain activities and installations



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Relevant local legislation:

- Zákon č. 67/2010 Z.z., o podmienkach uvedenia chemických látok a chemických zmesí na trh a o zmene a doplnení niektorých zákonov (chemický zákon)
- Výnos MH SR 3/2010, ktorým sa ustanovujú podrobnosti o všeobecných požiadavkách na klasifikáciu, označovanie a balenie nebezpečných látok a zmesí
- Zákon č. 124/2006 Z. z. o bezpečnosti a ochrane zdravia pri práci a o zmene a doplnení niektorých zákonov v znení zákona č. 309/2007 Z. z., zákona č. 140/2008 Z. z., zákona č. 132/2010 Z. z. a zákona č. 136/2010 Z. z..
- Zákon NR SR č. 355/2007 Z.z., o ochrane, podpore a rozvoji verejného zdravia a o zmene a doplnení niektorých zákonov, v znení neskorších predpisov
- Nariadenie vlády SR 471/2011 Z.z., ktorým sa mení nariadenie vlády Slovenskej republiky č. 355/2006 Z. z. o ochrane zamestnancov pred rizikami súvisiacimi s expozíciou chemickým faktorom pri práci, Príloha č.1
- Zákon č. 223/2001 o odpadoch a o zmene a doplnení niektorých zákonov z 15. mája 2001, v znení neskorších predpisov (773/2004 Z.z.).
- Vyhláška Ministerstva životného prostredia SR č. 284/2001 Z.z. z 11. júna 2001, ktorou sa ustanovuje Katalóg odpadov.
- Výnos MH SR č. 3/2010, ktorým sa ustanovujú podrobnosti o všeobecných požiadavkách na klasifikáciu, označovanie a balenie nebezpečných látok a zmesí
- Vyhláška MV SR č. 96/2004 Z.z., ktorou sa ustanovujú zásady protipožiarnej bezpečnosti pri manipulácii a skladovaní horľavých kvapalín, ťažkých vykurovacích olejov a rastlinných a živočíšnych tukov a olejov
- Zákon č. 137/2010 Z. z. o ovzduší
- Vyhláška MŽP SR č. 410/2012 Z. z., ktorou sa vykonávajú niektoré ustanovenia zákona o ovzduší
- Vyhláška Ministerstva pôdohospodárstva, životného prostredia a regionálneho rozvoja Slovenskej republiky č. 358/2010 Z.z., ktorou sa ustanovujú emisné limity, technické požiadavky a všeobecné podmienky prevádzkovania zdrojov a ich zariadení, v ktorých sa používajú organické rozpúšťadlá, a monitorovanie ich emisií

15.2 Chemical safety assessment
Chemical safety assessment not carried yet

SECTION 16: OTHER INFORMATION

- a) *Changes made to the previous version of the safety data sheet*
not relevant – the first issue, version 1.0
- b) *Key or legend to abbreviations and acronyms used in the safety data sheet*
- | | |
|-------------|--|
| Exp. lim. | Exposure limit |
| NPEL | The highest permissible exposure limit |
| OEL | Occupational exposure limit |
| PBT | Substances persistent, bioaccumulative and toxic |
| vPvB | Substances very persistent and very bioaccumulative |
| VOC | Volatile organic compound |
| DNEL | Derived No Effect Level |
| PNEC | Predicted No Effect Concentration |
| PBT | Substances persistent, bioaccumulative and toxic |
| LD50 / LC50 | Lethal dose / concentration affecting 50% of tested population |
- c) *Key literature references and sources for data*
Original manufacturer Material Safety Data Sheet Toner cartridge ColorWay (GROSS COMPANY LIMITED, LTD, Hong Kong), version 27. 3. 2014.
- d) *Methods of evaluating information used for the purpose of classification*
The mixture was classified by expert judgment and conventional calculations methods in accordance with the Direction 1999/45/EC.
- e) *Full wording of used Risk Phrases (R-phrases) and Hazard Statements (H-phrases)*
Not applied.
- f) *Advice on any training appropriate for workers*
Not required.
- g) *Other information*
Material Safety Data Sheet is compiled in accordance with the Law 67/2010 Coll. (Slovak Republic), Regulation EC 1907/2006 (REACH), Regulation EC 1272/2008 (CLP) and Commission Regulation EC 453/2010. Material Safety Data Sheet contains information on safe use, occupational health protection, and environmental protection. The information contained herein is given in good faith and is accurate to the best of knowledge at the date indicated above. This particular information applies on the product as supplied and may not be valid in mixtures with other substances. If used for other



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purposes as identified in this MSDS, the distributor is not liable for any damage.

The information given herein in no way dispenses the user from knowing and applying all provisions regulating his activity. The user bears sole liability for the precautions required when using the product. The regulatory texts indicated herein are intended to aid the user to fulfill his obligations. This list is not to be considered complete and exhaustive. It is the user's responsibility to ensure that he is subject to no other obligations than those mentioned.

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