



SAFETY DATA SHEET

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

Important information *** This Safety Data Sheet is only authorised for use by HP for HP Original products. Any unauthorised use of this Safety Data Sheet is strictly prohibited and may result in legal action being taken by HP. ***

1.1. Product identifier

Trade name or designation of the mixture CN951 Series

Registration number -

UFI

Austria: RPTE-C9AT-X30J-V9U9
Belgium: RPTE-C9AT-X30J-V9U9
Bulgaria: RPTE-C9AT-X30J-V9U9
Cyprus: RPTE-C9AT-X30J-V9U9
Czech Republic: RPTE-C9AT-X30J-V9U9
Denmark: RPTE-C9AT-X30J-V9U9
Estonia: RPTE-C9AT-X30J-V9U9
Finland: RPTE-C9AT-X30J-V9U9
France: RPTE-C9AT-X30J-V9U9
Germany: RPTE-C9AT-X30J-V9U9
Greece: RPTE-C9AT-X30J-V9U9
Hungary: RPTE-C9AT-X30J-V9U9
Iceland: RPTE-C9AT-X30J-V9U9
Ireland: RPTE-C9AT-X30J-V9U9
Italy: RPTE-C9AT-X30J-V9U9
Latvia: RPTE-C9AT-X30J-V9U9
Liechtenstein: RPTE-C9AT-X30J-V9U9
Lithuania: RPTE-C9AT-X30J-V9U9
Luxembourg: RPTE-C9AT-X30J-V9U9
Malta: RPTE-C9AT-X30J-V9U9
Netherlands: RPTE-C9AT-X30J-V9U9
Norway: RPTE-C9AT-X30J-V9U9
Poland: RPTE-C9AT-X30J-V9U9
Portugal: RPTE-C9AT-X30J-V9U9
Romania: RPTE-C9AT-X30J-V9U9
Slovakia: RPTE-C9AT-X30J-V9U9
Slovenia: RPTE-C9AT-X30J-V9U9
Spain: RPTE-C9AT-X30J-V9U9
Sweden: RPTE-C9AT-X30J-V9U9

Synonyms HP Scitex XL300 Classic Yellow Ink

Issue date 26-Jun-2016

Version number 05

Revision date 18-Apr-2021

Supersedes date 16-Apr-2021

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

Identified uses Inkjet printing

Uses advised against None known.

1.3. Details of the supplier of the safety data sheet

HP Deutschland GmbH
Schickardstrasse 32
71034 Böblingen
Germany

Telephone

HP Inc. health effect line

(Toll-free within US) 1-800-457-4209
(Direct) 1-760-710-0048

HP Inc. Customer Care Line

(Toll-free within the US) 1-800-474-6836
(Direct) 1-208-323-2551

Email: hpcustomer.inquiries@hp.com

1.4 Emergency telephone number 1-760-710-0048

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 as amended

Health hazards

Acute toxicity, inhalation	Category 4	H332 - Harmful if inhaled.
Specific target organ toxicity - single exposure	Category 3 narcotic effects	H336 - May cause drowsiness or dizziness.

2.2. Label elements

Label according to Regulation (EC) No. 1272/2008 as amended

Contains: 2-butoxyethyl acetate, 2-methoxy-1-methylethyl acetate, Toluene

Hazard pictograms



Signal word

Warning

Hazard statements

H332	Harmful if inhaled.
H336	May cause drowsiness or dizziness.

Precautionary statements

Prevention

P280	Wear protective gloves/protective clothing/eye protection/face protection.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P271	Use only outdoors or in a well-ventilated area.

Response

P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312	Call a poison center/doctor if you feel unwell.

Storage

P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.

Disposal

P501	Dispose of contents/container in accordance with local/regional/national/international regulations.
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Supplemental label information None.

2.3. Other hazards

Potential routes of exposure to this product are skin and eye contact, ingestion, and inhalation.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

General information

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	Index No.	Notes
2-butoxyethyl acetate	<70	112-07-2 203-933-3	01-2119475112-47-XXXX	607-038-00-2	#
Classification:	Acute Tox. 4;H302, Acute Tox. 4;H312, Acute Tox. 4;H332				
2-methoxy-1-methylethyl acetate	<30	108-65-6 203-603-9	01-2119475791-29-XXXX	607-195-00-7	#
Classification:	Flam. Liq. 3;H226, STOT SE 3;H336				
Toluene	<0.1	108-88-3 203-625-9	-	601-021-00-3	#
Classification:	Flam. Liq. 2;H225, Asp. Tox. 1;H304, Skin Irrit. 2;H315, STOT SE 3;H336, Repr. 2;H361d, STOT RE 2;H373				

SECTION 4: First aid measures

General information Not available.

4.1. Description of first aid measures

Inhalation	Move to fresh air. If symptoms persist, get medical attention.
Skin contact	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. If irritation persists get medical attention. Remove and isolate contaminated clothing and shoes. Thoroughly wash (or discard) clothing and shoes before reuse.
Eye contact	In case of contact, immediately flush eyes with large amounts of water, continuing to flush for 15 minutes. If irritation persists get medical attention.
Ingestion	If swallowed, seek medical advice immediately and show this container or label.

4.2. Most important symptoms and effects, both acute and delayed Not available.

4.3. Indication of any immediate medical attention and special treatment needed Treat symptomatically.

SECTION 5: Firefighting measures

General fire hazards Not available.

5.1. Extinguishing media

Suitable extinguishing media	CO2, water, dry chemical, or foam
Unsuitable extinguishing media	Do not use a solid water stream as it may scatter and spread fire.

5.2. Special hazards arising from the substance or mixture Not available.

5.3. Advice for firefighters

Special protective equipment for firefighters	Not available.
Special fire fighting procedures	Firefighters should wear full protective clothing including self contained breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	Ensure adequate ventilation.
For emergency responders	Not available.

6.2. Environmental precautions Not available.

6.3. Methods and material for containment and cleaning up Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

6.4. Reference to other sections Not available.

SECTION 7: Handling and storage

7.1. Precautions for safe handling Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists of this product. Use with adequate ventilation. Wear personal protective equipment.

7.2. Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks and flame.

7.3. Specific end use(s)

Not available.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Occupational exposure limits****Austria. MAK List, OEL Ordinance (GwV), BGBl. II, no. 184/2001**

Components	Type	Value
2-Butoxyethyl acetate (CAS 112-07-2)	MAK	133 mg/m ³
		20 ppm
	STEL	270 mg/m ³
Propylene Glycol Monomethyl Ether Acetate (CAS 108-65-6)	Ceiling	40 ppm
		550 mg/m ³
	MAK	100 ppm
Toluene (CAS 108-88-3)	MAK	275 mg/m ³
		50 ppm
	STEL	190 mg/m ³
		50 ppm
		380 mg/m ³
		100 ppm

Belgium. Exposure Limit Values

Components	Type	Value
2-Butoxyethyl acetate (CAS 112-07-2)	STEL	333 mg/m ³
		50 ppm
	TWA	133 mg/m ³
Propylene Glycol Monomethyl Ether Acetate (CAS 108-65-6)		20 ppm
	STEL	550 mg/m ³
	TWA	100 ppm
Toluene (CAS 108-88-3)		275 mg/m ³
		50 ppm
	STEL	384 mg/m ³
		100 ppm
	TWA	77 mg/m ³
		20 ppm

Bulgaria. OELs. Regulation No 13 on protection of workers against risks of exposure to chemical agents at work

Components	Type	Value
2-Butoxyethyl acetate (CAS 112-07-2)	STEL	333 mg/m ³
		50 ppm
	TWA	133 mg/m ³
Propylene Glycol Monomethyl Ether Acetate (CAS 108-65-6)		20 ppm
	STEL	550 mg/m ³
	TWA	100 ppm
		275 mg/m ³
		50 ppm

Bulgaria. OELs. Regulation No 13 on protection of workers against risks of exposure to chemical agents at work

Components	Type	Value
Toluene (CAS 108-88-3)	STEL	384 mg/m3 100 ppm
	TWA	192 mg/m3 50 ppm

Croatia. Dangerous Substance Exposure Limit Values in the Workplace (ELVs), Annexes 1 and 2, Narodne Novine, 13/09

Components	Type	Value
2-Butoxyethyl acetate (CAS 112-07-2)	MAC	133 mg/m3 20 ppm
	STEL	333 mg/m3 50 ppm
Propylene Glycol Monomethyl Ether Acetate (CAS 108-65-6)	MAC	275 mg/m3 50 ppm
	STEL	550 mg/m3 100 ppm
Toluene (CAS 108-88-3)	MAC	192 mg/m3 50 ppm
	STEL	384 mg/m3 100 ppm

Czech Republic. OELs. Government Decree 361

Components	Type	Value
2-Butoxyethyl acetate (CAS 112-07-2)	Ceiling	300 mg/m3
	TWA	130 mg/m3
Propylene Glycol Monomethyl Ether Acetate (CAS 108-65-6)	Ceiling	550 mg/m3
	TWA	270 mg/m3
Toluene (CAS 108-88-3)	Ceiling	500 mg/m3
	TWA	200 mg/m3

Denmark. Exposure Limit Values

Components	Type	Value
2-Butoxyethyl acetate (CAS 112-07-2)	TLV	134 mg/m3 20 ppm
	TLV	275 mg/m3 50 ppm
Toluene (CAS 108-88-3)	TLV	94 mg/m3 25 ppm

Estonia. OELs. Occupational Exposure Limits of Hazardous Substances. (Annex of Regulation No. 293 of 18 September 2001)

Components	Type	Value
2-Butoxyethyl acetate (CAS 112-07-2)	STEL	333 mg/m3 50 ppm
	TWA	133 mg/m3 20 ppm

Estonia. OELs. Occupational Exposure Limits of Hazardous Substances. (Annex of Regulation No. 293 of 18 September 2001)

Components	Type	Value
Propylene Glycol Monomethyl Ether Acetate (CAS 108-65-6)	STEL	550 mg/m ³
		100 ppm
Toluene (CAS 108-88-3)	TWA	275 mg/m ³
		50 ppm
	STEL	384 mg/m ³
	TWA	192 mg/m ³
		50 ppm

Finland. Workplace Exposure Limits

Components	Type	Value
2-Butoxyethyl acetate (CAS 112-07-2)	STEL	330 mg/m ³
		50 ppm
Propylene Glycol Monomethyl Ether Acetate (CAS 108-65-6)	TWA	130 mg/m ³
		20 ppm
	STEL	550 mg/m ³
Toluene (CAS 108-88-3)	TWA	270 mg/m ³
		50 ppm
	STEL	380 mg/m ³
	TWA	81 mg/m ³
		25 ppm

France. Threshold Limit Values (VLEP) for Occupational Exposure to Chemicals in France, INRS ED 984

Components	Type	Value
2-Butoxyethyl acetate (CAS 112-07-2)	VLE	333 mg/m ³
	Regulatory status: Regulatory binding (VRC)	50 ppm
	Regulatory status: Regulatory binding (VRC)	66.5 mg/m ³
	Regulatory status: Regulatory binding (VRC)	10 ppm
Propylene Glycol Monomethyl Ether Acetate (CAS 108-65-6)	VLE	550 mg/m ³
		110 ppm
	VME	275 mg/m ³
Toluene (CAS 108-88-3)		50 ppm
	VLE	384 mg/m ³
	Regulatory status: Regulatory binding (VRC)	100 ppm
	Regulatory status: Regulatory binding (VRC)	76.8 mg/m ³
	Regulatory status: Regulatory binding (VRC)	20 ppm
Regulatory status: Regulatory binding (VRC)		

Germany. DFG MAK List (advisory OELs). Commission for the Investigation of Health Hazards of Chemical Compounds in the Work Area (DFG)

Components	Type	Value	Form
2-Butoxyethyl acetate (CAS 112-07-2)	TWA	66 mg/m3	Vapor and aerosol.
		10 ppm	Vapor and aerosol.
Propylene Glycol Monomethyl Ether Acetate (CAS 108-65-6)	TWA	270 mg/m3	
		50 ppm	
Toluene (CAS 108-88-3)	TWA	190 mg/m3	
		50 ppm	

Germany. TRGS 900, Limit Values in the Ambient Air at the Workplace

Components	Type	Value	Form
2-Butoxyethyl acetate (CAS 112-07-2)	AGW	130 mg/m3	Vapor and aerosol.
		20 ppm	Vapor and aerosol.
Propylene Glycol Monomethyl Ether Acetate (CAS 108-65-6)	AGW	270 mg/m3	
		50 ppm	
Toluene (CAS 108-88-3)	AGW	190 mg/m3	
		50 ppm	

Greece. OELs (Decree No. 90/1999, as amended)

Components	Type	Value
2-Butoxyethyl acetate (CAS 112-07-2)	STEL	270 mg/m3
		40 ppm
	TWA	135 mg/m3
Propylene Glycol Monomethyl Ether Acetate (CAS 108-65-6)	STEL	20 ppm
		550 mg/m3
	TWA	100 ppm
Toluene (CAS 108-88-3)	STEL	275 mg/m3
		50 ppm
	TWA	384 mg/m3
	STEL	100 ppm
		192 mg/m3
	TWA	50 ppm

Hungary. OELs. Joint Decree on Chemical Safety of Workplaces

Components	Type	Value
2-Butoxyethyl acetate (CAS 112-07-2)	STEL	333 mg/m3
	TWA	133 mg/m3
Propylene Glycol Monomethyl Ether Acetate (CAS 108-65-6)	STEL	550 mg/m3
	TWA	275 mg/m3
Toluene (CAS 108-88-3)	STEL	380 mg/m3
	TWA	190 mg/m3

Iceland. OELs. Regulation 154/1999 on occupational exposure limits

Components	Type	Value
2-Butoxyethyl acetate (CAS 112-07-2)	STEL	333 mg/m3
		50 ppm

Iceland. OELs. Regulation 154/1999 on occupational exposure limits

Components	Type	Value
Propylene Glycol Monomethyl Ether Acetate (CAS 108-65-6)	TWA	133 mg/m ³ 20 ppm
	STEL	550 mg/m ³
Toluene (CAS 108-88-3)	TWA	100 ppm 275 mg/m ³ 50 ppm
	STEL	188 mg/m ³ 50 ppm
	TWA	94 mg/m ³ 25 ppm

Ireland. Occupational Exposure Limits

Components	Type	Value
2-Butoxyethyl acetate (CAS 112-07-2)	STEL	333 mg/m ³ 50 ppm
	TWA	133 mg/m ³ 20 ppm
Propylene Glycol Monomethyl Ether Acetate (CAS 108-65-6)	STEL	550 mg/m ³
	TWA	100 ppm 275 mg/m ³ 50 ppm
Toluene (CAS 108-88-3)	STEL	384 mg/m ³ 100 ppm
	TWA	192 mg/m ³ 50 ppm

Italy. Occupational Exposure Limits

Components	Type	Value
2-Butoxyethyl acetate (CAS 112-07-2)	STEL	333 mg/m ³ 50 ppm
	TWA	133 mg/m ³ 20 ppm
Propylene Glycol Monomethyl Ether Acetate (CAS 108-65-6)	STEL	550 mg/m ³
	TWA	100 ppm 275 mg/m ³ 50 ppm
Toluene (CAS 108-88-3)	TWA	192 mg/m ³ 50 ppm

Latvia. OELs. Occupational exposure limit values of chemical substances in work environment

Components	Type	Value
2-Butoxyethyl acetate (CAS 112-07-2)	STEL	333 mg/m ³ 50 ppm
	TWA	133 mg/m ³ 20 ppm

Latvia. OELs. Occupational exposure limit values of chemical substances in work environment

Components	Type	Value
Propylene Glycol Monomethyl Ether Acetate (CAS 108-65-6)	STEL	550 mg/m ³
		100 ppm
Toluene (CAS 108-88-3)	TWA	275 mg/m ³
		50 ppm
	STEL	150 mg/m ³
		40 ppm
TWA	50 mg/m ³	
	14 ppm	

Lithuania. OELs. Limit Values for Chemical Substances, General Requirements

Components	Type	Value
2-Butoxyethyl acetate (CAS 112-07-2)	STEL	140 mg/m ³
		20 ppm
	TWA	70 mg/m ³
Propylene Glycol Monomethyl Ether Acetate (CAS 108-65-6)	STEL	400 mg/m ³
		75 ppm
	TWA	250 mg/m ³
		50 ppm
Toluene (CAS 108-88-3)	STEL	384 mg/m ³
		100 ppm
	TWA	192 mg/m ³
		50 ppm

Luxembourg. Binding Occupational exposure limit values (Annex I), Memorial A

Components	Type	Value
2-Butoxyethyl acetate (CAS 112-07-2)	STEL	333 mg/m ³
		50 ppm
	TWA	133 mg/m ³
Propylene Glycol Monomethyl Ether Acetate (CAS 108-65-6)	STEL	550 mg/m ³
		100 ppm
	TWA	275 mg/m ³
		50 ppm
Toluene (CAS 108-88-3)	STEL	384 mg/m ³
		100 ppm
	TWA	192 mg/m ³
		50 ppm

Malta. OELs. Occupational Exposure Limit Values (L.N. 227. of Occupational Health and Safety Authority Act (CAP. 424), Schedules I and V)

Components	Type	Value
2-Butoxyethyl acetate (CAS 112-07-2)	STEL	333 mg/m ³
		50 ppm
	TWA	133 mg/m ³
		20 ppm

Malta. OELs. Occupational Exposure Limit Values (L.N. 227. of Occupational Health and Safety Authority Act (CAP. 424), Schedules I and V)

Components	Type	Value
Propylene Glycol Monomethyl Ether Acetate (CAS 108-65-6)	STEL	550 mg/m3
		100 ppm
Toluene (CAS 108-88-3)	TWA	275 mg/m3
		50 ppm
	STEL	384 mg/m3
	TWA	192 mg/m3
	50 ppm	

Netherlands. OELs (binding)

Components	Type	Value
2-Butoxyethyl acetate (CAS 112-07-2)	STEL	333 mg/m3
	TWA	135 mg/m3
Propylene Glycol Monomethyl Ether Acetate (CAS 108-65-6)	TWA	550 mg/m3
Toluene (CAS 108-88-3)	STEL	384 mg/m3
	TWA	150 mg/m3

Norway. Administrative Norms for Contaminants in the Workplace

Components	Type	Value
2-Butoxyethyl acetate (CAS 112-07-2)	TLV	65 mg/m3
		10 ppm
Propylene Glycol Monomethyl Ether Acetate (CAS 108-65-6)	TLV	270 mg/m3
		50 ppm
Toluene (CAS 108-88-3)	TLV	94 mg/m3
		25 ppm

Poland. Ordinance of the Minister of Labour and Social Policy on 6 June 2014 on the maximum permissible concentrations and intensities of harmful health factors in the work environment, Journal of Laws 2014, item 817

Components	Type	Value
2-Butoxyethyl acetate (CAS 112-07-2)	STEL	300 mg/m3
	TWA	100 mg/m3
Propylene Glycol Monomethyl Ether Acetate (CAS 108-65-6)	STEL	520 mg/m3
	TWA	260 mg/m3
Toluene (CAS 108-88-3)	STEL	200 mg/m3
	TWA	100 mg/m3

Portugal. OELs. Decree-Law n. 290/2001 (Journal of the Republic - 1 Series A, n.266)

Components	Type	Value
2-Butoxyethyl acetate (CAS 112-07-2)	STEL	333 mg/m3
		50 ppm
	TWA	133 mg/m3
	20 ppm	
Propylene Glycol Monomethyl Ether Acetate (CAS 108-65-6)	STEL	550 mg/m3

Portugal. OELs. Decree-Law n. 290/2001 (Journal of the Republic - 1 Series A, n.266)

Components	Type	Value
		100 ppm
	TWA	275 mg/m3
		50 ppm
Toluene (CAS 108-88-3)	STEL	384 mg/m3
		100 ppm
	TWA	192 mg/m3
		50 ppm

Portugal. VLEs. Norm on occupational exposure to chemical agents (NP 1796)

Components	Type	Value
2-Butoxyethyl acetate (CAS 112-07-2)	TWA	20 ppm
Toluene (CAS 108-88-3)	TWA	50 ppm

Romania. OELs. Protection of workers from exposure to chemical agents at the workplace

Components	Type	Value
2-Butoxyethyl acetate (CAS 112-07-2)	STEL	333 mg/m3
		50 ppm
	TWA	133 mg/m3
		20 ppm
Propylene Glycol Monomethyl Ether Acetate (CAS 108-65-6)	STEL	550 mg/m3
		100 ppm
	TWA	275 mg/m3
		50 ppm
Toluene (CAS 108-88-3)	STEL	384 mg/m3
		100 ppm
	TWA	192 mg/m3
		50 ppm

Slovakia. OELs. Regulation No. 300/2007 concerning protection of health in work with chemical agents

Components	Type	Value
2-Butoxyethyl acetate (CAS 112-07-2)	STEL	333 mg/m3
		50 ppm
	TWA	133 mg/m3
		20 ppm
Propylene Glycol Monomethyl Ether Acetate (CAS 108-65-6)	STEL	550 mg/m3
		100 ppm
	TWA	275 mg/m3
		50 ppm
Toluene (CAS 108-88-3)	STEL	384 mg/m3
		100 ppm
	TWA	192 mg/m3
		50 ppm

Slovenia. OELs. Regulations concerning protection of workers against risks due to exposure to chemicals while working (Official Gazette of the Republic of Slovenia)

Components	Type	Value
2-Butoxyethyl acetate (CAS 112-07-2)	TWA	133 mg/m3
		20 ppm

Slovenia. OELs. Regulations concerning protection of workers against risks due to exposure to chemicals while working (Official Gazette of the Republic of Slovenia)

Components	Type	Value
Propylene Glycol Monomethyl Ether Acetate (CAS 108-65-6)	TWA	275 mg/m ³
		50 ppm
Toluene (CAS 108-88-3)	TWA	192 mg/m ³
		50 ppm

Spain. Occupational Exposure Limits

Components	Type	Value
2-Butoxyethyl acetate (CAS 112-07-2)	STEL	333 mg/m ³
		50 ppm
	TWA	133 mg/m ³ 20 ppm
Propylene Glycol Monomethyl Ether Acetate (CAS 108-65-6)	STEL	550 mg/m ³
		100 ppm
	TWA	275 mg/m ³ 50 ppm
Toluene (CAS 108-88-3)	STEL	384 mg/m ³
		100 ppm
	TWA	192 mg/m ³ 50 ppm

Sweden. OELs. Work Environment Authority (AV), Occupational Exposure Limit Values (AFS 2015:7)

Components	Type	Value
2-Butoxyethyl acetate (CAS 112-07-2)	Ceiling	333 mg/m ³
		50 ppm
	TWA	70 mg/m ³ 10 ppm
Propylene Glycol Monomethyl Ether Acetate (CAS 108-65-6)	Ceiling	550 mg/m ³
		100 ppm
	TWA	275 mg/m ³ 50 ppm
Toluene (CAS 108-88-3)	Ceiling	384 mg/m ³
		100 ppm
	TWA	192 mg/m ³ 50 ppm

Switzerland. SUVA Grenzwerte am Arbeitsplatz

Components	Type	Value
2-Butoxyethyl acetate (CAS 112-07-2)	STEL	132 mg/m ³
		20 ppm
	TWA	66 mg/m ³ 10 ppm
Propylene Glycol Monomethyl Ether Acetate (CAS 108-65-6)	STEL	275 mg/m ³
		50 ppm
	TWA	275 mg/m ³

Switzerland. SUVA Grenzwerte am Arbeitsplatz

Components	Type	Value
Toluene (CAS 108-88-3)	STEL	50 ppm
		760 mg/m ³
	TWA	200 ppm
		190 mg/m ³
		50 ppm

UK. EH40 Workplace Exposure Limits (WELs)

Components	Type	Value
2-Butoxyethyl acetate (CAS 112-07-2)	STEL	332 mg/m ³
	TWA	50 ppm
		133 mg/m ³
Propylene Glycol Monomethyl Ether Acetate (CAS 108-65-6)	STEL	20 ppm
	TWA	548 mg/m ³
		100 ppm
Toluene (CAS 108-88-3)	STEL	274 mg/m ³
		50 ppm
	TWA	384 mg/m ³
100 ppm		
		191 mg/m ³
		50 ppm

EU. Indicative Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU, 2017/164/EU

Components	Type	Value
2-Butoxyethyl acetate (CAS 112-07-2)	STEL	333 mg/m ³
	TWA	50 ppm
		133 mg/m ³
Propylene Glycol Monomethyl Ether Acetate (CAS 108-65-6)	STEL	20 ppm
	TWA	550 mg/m ³
		100 ppm
Toluene (CAS 108-88-3)	STEL	275 mg/m ³
		50 ppm
	TWA	384 mg/m ³
100 ppm		
		192 mg/m ³
		50 ppm

Biological limit values**Croatia. BLV. Dangerous Substance Exposure Limit Values at Workplace, Annexes 4 (as amended)**

Components	Value	Determinant	Specimen	Sampling Time
Toluene (CAS 108-88-3)	2.5 g/g	Hippuric acid	Creatinine in urine	*
	1 mg/g	o-Cresol	Creatinine in urine	*
	1 mg/l	Toluene	Blood	*
	1.05 mmol/mol	o-Cresol	Creatinine in urine	*
	1.58 mol/mol	Hippuric acid	Creatinine in urine	*
	20 ppm		End-exhaled air	*

Croatia. BLV. Dangerous Substance Exposure Limit Values at Workplace, Annexes 4 (as amended)

Components	Value	Determinant	Specimen	Sampling Time
	10.85 µmol/l	Toluene	Blood	*
	0.83 µmol/l		End-exhaled air	*

* - For sampling details, please see the source document.

Czech Republic. Limit Values for Indicators of Biological Exposure Tests in Urine and Blood, Annex 2, Tables 1 and 2, Government Decree 432/2003 Sb.

Components	Value	Determinant	Specimen	Sampling Time
2-Butoxyethyl acetate (CAS 112-07-2)		Butoxyacetic acid (with hydrolysis)	Creatinine in urine	*
	0.17 mmol/mmol	Butoxyacetic acid (with hydrolysis)	Creatinine in urine	*
Toluene (CAS 108-88-3)	1000 µmol/mmol	Hippuric acid	Creatinine in urine	*
	1600 mg/g	Hippuric acid	Creatinine in urine	*

* - For sampling details, please see the source document.

Finland. HTP-arvot, App 2., Biological Limit Values, (BRA/BGV) , Social Affairs and Ministry of Health

Components	Value	Determinant	Specimen	Sampling Time
Toluene (CAS 108-88-3)	500 nmol/l	Toluene concentration	Blood	*

* - For sampling details, please see the source document.

France. Biological indicators of exposure (IBE) (National Institute for Research and Security (INRS, ND 2065)

Components	Value	Determinant	Specimen	Sampling Time
Toluene (CAS 108-88-3)	2500 mg/g	Acide hippurique	Creatinine in urine	*
	2500 mg/g	Acide hippurique	Creatinine in urine	*
	1 mg/l	Toluène	Venous blood	*

* - For sampling details, please see the source document.

Germany. TRGS 903, BAT List (Biological Limit Values)

Components	Value	Determinant	Specimen	Sampling Time
2-Butoxyethyl acetate (CAS 112-07-2)	100 mg/l	Butoxyessigsäure	Urine	*
Toluene (CAS 108-88-3)	600 µg/l	Toluol	Blood	*
	1.5 mg/l	o-Kresol (nach Hydrolyse)	Urine	*

* - For sampling details, please see the source document.

Hungary. Chemical Safety at Workplace Ordinance Joint Decree No. 25/2000 (Annex 2): Permissible limit values of biological exposure (effect) indices

Components	Value	Determinant	Specimen	Sampling Time
Toluene (CAS 108-88-3)	1 mg/g	o-crezol	Creatinine in urine	*
	1.05 µmol/mmol	o-crezol	Creatinine in urine	*

* - For sampling details, please see the source document.

Slovakia. BLVs (Biological Limit Value). Regulation no. 355/2006 concerning protection of workers exposed to chemical agents, Annex 2

Components	Value	Determinant	Specimen	Sampling Time
Toluene (CAS 108-88-3)	600 µg/l	Toluene	Blood	*
	1600 mg/g	Hippuric acid	Creatinine in urine	*
	1.03 mg/g	o-Cresol	Creatinine in urine	*

Slovakia. BLVs (Biological Limit Value). Regulation no. 355/2006 concerning protection of workers exposed to chemical agents, Annex 2

Components	Value	Determinant	Specimen	Sampling Time
	2401 mg/l	Hippuric acid	Urine	*
	1.5 mg/l	o-Cresol	Urine	*

* - For sampling details, please see the source document.

Spain. Biological Limit Values (VLBs), Occupational Exposure Limits for Chemical Agents, Table 4

Components	Value	Determinant	Specimen	Sampling Time
Toluene (CAS 108-88-3)	1.6 g/g	Ácido hipúrico	Creatinine in urine	*
	0.5 mg/l	o-Cresol	Urine	*
	0.05 mg/l	Tolueno	Blood	*

* - For sampling details, please see the source document.

Switzerland. BAT-Werte (Biological Limit Values in the Workplace as per SUVA)

Components	Value	Determinant	Specimen	Sampling Time
2-Butoxyethyl acetate (CAS 112-07-2)	200 mg/l	Gesamt-Butoxyessigsäure	Urine	*
	100 mg/l	Butoxyessigsäure	Urine	*
Toluene (CAS 108-88-3)	600 µg/l	Toluol	Blood	*
	2 g/g	Hippursäure	Creatinine in urine	*
	0.5 mg/l	o-Kresol	Urine	*

* - For sampling details, please see the source document.

Recommended monitoring procedures Not available.

Derived no effect levels (DNELs)

Components	Type	Route	Value	Form
2-butoxyethyl acetate (CAS 112-07-2)	Workers	Dermal	169 mg/kg	Systemic long term
		Dermal	120 mg/kg	Systemic acute short term
		Inhalation	333 mg/m3	Local acute short term
		Inhalation	133 mg/m3	Systemic long term
2-methoxy-1-methylethyl acetate (CAS 108-65-6)	Workers	Dermal	796 mg/kg	Systemic long term
		Inhalation	275 mg/m3	Systemic long term

Predicted no effect concentrations (PNECs)

Components	Type	Route	Value	Form
2-butoxyethyl acetate (CAS 112-07-2)	Not applicable	Freshwater	0.304 mg/l	
		Intermittent	0.56 mg/l	Releases
		Marine water	0.0304 mg/l	
		Secondary	0.06 g/kg	Food poisoning
		Sediment	2.03 mg/kg	Freshwater
		Sediment	0.203 mg/kg	Marine water
		Soil	0.42 mg/kg	
		STP	90 mg/l	Sewage Treatment Plant
		Freshwater	0.635 mg/l	
2-methoxy-1-methylethyl acetate (CAS 108-65-6)	Not applicable	Intermittent	6.35 mg/l	Releases
		Marine water	0.0635 mg/l	
		Sediment	3.29 mg/kg	Freshwater
		Sediment	0.329 mg/kg	Marine water
		Soil	0.29 mg/kg	
		STP	100 mg/l	Sewage Treatment Plant
		Freshwater	100 mg/l	

Exposure guidelines None established.

EU Exposure Limit Values: Skin designation

2-Butoxyethyl acetate (CAS 112-07-2)	Can be absorbed through the skin.
Propylene glycol monomethyl ether acetate (CAS Proprietary)	Can be absorbed through the skin.
Toluene (CAS 108-88-3)	Can be absorbed through the skin.

**Slovenia. OELs. Regulations concerning protection of workers against risks due to exposure to chemicals while working
(Official Gazette of the Republic of Slovenia)**

2-Butoxyethyl acetate (CAS 112-07-2)	Can be absorbed through the skin.
Propylene glycol monomethyl ether acetate (CAS Proprietary)	Can be absorbed through the skin.
Toluene (CAS 108-88-3)	Can be absorbed through the skin.

8.2. Exposure controls

Appropriate engineering controls	Use in a well ventilated area. Ensure adequate ventilation, especially in confined areas. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Additional area ventilation or local exhaust may be required to maintain air concentrations below recommended exposure limits.
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Individual protection measures, such as personal protective equipment

General information	Not available.
Eye/face protection	Avoid contact with eyes Wear safety glasses; chemical goggles (if splashing is possible).
Skin protection	
- Hand protection	Not available.
- Other	Use personal protective equipment to minimize exposure to skin and eye.
Respiratory protection	Not available.
Thermal hazards	Not available.
Hygiene measures	Keep away from food and drink. Wash hands before breaks and at the end of workday.
Environmental exposure controls	Not available.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state	Not available.
Form	Not available.
Color	Yellow
Odor	Not available.
Odor threshold	Not available.
pH	5.8 - 6.2 Metler Toledo pH Meter. Temperature 25°C
Melting point/freezing point	Not available.
Initial boiling point and boiling range	325.4 °F (163 °C) Estimated
Flash point	150.8 °F (66.0 °C) Setaflash Closed Tester
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.

Upper/lower flammability or explosive limits

Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Vapor pressure	Not determined.
Vapor density	Not available.
Solubility(ies)	
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	10.2 - 11.2 cP Brookfield Viscometer (± 0.5) Temperature 22°C. Spindle # 18 (S18) RPM 100. Wait approx 10 min to take the reading.
Explosive properties	Not available.
Oxidizing properties	Not available.

9.2. Other information

VOC	< 901 g/L
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SECTION 10: Stability and reactivity

10.1. Reactivity	Not available.
10.2. Chemical stability	Stable at normal conditions
10.3. Possibility of hazardous reactions	Will not occur.
10.4. Conditions to avoid	Not available.
10.5. Incompatible materials	Oxidizing agents. Strong acids and strong alkalis.
10.6. Hazardous decomposition products	None known.

SECTION 11: Toxicological information

General information Not available.

Information on likely routes of exposure

Inhalation	Harmful if inhaled.
Skin contact	Contact with skin may result in mild irritation.
Eye contact	Contact with eyes may result in mild irritation.
Ingestion	Ingestion is not a likely route of exposure.

Symptoms Not available.

11.1. Information on toxicological effects

Acute toxicity	Harmful if inhaled.
Skin corrosion/irritation	Based on available data, the classification criteria are not met.
Serious eye damage/eye irritation	Based on available data, the classification criteria are not met.
Respiratory sensitization	Based on available data, the classification criteria are not met.
Skin sensitization	Based on available data, the classification criteria are not met.
Germ cell mutagenicity	Based on available data, the classification criteria are not met.
Carcinogenicity	Based on available data, the classification criteria are not met.

Hungary. 26/2000 EüM Ordinance on protection against and preventing risk relating to exposure to carcinogens at work (as amended)

Not listed.

IARC Monographs. Overall Evaluation of Carcinogenicity

Toluene (CAS 108-88-3)

3 Not classifiable as to carcinogenicity to humans.

Reproductive toxicity	Based on available data, the classification criteria are not met.
Specific target organ toxicity - single exposure	May cause drowsiness or dizziness.
Specific target organ toxicity - repeated exposure	Based on available data, the classification criteria are not met.
Aspiration hazard	Based on available data, the classification criteria are not met.
Mixture versus substance information	Not available.
Other information	Complete toxicity data are not available for this specific formulation.

SECTION 12: Ecological information

12.1. Toxicity	No toxicity data noted for the ingredient(s).
12.2. Persistence and degradability	Not available.
12.3. Bioaccumulative potential	Not available.
Partition coefficient n-octanol/water (log Kow)	
Toluene	2.73
Bioconcentration factor (BCF)	Not available.
12.4. Mobility in soil	Not available.
12.5. Results of PBT and vPvB assessment	Not a PBT or vPvB substance or mixture.
12.6. Other adverse effects	Not available.

12.7. Additional information

Estonia Dangerous substances in groundwater Data

Toluene (CAS 108-88-3)

TOLUENE 0.5 UG/L
TOLUENE 50 UG/L

Estonia Dangerous substances in soil Data

Toluene (CAS 108-88-3)

TOLUENE 0.1 MG/KG
TOLUENE 100 MG/KG
TOLUENE 3 MG/KG

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Residual waste	Not available.
Contaminated packaging	Not available.
EU waste code	Not available.
Disposal methods/information	Do not dispose of together with general office waste. Do not allow this material to drain into sewers/water supplies. Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations. Ensure collection and disposal with an appropriately licensed waste contractor.

SECTION 14: Transport information

DOT

UN number	NA1993
UN proper shipping name	Combustible liquid n.o.s. (2-methoxy-1-methylethyl acetate) -Not regulated in quantities less than 119 gallons
Transport hazard class(es)	
Class	Combustible
Subsidiary risk	-
Packing group	III
Special precautions for user	Not available.

DOT Supplemental Information DOT Classification only applies to shipments within the US and Puerto Rico.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

ADR

Not regulated as dangerous goods.

SECTION 15: Regulatory information

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

EU regulations

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I and II, as amended

Not listed.

Regulation (EC) No. 850/2004 On persistent organic pollutants, Annex I as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex V as amended

Not listed.

Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry, as amended

Toluene (CAS 108-88-3)

Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA

Not listed.

Authorizations

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended

Not listed.

Restrictions on use

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended

Toluene (CAS 108-88-3)

Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work, as amended

Not listed.

Other EU regulations

Directive 2012/18/EU on major accident hazards involving dangerous substances, as amended

Propylene glycol monomethyl ether acetate (CAS Proprietary)

Toluene (CAS 108-88-3)

Other regulations

All chemical substances in this HP product have been notified or are exempt from notification under chemical substances notification laws in the following countries: US (TSCA), EU (EINECS/ELINCS), Switzerland, Canada (DSL/NDSL), Australia, Japan, Philippines, South Korea, New Zealand, and China.

Other information

This Safety Data Sheet complies with the requirements of Regulation (EU) 2015/830. Classification according to Regulation (EC) No 1272/2008 as amended.

Specific Provisions: Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC (in the amended version OJ L 396 from 29.05.2007 page 3 with further rectifications and amendments).

National regulations

Not available.

15.2. Chemical safety assessment

See attached SUMI or GEIS document, if applicable.

SECTION 16: Other information

References

Regulation (EC) No. 1907/2006 of December 18, 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH) and establishing a European Chemicals Agency (REACH).

Regulation (EU) 2015/830 of May 28, 2015 amending Regulation (EC) No. 1907/2006.

Regulation (EC) No. 1272/2008 of December 16, 2008 on classification, labeling and packaging of substances and mixtures, and amendments (CLP).

Information on evaluation method leading to the classification of mixture

The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.

Full text of any H-statements not written out in full under Sections 2 to 15

H225 Highly flammable liquid and vapor.
H226 Flammable liquid and vapor.
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H332 Harmful if inhaled.
H336 May cause drowsiness or dizziness.
H361d Suspected of damaging the unborn child.
H373 May cause damage to organs through prolonged or repeated exposure.

Revision information

3. Composition / Information on Ingredients: Disclosure Overrides

Training information

Follow training instructions when handling this material.

Disclaimer

This Safety Data Sheet document is provided without charge to customers of HP. Data is the most current known to HP at the time of preparation of this document and is believed to be accurate. It should not be construed as guaranteeing specific properties of the products as described or suitability for a particular application. This document was prepared to the requirements of the jurisdiction specified in Section 1 above and may not meet regulatory requirements in other countries.

This safety data sheet is meant to convey information about HP inks (toners) provided in HP Original ink (toner) supplies. If our Safety Data Sheet has been provided to you with a refilled, remanufactured, compatible or other non-HP Original supply please be aware that the information contained herein was not meant to convey information about such products and there could be considerable differences from information in this document and the safety information for the product you purchased. Please contact the seller of the refilled, remanufactured or compatible supplies for applicable information, including information on personal protective equipment, exposure risks and safe handling guidance. HP does not accept refilled, remanufactured or compatible supplies in our recycling programs.

Explanation of abbreviations

ACGIH	American Conference of Governmental Industrial Hygienists
CAS	Chemical Abstracts Service
CERCLA	Comprehensive Environmental Response Compensation and Liability Act
CFR	Code of Federal Regulations
COC	Cleveland Open Cup
DOT	Department of Transportation
EPCRA	Emergency Planning and Community Right-to-Know Act (aka SARA)
IARC	International Agency for Research on Cancer
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicology Program
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
RCRA	Resource Conservation and Recovery Act
REC	Recommended
REL	Recommended Exposure Limit
SARA	Superfund Amendments and Reauthorization Act of 1986
STEL	Short-Term Exposure Limit
TCLP	Toxicity Characteristics Leaching Procedure
TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act
VOC	Volatile Organic Compounds

Safe Use of Mixture Information (SUMI)

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Solvent based inks: SB01 *English*

Disclaimer


This SUMI is a generic document for communicating conditions of safe use of a product in response to the REACH obligation. This document relates only to conditions of safe use and is not specific to a product. By adding this SUMI to a specific product SDS, the importer/formulator declares that the mixture can safely be used following the instructions below. Following occupational health legislation, the employer of workers remains responsible for communicating relevant use information to employees. When developing workplace instructions for employees, SUMI Sheets should always be considered in combination with the SDS and the label of the product. Derived No Effect Levels (DNEL) and Predicted No Effect Concentration (PNEC) values of substances derived from the Chemical Safety Assessment (CSA) will be given in section 8 of the SDS.

The REACH registration number(s), where applicable, completes an extended product SDS.

Operational conditions

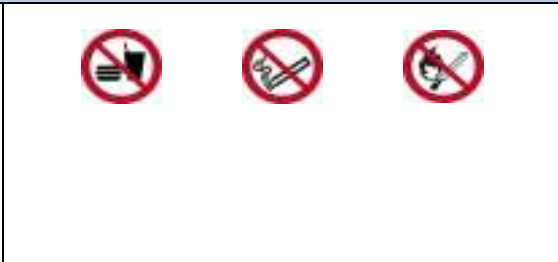
Maximum duration	Up to 8 hours per day
Frequency of exposure	< 240 days per year
Process conditions	<p>Covers use at ambient temperatures.</p> <p>Use of an integrated local exhaust ventilation is required in drying zone.</p> <p>Adequate ventilation should be provide for the areas where printing is performed. ANSI/ASHRAE Standard 62.1-2013 provides guidelines to ensure acceptable air quality in the workspace.</p> <p>Use explosion proof electrical equipment.</p> <p>Keep emissions below the occupational exposure limits of the ingredients specified in section 8 of the SDS.</p> <p>Avoid direct contact.</p> <p>Regular cleaning of equipment and work area.</p> <p>Supervision in place to check that Risk Management Measures are in place are being correctly used and Operational Conditions followed.</p>

Risk management measures

<p>Conditions and measures related to Personal Protection Equipment, hygiene and health evaluation</p>	<p>Wear safety glasses with side shields (or goggles), if splashing is possible.</p> <p>Wear appropriate chemical resistant gloves: see section 8 of the SDS.</p> <p>Wear appropriate chemical resistant clothing.</p> <p>In case of inadequate ventilation wear respiratory protection.</p> <p>Eye wash fountain and emergency showers are recommended.</p> <p>Avoid breathing mist/vapours.</p> <p>Avoid contact with skin, eyes and clothing.</p> <p>Training of workers in relation to proper use and maintenance of all Personal protection equipment (PPE) must be ensured.</p>
	

Good practice advice

Use personal protective equipment as required.
 Wash hands before breaks and after work.
 Keep good industrial hygiene and safety practice.
 Use only with adequate ventilation.
 Do no eat, drink or smoke when using this product.
 Wash contaminated clothing before reuse.
 Keep away from heat/sparks/open flames/hot surfaces. — No smoking.
 Store in a well-ventilated place.
 Keep container tightly closed.
 Store at room temperature.



Environmental measures

Do not allow this material to drain into sewers/water supplies.
 Dispose of waste material according to Local, State, Federal and Provincial Environmental Regulations.
 Ensure collection and disposal with appropriately licenced waste contractor.

Use descriptors

IS-Use at industrial sites
PW-Widespread use by professional workers
SU7-Printing and reproduction media
PC18-Inks and Toners
<p>PROC1-Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions.</p> <p>PROC2-Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions</p> <p>PROC3- Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment condition</p> <p>PROC8a-Transfer of substance or mixture (charging and discharging) at non-dedicated facilities</p> <p>PROC8b-Transfer of substance or mixture (charging and discharging) at dedicated facilities</p>
ERC5-Use at industrial site leading to inclusion into/onto article
ERC8c-Widespread use leading to inclusion into/onto article (indoor)

Additional information on product composition

In section 2 of the SDS as well as on the label, the classification of the mixture is provided.
 The classification of the mixture is based on the individual ingredients and their concentration within the mixture.
 All ingredients contributing to the classification are stated in Section 3 of the SDS.
 Relevant limit values of ingredients on which the exposure assessment is based, are listed in section 8 of the SDS.
 The product may contain sensitizing ingredients that may cause allergic reaction to certain people.
 Section 2 of the SDS states these ingredients where applicable.