

# SAFETY DATA SHEET

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

1.1. Product identifier	
Trade name or designation of the mixture	HP Color LaserJet CF381A-AC Cyan Print Cartridge
Registration number	-
Synonyms	None.
Issue date	19-Nov-2014
Version number	04
Revision date	18-Sep-2015
Supersedes date	22-Jun-2015
1.2. Relevant identified uses o	f the substance or mixture and uses advised against
Identified uses	This product is a cyan toner preparation that is used in HP Color LaserJet Pro MFP M476 series printers.
Uses advised against	None known.
Company identification	HP Inc UK Limited Cain Rd., Amen Corner, Pt 2nd Floor (Bldg BRA03) Bracknell, United Kingdom RG12 1HN Telephone 44 (0) 879 013 0790
	HP health effects line (Toll-free within the US) 1-800-457-4209 (Direct) 1-760-710-0048 HP Customer Care Line (Toll-free within the US) 1-800-474-6836 (Direct) 1-208-323-2551 Email: hpcustomer.inquiries@hp.com Poison Information Center 0207771 5307

## **SECTION 2: Hazards identification**

### 2.1. Classification of the substance or mixture

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

This mixture does not meet the criteria for classification according to Regulation (EC) 1272/2008 as amended.

#### 2.2. Label elements

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

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Contains:	Amorphous silica, Pigment, Styrene acrylate copolymer, Wax
Hazard pictograms	None.
Signal word	None.
Hazard statements	The mixture does not meet the criteria for classification.
Precautionary statements	
Prevention	Not available.
Response	Not available.
Storage	Not available.
Disposal	Not available.
Supplemental label information	None.
2.3. Other hazards	None of the other ingredients in this preparation are classified as carcinogens according to ACGIH, EU, IARC, MAK, NTP or OSHA. This preparation contains no component classified as Persistent, Bioaccumulative, and Toxic (PBT) or very Persistent and very Bioaccumulative (vPvB) as defined under Regulation (EC) 1907/2006.

## **SECTION 3: Composition/information on ingredients**

#### 3.2. Mixtures

General i	information
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Chemical name	%	CAS-No. / EC No.	REACH Registration No.	Index No.	Notes
Styrene acrylate copolymer	<85	Trade Secret	-	-	
Classification:					
Pigment	<10	Trade Secret	-	-	
Classification: -					
Wax	<10	Trade Secret	-	-	
Classification:					
Amorphous silica	<3	7631-86-9 231-545-4	01-2119379499-16-xxxx	-	
Classification: -					

# **SECTION 4: First aid measures**

General information

4.1. Description of first aid measures Inhalation Move person to fresh air immediately. If irritation persists, consult a physician. Skin contact Wash affected areas thoroughly with mild soap and water. Get medical attention if irritation develops or persists. Do not rub eyes. Immediately flush with large amounts of clean, warm water (low pressure) for at Eye contact least 15 minutes or until particles are removed. If irritation persists, consult a physician. Ingestion Rinse mouth out with water. Drink one to two glasses of water. If symptoms occur, consult a physician. 4.2. Most important Not available. symptoms and effects, both acute and delayed 4.3. Indication of any Not available. immediate medical attention and special treatment needed

## **SECTION 5: Firefighting measures**

General fire hazards	Not available.
5.1. Extinguishing media Suitable extinguishing media	CO2, water, or dry chemical
Unsuitable extinguishing media	None known.
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	If fire occurs in the printer, treat as an electrical fire.
Specific methods	None established.

Not available.

# **SECTION 6: Accidental release measures**

6.1. Personal precautions, prot	ective equipment and emergency procedures
For non-emergency personnel	Minimize dust generation and accumulation.
For emergency responders	Not available.
6.2. Environmental precautions	Do not flush into surface water or sanitary sewer system. See also section 13 Disposal considerations.
6.3. Methods and material for containment and cleaning up	Not available.
6.4. Reference to other sections	Not available.
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## **SECTION 7: Handling and storage**

7.1. Precautions for safe handling	Keep out of the reach of children. Avoid inhalation of dust and contact with skin and eyes. Use with adequate ventilation. Keep away from excessive heat, sparks, and open flames.
7.2. Conditions for safe storage, including any incompatibilities	Keep out of the reach of children. Keep tightly closed and dry. Store at room temperature. Store away from strong oxidizers.
7.3. Specific end use(s)	Not available.

# **SECTION 8: Exposure controls/personal protection**

8.1. Control parameters Occupational exposure limits Biological limit values Recommended monitoring procedures Derived no-effect level (DNEL)	No exposure limits noted for ingredient(s). No biological exposure limits noted for the ingredient(s). Not available. Not available.
Predicted no effect concentrations (PNECs)	Not available.
Exposure guidelines	USA OSHA (TWA/PEL): 15 mg/m3 (Total Dust), 5 mg/m3 (Respirable Fraction)
	ACGIH (TWA/TLV): 10 mg/m3 (Inhalable Particulate), 3 mg/m3 (Respirable Particulate)
	Amorphous silica: USA OSHA (TWA/PEL): 20 mppcf 80 (mg/m3)/%SiO2, ACGIH (TWA/TLV): 10 mg/m3
	TRGS 900 (Luftgrenzwert) - 10 mg/m3 (Einatembare partikel), 3 mg/m3 (Alveolengängige fraktion)
	UK WEL: 10 mg/m3 (Respirable Dust), 5 mg/m3 (Inhalable Dust)
8.2. Exposure controls	
Appropriate engineering controls	Use in a well ventilated area.
Individual protection measure	s, such as personal protective equipment
General information	No personal respiratory protective equipment required under normal conditions of use.
Eye/face protection	Not available.
Skin protection	
- Hand protection	Not available.
- Other	Not available.
Respiratory protection	Not available.
Thermal hazards	Not available.
Hygiene measures	Not available.
Environmental exposure controls	Not available.

# **SECTION 9: Physical and chemical properties**

## 9.1. Information on basic physical and chemical properties

Appearance	Fine powder	
Physical state	Solid.	

Color	Cyan
Odor	Slight plastic odor
Odor threshold	Not available.
pН	Not applicable
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not applicable
Flash point	Not applicable
Evaporation rate	Not applicable
Flammability (solid, gas)	Not available.
Upper/lower flammability or e	xplosive limits
Flammability limit - lower (%)	Not flammable
Flammability limit - upper (%)	Not available.
Vapor pressure	Not applicable
Solubility(ies)	
Solubility (water)	Negligible in water. Partially soluble in toluene and xylene.
Solubility (other)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not applicable
Decomposition temperature	> 392 °F (> 200 °C)
Viscosity	Not applicable
Explosive properties	Not available.
Oxidizing properties	No information available.
9.2. Other information	
Percent volatile	0 % estimated
Softening point	176 - 266 °F (80 - 130 °C)

# SECTION 10: Stability and reactivity

10.1. Reactivity	Not available.
10.2. Chemical stability	Stable under normal storage conditions.
10.3. Possibility of hazardous reactions	Will not occur.
10.4. Conditions to avoid	Imaging Drum: Exposure to light
10.5. Incompatible materials	Strong oxidizers
•	Strong Unitizers

# SECTION 11: Toxicological information

General informationNot available.11.1. Information on toxicological effects		
Acute toxicity	Based on available data, the classification criteria are not met.	
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	Negative, does not indicate mutagenic potential (Ames Test: Salmonella typhimurium) Based on available data, the classification criteria are not met.	
Carcinogenicity	Based on available data, the classification criteria are not met.	
Reproductive toxicity	Based on available data, the classification criteria are not met.	
Specific target organ toxicity - single exposure	Based on available data, the classification criteria are not met.	

n-octanol/water (log Kow) Bioconcentration factor (BCF) Not available. 12.4. Mobility in soil Not available. 12.5. Results of PBT Not a PBT or vPvB substance or mixture. and vPvB assessment 12.6. Other adverse effects Not available. SECTION 13: Disposal considerations 13.1. Waste treatment methods Residual waste Not available. Contaminated packaging Not available. EU waste code Not available. Disposal Do not shred toner cartridge, unless dust-explosion prevention measures are taken. Finely dispersed particles may form explosive mixtures in air. Dispose of in compliance with federal, and local regulations. HP's Planet Partners (trademark) supplies recycling program enables simple, convenient recycle. SECTION 14: Transport information	- repeated exposure			
Amorphous silica (CAS 7631-86-9) Acute Orai LD50 Mouse Rat > 22500 mg/kg Not available. Information Complete toxicity data are not available for this specific formulation Refer to Section 2 for potential health effects and Section 4 for first aid measures. SECTION 12: Ecological information 2.1. Toxicity LC50: > 100 mg/l, Fish, 96.00 Hours Produc Species Test Results CF381A-AC Aquatic Fish LC50 Fish LC50 Fish > 100 mg/l, 96 Hours 12.2. Persistence and degradability 12.3. Bioaccumulative Not available. Potential Partition coefficient Not available. Potential Partition coefficient Not available. 12.4. Mobility in soil Not available. 12.5. Results FISH Not available. SECTION 13: Disposal considerations 13.1. Waste treatment methods Residual waste Not available. Disposal Contaminated packaging Not available. Disposal Do not shred toner cartridge, unless dust-explosion prevention measures are taken. Finely dispersed particles may form explosive mixtures in air. Dispose of in compliance with federal, and LC91 Pis Planet Partners (trademark) supplies recycling program enables simple, convenient recycl Pib Porjanal inket and Lasert supplies. FU waste code Not available. Not available. Not available. SECTION 14: Transport information	-	Based on available data, the classification criteria are not met.		
Acute Oral LD50       Mouse       > 15000 mg/kg         Rat       > 22500 mg/kg         Mixture versus substance information       Not available.         Other information       Complete toxicity data are not available for this specific formulation Refer to Section 2 for potential health effects and Section 4 for first aid measures.         SECTION 12: Ecological information       Complete toxicity data are not available for this specific formulation Refer to Section 2 for potential health effects and Section 4 for first aid measures.         SECTION 12: Ecological information       Cost > 100 mg/l, Fish, 96.00 Hours         Product       Species       Test Results         CF381A-AC       Aquatic       Not available.         Aquatic       Not available.       Not available.         Fish       LC50       Fish       > 100 mg/l, 96 Hours         12.3. Bioaccumulative potential       Not available.       Not available.         Partition coefficient noctanol/water (log Kow)       Not available.       Image: Section 1 for the available.         12.4. Mobility in soil       Not available.       Image: Section 2 for vPvB substance or mixture.         13.6. Other adverse effects       Not available.       Image: Section 2 for more policy emixtures in air. Dispose of in compliance with federal, and local regulations.         13.1. Waste treatment methods       Not available.       Image: Section 2 for mo		-	5	Test Results
Oral       Nouse       > 15000 mg/kg         Rat       > 22500 mg/kg         Mixture versus substance       Not available.         information       Complete toxicity data are not available for this specific formulation Refer to Section 2 for potential health effects and Section 4 for first aid measures.         SECTION 12: Ecological information       Econplete toxicity data are not available for this specific formulation Refer to Section 2 for potential health effects and Section 4 for first aid measures.         Finduct       Species       Test Results         CF38LAAC       Aquatic       Fish       LC50         Fish       LC50       Fish       > 100 mg/l, 96 Hours         12.2. Persistence and degradability       Not available.       -         12.3. Bioaccumulative potential       Not available.       -         Partition coefficient n-octanol/water (log Kow)       Not available.       -         12.4. Mobility in soil       Not available.       -         12.5. Results of PBT and VPM assessment       Not available.       -         12.6. Other adverse effects       Not available.       -         13.1. Waste treatment methods/ Eu waste code       Not available.       -         13.1. Waste treatment methods       Eu waste code       Not available.         EU waste code       Not available.				
LD50 Mouse > 15000 mg/kg Rat > 22500 mg/kg Mixture versus substance information Complete toxicity data are not available for this specific formulation Refer to Section 2 for potential health effects and Section 4 for first aid measures. SECTION 12: Ecological information 12.1. Toxicity LC50: > 100 mg/l, Fish, 96.00 Hours Product <u>Species Test Results</u> CF381A-AC Aquatic Fish LC50 Fish > 100 mg/l, 96 Hours 12.2. Persistence and Not available. degradability 12.3. Bioaccumulative Not available. degradability 12.3. Bioaccumulative Not available. Hor available. 12.4. Mobility in soil Not available. 12.5. Results of PBT Not a vailable. 12.6. Other adverse effects Not available. 12.6. Other adverse effects Not available. 13.6. Other adverse effects Not available. 13.1. Waste treatment methods Residual waste Not available. EV waste code Not available. FU waste code Not available. 14.6. Other adverse effects Not available. 15.7. Results of PBT Not available. 15.8. Kest Section 13: Disposal considerations 15.1. Waste freatment methods Residual waste Not available. EV waste code Not available. FU waste code Not available. EV waste code Not available. FU waste code Not available. EV mate code Not available				
Rat       > 22500 mg/kg         Mixture versus substance information       Not available.         Other information       Complete toxicity data are not available for this specific formulation Refer to Section 2 for potential health effects and Section 4 for first aid measures.         SECTION 12: Ecological information       Information         12.1. Toxicity       LC50: > 100 mg/l, Fish, 96.00 Hours         Product       Species       Test Results         CF381A-AC       Aquatic         Aquatic       Fish       LC50         Fish       LC50       Fish       > 100 mg/l, 96 Hours         12.2. Persistence and degradability       Not available.       -         12.3. Bioaccumulative potential       Not available.       -         Partition coefficient n-octanol/water (log Kow)       Not available.       -         12.4. Mobility in soil       Not available.       -         12.5. Results of PBT and VPM assessment       Not available.       -         12.6. Other adverse effects       Not available.       -         13.1. Waste treatment methods/ EU waste code		Mouso		> 15000 mg/kg
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Product         Species         Test Results           CF381A-AC         Aquatic         Fish         LC50         Fish         > 100 mg/l, 96 Hours           12.2. Persistence and degradability         Not available.         > 100 mg/l, 96 Hours            12.3. Bioaccumulative potential         Not available.         > 100 mg/l, 96 Hours            Partition coefficient nocofficient         Not available.         > 100 mg/l, 96 Hours            Bioconcentration factor (BCF)         Not available.         > 100 mg/l, 96 Hours            12.4. Mobility in soil         Not available.         > 100 mg/l, 96 Hours            12.4. Mobility in soil         Not available.         > 100 mg/l, 96 Hours            12.5. Results of PBT         Not available.         > 100 mg/l, 96 Hours            12.6. Other adverse effects         Not available.         > 100 mg/l, 96 Hours            13.1. Waste treatment methods         SECTION 13: Disposal considerations         > 13.1.          > 100 not shred toner cartridge, unless dust-explosion prevention measures are taken. Finely dispersed particles may form explosive mixtures in air. Dispose of in compliance with federal, and local regulations.           Disposal         Do not shred toner cartridge, unless dust-explosion prevention measures are taken. Finely dispersed particles may	SECTION 12: Ecological	informati	ion	
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Aquatic Fish       LC50       Fish       > 100 mg/l, 96 Hours         12.2. Persistence and degradability       Not available.       >         12.3. Bioaccumulative potential       Not available.       >         Partition coefficient n-octanol/water (log Kow)       Not available.       >         Bioconcentration factor (BCF)       Not available.       >         12.4. Mobility in soil       Not available.       >         12.5. Results of PBT and vPvB assessment       Not a vailable.       >         12.6. Other adverse effects       Not available.       >         SECTION 13: Disposal considerations        >         13.1. Waste treatment methods       Not available.       >         EU waste code       Not available.       >         Disposal       Do not shred toner cartridge, unless dust-explosion prevention measures are taken. Finely dispersed particles may form explosive mixtures in air. Dispose of in compliance with federal, and local regulations.         HP's Planet Partners (trademark) supplies recycling program enables simple, convenient recycle HP original inkjet and LaserJet supplies. For more information and to determine if this servic available in your location, please visit http://www.hp.com/recycle.         SECTION 14: Transport information	Product		Species	Test Results
Fish       LC50       Fish       > 100 mg/l, 96 Hours         12.2. Persistence and degradability       Not available.       Not available.         12.3. Bioaccumulative potential       Not available.       Not available.         Partition coefficient n-octanol/water (log Kow)       Not available.       Not available.         Bioconcentration factor (BCF)       Not available.       Not available.         12.4. Mobility in soil       Not available.       Not available.         12.5. Results of PBT and vPvB assessment       Not available.       Not a PBT or vPvB substance or mixture.         12.6. Other adverse effects       Not available.       SECTION 13: Disposal considerations         13.1. Waste treatment methods       Not available.       Not available.         Contaminated packaging       Not available.       Do not shred toner cartridge, unless dust-explosion prevention measures are taken. Finely dispersed particles may form explosive mixtures in air. Dispose of in compliance with federal, and local regulations.         HP's Planet Partners (trademark) supplies recycling program enables simple, convenient recyc HP original inkjet and LaserJet supplies. For more information and to determine if this servic available in your location, please visit http://www.hp.com/recycle.         SECTION 14: Transport information       Section please visit http://www.hp.com/recycle.	CF381A-AC			
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Contaminated packaging       Not available.         EU waste code       Not available.         Disposal methods/information       Do not shred toner cartridge, unless dust-explosion prevention measures are taken. Finely dispersed particles may form explosive mixtures in air. Dispose of in compliance with federal, and local regulations.         HP's Planet Partners (trademark) supplies recycling program enables simple, convenient recycle.         SECTION 14: Transport information	12.6. Other adverse effects	Not availa	ble.	
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Residual waste       Not available.         Contaminated packaging       Not available.         EU waste code       Not available.         Disposal       Do not shred toner cartridge, unless dust-explosion prevention measures are taken. Finely dispersed particles may form explosive mixtures in air. Dispose of in compliance with federal, and local regulations.         HP's Planet Partners (trademark) supplies recycling program enables simple, convenient recycles.         SECTION 14: Transport information	-			
Contaminated packaging       Not available.         EU waste code       Not available.         Disposal methods/information       Do not shred toner cartridge, unless dust-explosion prevention measures are taken. Finely dispersed particles may form explosive mixtures in air. Dispose of in compliance with federal, and local regulations.         HP's Planet Partners (trademark) supplies recycling program enables simple, convenient recycle.         SECTION 14: Transport information			ble.	
EU waste code       Not available.         Disposal methods/information       Do not shred toner cartridge, unless dust-explosion prevention measures are taken. Finely dispersed particles may form explosive mixtures in air. Dispose of in compliance with federal, and local regulations.         HP's Planet Partners (trademark) supplies recycling program enables simple, convenient recycles.         HP's regulations.         HP's regulations.         HP original inkjet and LaserJet supplies.         For more information and to determine if this service available in your location, please visit http://www.hp.com/recycle.         SECTION 14: Transport information				
methods/information       dispersed particles may form explosive mixtures in air. Dispose of in compliance with federal, and local regulations.         HP's Planet Partners (trademark) supplies recycling program enables simple, convenient recycles.         HP original inkjet and LaserJet supplies.         For more information and to determine if this service available in your location, please visit http://www.hp.com/recycle.         SECTION 14: Transport information				
HP original inkjet and LaserJet supplies. For more information and to determine if this servic available in your location, please visit http://www.hp.com/recycle. SECTION 14: Transport information		dispersed particles may form explosive mixtures in air. Dispose of in compliance with federal, state		
·		HP origina	I inkjet and LaserJet supplie	s. For more information and to determine if this service is
	SECTION 14: Transport i	nformati	on	
Further informationNot a dangerous good under DOT, IATA, ADR, IMDG, or RID.	Further information	Not a dan	gerous good under DOT, IA	TA, ADR, IMDG, or RID.

#### **EU regulations**

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I Not listed.

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex II Not listed.

**Regulation (EC) No. 850/2004 On persistent organic pollutants, Annex I as amended** Not listed.

assessment	
15.2. Chemical safety	Not available.
National regulations	Not available.
Other information	This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006.
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.
Not regulated.	
	n the protection of young people at work
Not regulated.	
	n the protection of the health and safety of workers from the risks related to chemical
Not regulated.	
-	Seveso II) on the control of major-accident hazards involving dangerous substances
Other EU regulations	
are breastfeeding Not regulated.	
	on the safety and health of pregnant workers and workers who have recently given birth or
Not listed. Directive 2004/37/EC mutagens at work	: on the protection of workers from the risks related to exposure to carcinogens and
Regulation (EC) No. 1 amended	907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as
Restrictions on use	
Not listed.	
	43/2011 Annex XIV Substances Subject to Authorization
Authorizations	
Regulation (EC) No. 1 Not listed.	907/2006, REACH Article 59(1) Candidate List as currently published by ECHA
Not listed. Regulation (EC) No. 1 Not listed.	66/2006 Annex II Pollutant Release and Transfer Registry
Not listed. Regulation (EC) No. 6	89/2008 concerning the export and import of dangerous chemicals, Annex V as amended
Not listed. Regulation (EC) No. 6 amended	89/2008 concerning the export and import of dangerous chemicals, Annex I, part 3 as
Not listed. Regulation (EC) No. 6 amended	89/2008 concerning the export and import of dangerous chemicals, Annex I, part 2 as
amended	

# **SECTION 16: Other information**

References Information on evaluation method leading to the classification of mixture	Not available. Not available.
Issue date	19-Nov-2014
<b>Revision information</b>	SECTION 16: Other information: Disclaimer
Training information	Not available.
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.

HP 11311 Chinden Boulevard Boise, ID 83714 USA
(Direct) 1-503-494-7199 (Toll-free within the US) 1-800-457-4209

## Explanation of abbreviations

American Conference of Governmental Industrial Hygienists
Chemical Abstracts Service
Comprehensive Environmental Response Compensation and Liability Act
Code of Federal Regulations
Cleveland Open Cup
Department of Transportation
Emergency Planning and Community Right-to-Know Act (aka SARA)
International Agency for Research on Cancer
National Institute for Occupational Safety and Health
National Toxicology Program
Occupational Safety and Health Administration
Permissible Exposure Limit
Resource Conservation and Recovery Act
Recommended
Recommended Exposure Limit
Superfund Amendments and Reauthorization Act of 1986
Short-Term Exposure Limit
Toxicity Characteristics Leaching Procedure
Threshold Limit Value
Toxic Substances Control Act
Volatile Organic Compounds
ot available.



# SAFETY DATA SHEET

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

1.1. Product identifier Trade name or	HP Color LaserJet CF382A-AC Yellow Print Cartridge
designation of the mixture	
Registration number	-
Synonyms	None.
Issue date	19-Nov-2014
Version number	04
Revision date	18-Sep-2015
Supersedes date	11-Jul-2015
1.2. Relevant identified uses o	f the substance or mixture and uses advised against
Identified uses	This product is a yellow toner preparation that is used in HP Color LaserJet Pro MFP M476 series printers.
Uses advised against	None known.
Company identification	HP Inc UK Limited Cain Rd., Amen Corner, Pt 2nd Floor (Bldg BRA03) Bracknell, United Kingdom RG12 1HN Telephone 44 (0) 879 013 0790
	HP health effects line (Toll-free within the US) 1-800-457-4209 (Direct) 1-760-710-0048 HP Customer Care Line (Toll-free within the US) 1-800-474-6836 (Direct) 1-208-323-2551 Email: hpcustomer.inquiries@hp.com Poison Information Center 0207771 5307

## **SECTION 2: Hazards identification**

### 2.1. Classification of the substance or mixture

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

This mixture does not meet the criteria for classification according to Regulation (EC) 1272/2008 as amended.

#### 2.2. Label elements

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

······································	
Contains:	Amorphous silica, Pigment, Styrene acrylate copolymer, Wax
Hazard pictograms	None.
Signal word	None.
Hazard statements	The mixture does not meet the criteria for classification.
Precautionary statements	
Prevention	Not available.
Response	Not available.
Storage	Not available.
Disposal	Not available.
Supplemental label information	None.
2.3. Other hazards	None of the other ingredients in this preparation are classified as carcinogens according to ACGIH, EU, IARC, MAK, NTP or OSHA. This preparation contains no component classified as Persistent, Bioaccumulative, and Toxic (PBT) or very Persistent and very Bioaccumulative (vPvB) as defined under Regulation (EC) 1907/2006.

## **SECTION 3: Composition/information on ingredients**

#### 3.2. Mixtures

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	Index No.	Notes
Styrene acrylate copolymer	<85	Trade Secret	-	-	
Classification: -					
Wax	<10	Trade Secret	-	-	
Classification: -					
Pigment	<5	Trade Secret	-	-	
Classification: -					
Amorphous silica	<3	7631-86-9 231-545-4	01-2119379499-16-xxxx	-	
Classification: -					

# **SECTION 4: First aid measures**

General information

4.1. Description of first aid measures Inhalation Move person to fresh air immediately. If irritation persists, consult a physician. Skin contact Wash affected areas thoroughly with mild soap and water. Get medical attention if irritation develops or persists. Do not rub eyes. Immediately flush with large amounts of clean, warm water (low pressure) for at Eye contact least 15 minutes or until particles are removed. If irritation persists, consult a physician. Ingestion Rinse mouth out with water. Drink one to two glasses of water. If symptoms occur, consult a physician. 4.2. Most important Not available. symptoms and effects, both acute and delayed 4.3. Indication of any Not available. immediate medical attention and special treatment needed

## **SECTION 5: Firefighting measures**

General fire hazards	Not available.
5.1. Extinguishing media Suitable extinguishing media	CO2, water, or dry chemical
Unsuitable extinguishing media	None known.
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	If fire occurs in the printer, treat as an electrical fire.
Specific methods	None established.

Not available.

# **SECTION 6: Accidental release measures**

6.1. Personal precautions, prot	ective equipment and emergency procedures
For non-emergency personnel	Minimize dust generation and accumulation.
For emergency responders	Not available.
6.2. Environmental precautions	Do not flush into surface water or sanitary sewer system. See also section 13 Disposal considerations.
6.3. Methods and material for containment and cleaning up	Not available.
6.4. Reference to other sections	Not available.

# **SECTION 7: Handling and storage**

7.1. Precautions for safe handling	Keep out of the reach of children. Avoid inhalation of dust and contact with skin and eyes. Use with adequate ventilation. Keep away from excessive heat, sparks, and open flames.
7.2. Conditions for safe storage, including any incompatibilities	Keep out of the reach of children. Keep tightly closed and dry. Store at room temperature. Store away from strong oxidizers.
7.3. Specific end use(s)	Not available.

# **SECTION 8: Exposure controls/personal protection**

8.1. Control parameters Occupational exposure limits Biological limit values Recommended monitoring procedures Derived no-effect level (DNEL)	No exposure limits noted for ingredient(s). No biological exposure limits noted for the ingredient(s). Not available. Not available.
Predicted no effect concentrations (PNECs)	Not available.
Exposure guidelines	USA OSHA (TWA/PEL): 15 mg/m3 (Total Dust), 5 mg/m3 (Respirable Fraction)
	ACGIH (TWA/TLV): 10 mg/m3 (Inhalable Particulate), 3 mg/m3 (Respirable Particulate)
	Amorphous silica: USA OSHA (TWA/PEL): 20 mppcf 80 (mg/m3)/%SiO2, ACGIH (TWA/TLV): 10 mg/m3
	TRGS 900 (Luftgrenzwert) - 10 mg/m3 (Einatembare partikel), 3 mg/m3 (Alveolengängige fraktion)
	UK WEL: 10 mg/m3 (Respirable Dust), 5 mg/m3 (Inhalable Dust)
8.2. Exposure controls	
Appropriate engineering controls	Use in a well ventilated area.
Individual protection measure	s, such as personal protective equipment
General information	No personal respiratory protective equipment required under normal conditions of use.
Eye/face protection	Not available.
Skin protection	
- Hand protection	Not available.
- Other	Not available.
Respiratory protection	Not available.
Thermal hazards	Not available.
Hygiene measures	Not available.
Environmental exposure controls	Not available.

# **SECTION 9: Physical and chemical properties**

## 9.1. Information on basic physical and chemical properties

Appearance	Fine powder
Physical state	Solid.

Color	Yellow
Odor	Slight plastic odor
Odor threshold	Not available.
рН	Not applicable
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not applicable
Flash point	Not applicable
Evaporation rate	Not applicable
Flammability (solid, gas)	Not available.
Upper/lower flammability or e	xplosive limits
Flammability limit - lower (%)	Not flammable
Flammability limit - upper (%)	Not available.
Vapor pressure	Not applicable
Solubility(ies)	
Solubility (water)	Negligible in water. Partially soluble in toluene and xylene.
Solubility (other)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not applicable
Decomposition temperature	> 392 °F (> 200 °C)
Viscosity	Not applicable
Explosive properties	Not available.
Oxidizing properties	No information available.
9.2. Other information	
Percent volatile	0 % estimated
Softening point	176 - 266 °F (80 - 130 °C)

# SECTION 10: Stability and reactivity

10.1. Reactivity	Not available.
10.2. Chemical stability	Stable under normal storage conditions.
10.3. Possibility of hazardous reactions	Will not occur.
10.4. Conditions to avoid	Imaging Drum: Exposure to light
10.5. Incompatible materials	Strong oxidizers
•	Strong Unitizers

# SECTION 11: Toxicological information

General information 11.1. Information on toxicolog	Not available. Jical effects
Acute toxicity	Based on available data, the classification criteria are not met.
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	Negative, does not indicate mutagenic potential (Ames Test: Salmonella typhimurium) Based on available data, the classification criteria are not met.
Carcinogenicity	Based on available data, the classification criteria are not met.
Reproductive toxicity	Based on available data, the classification criteria are not met.
Specific target organ toxicity - single exposure	Based on available data, the classification criteria are not met.

Aspiration hazard         Based on available data, the classification criteria are not met.           Components         Species         Test Results           Anorphous silica (CAS 7631-86-9)         Acute         Acute           Ora/ LD50         Mouse         > 15000 mg/kg           Rat         > 22500 mg/kg           Mixture versus substance information         Not available.           Other information         Complete toxicity data are not available for this specific formulation Refer to Sectio 2 for potential health effects and Section 4 for first aid measures.           SECTION 12: Ecological information         LC50: > 100 mg/l, Fish, 96.00 Hours           Product         Species         Test Results           CF382A-AC         Aquatic         Fish           Aquatic         Fish         LC50           Fish         LC50         Fish           Portiention coefficient         Not available.           Adegradability         12.3. Bioaccumulative leagnatability         Not available.           12.4. Mobility in soil         Not available.         12.4. Mobility in soil           12.5. Results of PBT         Not available.         12.4. Mobility in soil           12.6. Other adverse effects         Not available.         12.4. Mobility in soil           12.6. Other adverse effects         Not ava	- repeated exposure				
Amorphous silica (CAS 7631-86-9) Acute Crai LD50 Rat > 22500 mg/kg Rat > 22500 mg/kg Mixture versus substance Not available. Not available. Not available. SECTION 12: Ecological information L1.1. Toxicity LC50: > 100 mg/l, Fish, 96.00 Hours Product Species Test Results CF382A-AC Aquatic Fish LC50 Fish > 100 mg/l, 96 Hours 12.2. Persistence and Not available. Partition coefficient Not available. Not available. Not available. Not available. L2.4. Mobility in soil Not available. L2.5. Results of PBT Not a PBT or VPVB substance or mixture. And VPVB assessment L2.6. Other adverse effects Not available. SECTION 13: Disposal considerations L3.1. Waste treatment methods Residual waste Not available. Disposal Disposal Do not shred toner cartridge, unless dust-explosion prevention measures are taken. Finely dispersion dispersion recording provide mixtures in air. Dispose of in compliance with federal, stat and local regulations. HP's Planet Partners (trademark) supplies recycling program enables simple, convenient recycling HP original indiget and Lacael the supplice mixtures in air. Dispose of in compliance with federal, stat and local regulations. First Planet Partners (trademark) supplies recycling program enables simple, convenient recycling HP original indiget and Lacael the supplices recycling program enables simple, convenient recycling HP original indiget and Lacael the supplices. SECTION 14: Transport information	-				
Acute Oral LD50       Mouse       > 15000 mg/kg         Rat       > 22500 mg/kg         Mixture versus substance information       Not available.         Other information       Complete toxicity data are not available for this specific formulation Refer to Section 2 for potential health effects and Section 4 for first aid measures.         SECTION 12: Ecological information       Complete toxicity data are not available for this specific formulation Refer to Section 2 for potential health effects and Section 4 for first aid measures.         SECTION 12: Ecological information       Cost 2 for potential health effects and Section 4 for first aid measures.         SECTION 12: Ecological information       Cost 2 for potential health effects and Section 4 for first aid measures.         SECTION 12: Ecological information       Cost 2 for potential health effects and Section 4 for first aid measures.         SECTION 12: Ecological information       Not/, Fish, 96.00 Hours         Product       Species       Test Results         CF382A-AC       Aquatic       Not available.         Aquatic       Not available.       Not available.         Potential       Not available.       Not available.         Partition coefficient of factor (BCF)       Not available.       Not available.         12.4. Mobility in soil       Not available.       Section 14 for available.         12.5. Results of PBT       Not avai	-	-		Test Results	
Oral       Nouse       > 15000 mg/kg         LDS0       Note       > 22500 mg/kg         Mixture versus substance information       Not available.          Other information       Complete toxicity data are not available for this specific formulation Refer to Section 2 for potential health effects and Section 4 for first aid measures.         SECTION 12: Ecological information       Species       Test Results         C382A-AC       Aquatic       Test Results         Aquatic       Fish       LC50       Fish       > 100 mg/l, 96 Hours         12.3. Persistence and degradability       Not available.       Heavailable.       Heavailable.         12.3. Bioaccumulative moctanol/water (log Kow)       Not available.       Heavailable.       Heavailable.         12.4. Available for this administical for the available.       Not available.       Heavailable.       Heavailable.         12.5. Results of PBT       Not available.       Not available.       Heavailable.       Heavailable.         12.5. Other adverse effects       Not available.       Not available.       Heavailable.       Heavailable.         12.6. Other adverse effects       Not available.       Not available.       Heavailable.       Heavailable.       Heavailable.       Heavailable.       Heavailable.       Heavailable.       Heavailable.					
LD50 Mouse > 15000 mg/kg Rat > 22500 mg/kg Mixture versus substance information Complete toxicity data are not available for this specific formulation Refer to Section 2 for potential health effects and Section 4 for first aid measures. SECTION 12: Ecological information I2.1. Toxicity LC50: > 100 mg/l, Fish, 96.00 Hours Product Species Test Results CF382A-AC Aquatic Fish LC50 Fish > 100 mg/l, 96 Hours 12.2. Persistence and Not available. GF382A-AC Aquatic Fish LC50 Fish > 100 mg/l, 96 Hours 12.3. Bioaccumulative Mot available. Protition coefficient Not available. Partition coefficient Not available. 12.4. Mobility in soil Not available. 12.5. Results OF PBT Not a PBT or vPVB substance or mixture. and vPVB assessment 12.6. Other adverse effects Not available. SECTION 13: Disposal considerations SECTION 13: Disposal considerations. EV waste code Not available. EV waste code Not available. EV waste code Not available. EV waste code Not available. Disposal Do not shred toner cartridge, unless dust-explosion prevention measures are taken. Finely dispersed particiens, for mexplosive mixtures in air. Dispose of in compliance with federal, stat and Craminate parkaging in Not available. EV waste code Not available. EV waste code Not available. EV maste reatment methods: EV maste reatment methods information Fish Planet Partners (trademark) supplies recycling program enables simple, convenient recycling regram enables simple, convenient recycling regram enables simple, convenient recycling in Your location, please wish thtp://www.hp.com/recycle. EECTION 14: Transport information					
Rat       > 22500 mg/kg         Mixture versus substance information       Not available.         Other information       Complete toxicity data are not available for this specific formulation Refer to Section 2 for potential health effects and Section 4 for first aid measures.         SECTION 12: Ecological information       12.1. Toxicity         LC50: > 100 mg/l, Fish, 96.00 Hours       Product         Product       Species         Aquatic       Fish         Fish       LC50         Prosential Resolution       Not available.         degradability       Not available.         Potential       Not available.         Portition coefficient       Not available.         Product of g Kow)       Not available.         Bioconcentration factor (BCF)       Not available.         12.2. Results of PBT       Not available.         12.3. Results of PBT       Not available.         12.4. Mobility in soil       Not available.         12.5. Results of PBT       Not available.         12.6. Other adverse effects       Not available.         12.6. Other adverse effects       Not available.         12.6. Other adverse effects       Not available.         13.1. Waste treatment methods       Residual waste         Residual waste       Not		Mourco		> 15000 mg/kg	
Mixture versus substance information       Not available.         Other information       Complete toxicity data are not available for this specific formulation Refer to Section 2 for potential health effects and Section 4 for first aid measures.         SECTION 12: Ecological information         12.1. Toxicity       LC50: > 100 mg/l, Fish, 96.00 Hours         Product       Species       Test Results         CF382A-AC       Aquatic         Aquatic       Fish       LC50         Fish       LC50       Fish       > 100 mg/l, 96 Hours         12.2. Persistence and degradability       Not available.       -         Potition Coefficient       Not available.       -         Potition Coefficient       Not available.       -         Protition Coefficient       Not available.       -         12.4. Mobility in soil       Not available.       -         12.5. Results of PBT       Not a PBT or vPvB substance or mixture.       -         and vPVB       assessment       -       -         12.6. Other adverse effects       Not available.       -         12.6. Other adverse effects       Not available.       -         12.6. Other adverse effect of available.       -       -         12.6. Other adverse effect of not available.       -       -<	EDSU				
Information Other information Complete toxicitly data are not available for this specific formulation Refer to Section 2 for potential health effects and Section 4 for first aid measures. SECTION 12: Ecological information 12.1. Toxicity LC50: > 100 mg/l, Fish, 96.00 Hours Produc Species Test Results CF382A-AC Aquatic Fish LC50 Fish LC50 Fish > 100 mg/l, 96 Hours 12.2. Persistence and Not available. degradability 12.3. Bioaccumulative Not available. Potential Partition coefficient Not available. 12.4. Mobility in soil Not available. 12.5. Results of PBT Not a PBT or VPVB substance or mixture. and VPVB assessment 12.6. Other adverse effects Not available. SECTION 13: Disposal considerations 13.1. Waste treatment methods Residual waste Not available. Do not shred toner carridge, unless dust-explosion prevention measures are taken. Finely dispersed particles may form explosive mixtures in air. Dispose of in compliance with federal, stat and local regulations. HP's Planet Partners (trademark) supplies recycling program enables simple, convenient recycling HP's Planet Partners (trademark) supplies. For more information and to determine if this service is available in your location, please visit http://www.hp.com/recycle.				> 22500 mg/kg	
Refer to Section 2 for potential health effects and Section 4 for first aid measures.         SECTION 12: Ecological information         12.1. Toxicity       LC50: > 100 mg/l, Fish, 96.00 Hours         Product         Species         Test Results         CF382A-AC         Aquatic       Fish       LC50       Fish       > 100 mg/l, 96 Hours         12.2. Persistence and degradability       Not available.       -       -         degradability       Not available.       -       -       -         J2.3. Bioaccumulative potential       Not available.       - <t< td=""><td></td><td>Not availat</td><td>ble.</td><td></td></t<>		Not availat	ble.		
12.1. Toxicity       LC50: > 100 mg/l, Fish, 96.00 Hours         Product       Species       Test Results         CF382A-AC       Aquatic       Fish       LC50       Fish       > 100 mg/l, 96 Hours         12.2. Persistence and degradability       Not available.       > 100 mg/l, 96 Hours       100 mg/l, 96 Hours         12.3. Bioaccumulative potential       Not available.       > 100 mg/l, 96 Hours       100 mg/l, 96 Hours         12.3. Bioaccumulative potential       Not available.       - <td>Other information</td> <td></td> <td></td> <td></td>	Other information				
Product       Species       Test Results         CF382A-AC       Aquatic       Fish       LC50       Fish       > 100 mg/l, 96 Hours         12.2. Persistence and degradability       Not available.       > 100 mg/l, 96 Hours       Intervent of the second of the	SECTION 12: Ecological i	nformati	on		
Product       Species       Test Results         GF382A-AC       Aquatic       Fish       LC50       Fish       > 100 mg/l, 96 Hours         12.2. Persistence and degradability       Not available.       > 100 mg/l, 96 Hours       Intervent of the second of the	12.1. Toxicity	LC50: > 10	00 mg/l, Fish, 96.00 Hours		
Aquatic Fish       LC50       Fish       > 100 mg/l, 96 Hours         12.2. Persistence and degradability       Not available.       >         12.3. Bioaccumulative potential       Not available.       >         Partition coefficient n-octanol/water (log Kow)       Not available.       >         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.       >         SECTION 13: Disposal considerations       >       >         13.1. Waste treatment methods       Not available.       >         Contaminated packaging       Not available.       >         Disposal       Do not shred toner cartridge, unless dust-explosion prevention measures are taken. Finely dispersed particles may form explosive mixtures in air. Dispose of in compliance with federal, stat and local regulations.         HP's Planet Partners (trademark) supplies recycling program enables simple, convenient recycling HP original inkjet and LaserJet supplies. For more information and to determine if this service is available in your location, please visit http://www.hp.com/recycle.         SECTION 14: Transport information				Test Results	
Fish       LC50       Fish       > 100 mg/l, 96 Hours         12.2. Persistence and degradability       Not available.	CF382A-AC				
12.2. Persistence and degradability       Not available.         12.3. Bioaccumulative potential       Not available.         Partition coefficient n-octanol/water (log Kow)       Not available.         Bioconcentration factor (BCF)       Not available.         12.4. Mobility in soil       Not available.         12.5. Results of PBT and vPvB assessment       Not a vailable.         12.6. Other adverse effects       Not available.         SECTION 13: Disposal considerations       Image: State Code         13.1. Waste treatment methods       Not available.         Residual waste       Not available.         Contaminated packaging       Not available.         Disposal       Do not shred toner cartridge, unless dust-explosion prevention measures are taken. Finely dispersed particles may form explosive mixtures in air. Dispose of in compliance with federal, stat and local regulations.         HP's Planet Partners (trademark) supplies recycling program enables simple, convenient recycling HP original inkjet and LaserJet supplies. For more information and to determine if this service is available in your location, please visit http://www.hp.com/recycle.         SECTION 14: Transport information       Second cation, please visit http://www.hp.com/recycle.	Aquatic				
degradability       12.3. Bioaccumulative potential       Not available.         Partition coefficient n-octanol/water (log Kow)       Not available.         Bioconcentration factor (BCF)       Not available.         12.4. Mobility in soil       Not available.         12.5. Results of PBT and vPvB       Not a PBT or vPvB substance or mixture.         12.6. Other adverse effects       Not available.         12.6. Other adverse effects       Not available.         13.1. Waste treatment methods         Residual waste       Not available.         Contaminated packaging       Not available.         Disposal       Do not shred toner cartridge, unless dust-explosion prevention measures are taken. Finely dispersed particles may form explosive mixtures in air. Dispose of in compliance with federal, stat and local regulations.         HP's Planet Partners (trademark) supplies recycling program enables simple, convenient recycling HP original inkjet and LaserJet supplies. For more information and to determine if this service is available in your location, please visit http://www.hp.com/recycle.         SECTION 14: Transport information	Fish	LC50	Fish	> 100 mg/l, 96 Hours	
potential       Not available.         Partition coefficient n-octanol/water (log Kow)       Not available.         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.         SECTION 13: Disposal considerations       Ising and vPvB         13.1. Waste treatment methods       Not available.         Residual waste       Not available.         Contaminated packaging       Not available.         Disposal       Do not shred toner cartridge, unless dust-explosion prevention measures are taken. Finely dispersed particles may form explosive mixtures in air. Dispose of in compliance with federal, stat and local regulations.         HP's Planet Partners (trademark) supplies recycling program enables simple, convenient recycling HP original inkjet and LaserJet supplies. For more information and to determine if this service is available in your location, please visit http://www.hp.com/recycle.         SECTION 14: Transport information		Not availat	ble.		
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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.         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 shred toner cartridge, unless dust-explosion prevention measures are taken. Finely dispersed particles may form explosive mixtures in air. Dispose of in compliance with federal, stat and local regulations.         HP's Planet Partners (trademark) supplies. For more information and to determine if this service is available in your location, please visit http://www.hp.com/recycle.         SECTION 14: Transport information		Not availat	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.         SECTION 13: Disposal considerations         13.1. Waste treatment methods       Not available.         Residual waste         Contaminated packaging       Not available.         EU waste code       Not available.         Disposal methods/information       Do not shred toner cartridge, unless dust-explosion prevention measures are taken. Finely dispersed particles may form explosive mixtures in air. Dispose of in compliance with federal, state and local regulations.         HP's Planet Partners (trademark) supplies recycling program enables simple, convenient recycling HP original inkjet and LaserJet supplies. For more information and to determine if this service is available in your location, please visit http://www.hp.com/recycle.         SECTION 14: Transport information	Bioconcentration factor (BCF)	Not availat	Not available.		
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12.6. Other adverse effects       Not available.         SECTION 13: Disposal considerations         13.1. Waste treatment methods         Residual waste       Not available.         Contaminated packaging       Not available.         EU waste code       Not available.         Disposal       Do not shred toner cartridge, unless dust-explosion prevention measures are taken. Finely dispersed particles may form explosive mixtures in air. Dispose of in compliance with federal, state and local regulations.         HP's Planet Partners (trademark) supplies recycling program enables simple, convenient recycling HP original inkjet and LaserJet supplies. For more information and to determine if this service is available in your location, please visit http://www.hp.com/recycle.         SECTION 14: Transport information	and vPvB	Not a PBT	or vPvB substance or mixture	2.	
13.1. Waste treatment methods         Residual waste       Not available.         Contaminated packaging       Not available.         EU waste code       Not available.         Disposal methods/information       Do not shred toner cartridge, unless dust-explosion prevention measures are taken. Finely dispersed particles may form explosive mixtures in air. Dispose of in compliance with federal, state and local regulations.         HP's Planet Partners (trademark) supplies recycling program enables simple, convenient recycling HP original inkjet and LaserJet supplies. For more information and to determine if this service is available in your location, please visit http://www.hp.com/recycle.         SECTION 14: Transport information		Not availat	ble.		
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•		HP's Plane HP original	t Partners (trademark) suppli inkjet and LaserJet supplies.	For more information and to determine if this service is	
Further informationNot a dangerous good under DOT, IATA, ADR, IMDG, or RID.	SECTION 14: Transport i	nformatio	on		
	Further information	Not a dang	jerous good under DOT, IATA	A, ADR, IMDG, or RID.	

**EU** regulations

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I Not listed.

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex II Not listed.

**Regulation (EC) No. 850/2004 On persistent organic pollutants, Annex I as amended** Not listed.

Regulation (EC) No. 689/ amended	2008 concerning the export and import of dangerous chemicals, Annex I, part 1 as
Not listed.	
Regulation (EC) No. 689/ amended	2008 concerning the export and import of dangerous chemicals, Annex I, part 2 as
Not listed. Regulation (EC) No. 689/ amended	2008 concerning the export and import of dangerous chemicals, Annex I, part 3 as
Not listed. Regulation (EC) No. 689/	2008 concerning the export and import of dangerous chemicals, Annex V as amended
Not listed.	
	2006 Annex II Pollutant Release and Transfer Registry
Not listed. Regulation (EC) No. 1907	7/2006, REACH Article 59(1) Candidate List as currently published by ECHA
Not listed.	
Authorizations	
Regulation (EC) No. 143/	2011 Annex XIV Substances Subject to Authorization
Not listed.	
Restrictions on use	
Regulation (EC) No. 1907 amended	7/2006, REACH Annex XVII Substances subject to restriction on marketing and use as
Not listed.	
Directive 2004/37/EC: or mutagens at work	n the protection of workers from the risks related to exposure to carcinogens and
Not regulated. Directive 92/85/EEC: on are breastfeeding	the safety and health of pregnant workers and workers who have recently given birth or
Not regulated.	
Other EU regulations	
Directive 96/82/EC (Seve	eso II) on the control of major-accident hazards involving dangerous substances
Not regulated. Directive 98/24/EC on th agents at work	e protection of the health and safety of workers from the risks related to chemical
Not regulated.	
Directive 94/33/EC on th	e protection of young people at work
Not regulated.	
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 (EC) No 1907/2006.
National regulations	Not available.
15.2. Chemical safety assessment	Not available.

# **SECTION 16: Other information**

References	Not available.
Information on evaluation method leading to the classification of mixture	Not available.
Issue date	19-Nov-2014
<b>Revision information</b>	SECTION 16: Other information: Disclaimer
Training information	Not available.
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.

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## 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
List of abbreviations	lot available.



# SAFETY DATA SHEET

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

1.1. Product identifier Trade name or	HP Color LaserJet CF383A-AC Magenta Print Cartridge
designation of the mixture	
Registration number	-
Synonyms	None.
Issue date	19-Nov-2014
Version number	04
Revision date	18-Sep-2015
Supersedes date	22-Jun-2015
1.2. Relevant identified uses o	f the substance or mixture and uses advised against
Identified uses	This product is a magenta toner preparation that is used in HP Color LaserJet Pro MFP M476 series printers.
Uses advised against	None known.
Company identification	HP Inc UK Limited Cain Rd., Amen Corner, Pt 2nd Floor (Bldg BRA03) Bracknell, United Kingdom RG12 1HN Telephone 44 (0) 879 013 0790
	HP health effects line (Toll-free within the US) 1-800-457-4209 (Direct) 1-760-710-0048 HP Customer Care Line (Toll-free within the US) 1-800-474-6836 (Direct) 1-208-323-2551 Email: hpcustomer.inquiries@hp.com Poison Information Center 0207771 5307

## **SECTION 2: Hazards identification**

### 2.1. Classification of the substance or mixture

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

This mixture does not meet the criteria for classification according to Regulation (EC) 1272/2008 as amended.

#### 2.2. Label elements

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

· · · · · · · · · · · · · · · · · · ·	
Contains:	Amorphous silica, Pigment, Styrene acrylate copolymer, Wax
Hazard pictograms	None.
Signal word	None.
Hazard statements	The mixture does not meet the criteria for classification.
Precautionary statements	
Prevention	Not available.
Response	Not available.
Storage	Not available.
Disposal	Not available.
Supplemental label information	None.
2.3. Other hazards	None of the other ingredients in this preparation are classified as carcinogens according to ACGIH, EU, IARC, MAK, NTP or OSHA. This preparation contains no component classified as Persistent, Bioaccumulative, and Toxic (PBT) or very Persistent and very Bioaccumulative (vPvB) as defined under Regulation (EC) 1907/2006.

## **SECTION 3: Composition/information on ingredients**

#### 3.2. Mixtures

General i	information
-----------	-------------

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	Index No.	Notes
Styrene acrylate copolymer	<85	Trade Secret	-	-	
Classification:					
Pigment	<10	Trade Secret	-	-	
Classification: -					
Wax	<10	Trade Secret	-	-	
Classification:					
Amorphous silica	<3	7631-86-9 231-545-4	01-2119379499-16-xxxx	-	
Classification: -					

# **SECTION 4: First aid measures**

General information

4.1. Description of first aid measures Inhalation Move person to fresh air immediately. If irritation persists, consult a physician. Skin contact Wash affected areas thoroughly with mild soap and water. Get medical attention if irritation develops or persists. Do not rub eyes. Immediately flush with large amounts of clean, warm water (low pressure) for at Eye contact least 15 minutes or until particles are removed. If irritation persists, consult a physician. Ingestion Rinse mouth out with water. Drink one to two glasses of water. If symptoms occur, consult a physician. 4.2. Most important Not available. symptoms and effects, both acute and delayed 4.3. Indication of any Not available. immediate medical attention and special treatment needed

## **SECTION 5: Firefighting measures**

General fire hazards	Not available.
5.1. Extinguishing media Suitable extinguishing media	CO2, water, or dry chemical
Unsuitable extinguishing media	None known.
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	If fire occurs in the printer, treat as an electrical fire.
Specific methods	None established.

Not available.

# **SECTION 6: Accidental release measures**

6.1. Personal precautions, prot	ective equipment and emergency procedures
For non-emergency personnel	Minimize dust generation and accumulation.
For emergency responders	Not available.
6.2. Environmental precautions	Do not flush into surface water or sanitary sewer system. See also section 13 Disposal considerations.
6.3. Methods and material for containment and cleaning up	Not available.
6.4. Reference to other sections	Not available.
	-

## **SECTION 7: Handling and storage**

7.1. Precautions for safe handling	Keep out of the reach of children. Avoid inhalation of dust and contact with skin and eyes. Use with adequate ventilation. Keep away from excessive heat, sparks, and open flames.
7.2. Conditions for safe storage, including any incompatibilities	Keep out of the reach of children. Keep tightly closed and dry. Store at room temperature. Store away from strong oxidizers.
7.3. Specific end use(s)	Not available.

# **SECTION 8: Exposure controls/personal protection**

8.1. Control parameters Occupational exposure limits Biological limit values Recommended monitoring procedures Derived no-effect level (DNEL)	No exposure limits noted for ingredient(s). No biological exposure limits noted for the ingredient(s). Not available. Not available.
Predicted no effect concentrations (PNECs)	Not available.
Exposure guidelines	USA OSHA (TWA/PEL): 15 mg/m3 (Total Dust), 5 mg/m3 (Respirable Fraction)
	ACGIH (TWA/TLV): 10 mg/m3 (Inhalable Particulate), 3 mg/m3 (Respirable Particulate)
	Amorphous silica: USA OSHA (TWA/PEL): 20 mppcf 80 (mg/m3)/%SiO2, ACGIH (TWA/TLV): 10 mg/m3
	TRGS 900 (Luftgrenzwert) - 10 mg/m3 (Einatembare partikel), 3 mg/m3 (Alveolengängige fraktion)
	UK WEL: 10 mg/m3 (Respirable Dust), 5 mg/m3 (Inhalable Dust)
8.2. Exposure controls	
Appropriate engineering controls	Use in a well ventilated area.
Individual protection measure	s, such as personal protective equipment
General information	No personal respiratory protective equipment required under normal conditions of use.
Eye/face protection	Not available.
Skin protection	
- Hand protection	Not available.
- Other	Not available.
Respiratory protection	Not available.
Thermal hazards	Not available.
Hygiene measures	Not available.
Environmental exposure controls	Not available.

# **SECTION 9: Physical and chemical properties**

## 9.1. Information on basic physical and chemical properties

Appearance	Fine powder
Physical state	Solid.

Color	Magenta
Odor	Slight plastic odor
Odor threshold	Not available.
рН	Not applicable
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not applicable
Flash point	Not applicable
Evaporation rate	Not applicable
Flammability (solid, gas)	Not available.
Upper/lower flammability or e	xplosive limits
Flammability limit - lower (%)	Not flammable
Flammability limit - upper (%)	Not available.
Vapor pressure	Not applicable
Solubility(ies)	
Solubility (water)	Negligible in water. Partially soluble in toluene and xylene.
Solubility (other)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not applicable
Decomposition temperature	> 392 °F (> 200 °C)
Viscosity	Not applicable
Explosive properties	Not available.
Oxidizing properties	No information available.
9.2. Other information	
Percent volatile	0 % estimated
Softening point	176 - 266 °F (80 - 130 °C)

# SECTION 10: Stability and reactivity

10.1. Reactivity	Not available.
10.2. Chemical stability	Stable under normal storage conditions.
10.3. Possibility of hazardous reactions	Will not occur.
10.4. Conditions to avoid	Imaging Drum: Exposure to light
10.4. Conditions to avoid 10.5. Incompatible materials	Imaging Drum: Exposure to light Strong oxidizers

# SECTION 11: Toxicological information

General informationNot available.11.1. Information on toxicological effects				
Acute toxicity	Based on available data, the classification criteria are not met.			
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	Negative, does not indicate mutagenic potential (Ames Test: Salmonella typhimurium) Based on available data, the classification criteria are not met.			
Carcinogenicity	Based on available data, the classification criteria are not met.			
Reproductive toxicity	Based on available data, the classification criteria are not met.			
Specific target organ toxicity - single exposure	Based on available data, the classification criteria are not met.			

Aspiration hazard         Based on available data, the classification criteria are not met.           Components         Species         Test Results           Amorphous silica (CAS 7631-86-9)         Acute         Acute           Ora/	- repeated exposure				
Amorphous silica (CAS 7631-86-9) Acute Crai LD50 Rat > 22500 mg/kg Rat > 22500 mg/kg Mixture versus substance Not available. Not available. Not available. Refer to Section 2 for potential health effects and Section 4 for first aid measures. SECTION 12: Ecological information LCS0: > 100 mg/l, Fish, 96.00 Hours Product Species Test Results CF383A-AC Aquatic Fish LC50 Fish > 100 mg/l, 96 Hours L2.2. Persistence and Not available. Not available. Partition coefficient Not available. Not available. Not available. Not available. L2.4. Mobility in soil Not available. SECTION 13: Disposal considerations L2.6. Other adverse effects Not available. SECTION 13: Disposal considerations L3.1. Waste treatment methods Residual waste Not available. Disposal Do not shred tone: cartridge, unless dust-explosion prevention measures are taken. Finely dispersion Disposal Dispos	-	Based on available data, the classification criteria are not met.			
Acute Oral LD50       Mouse       > 15000 mg/kg         Rat       > 22500 mg/kg         Mixture versus substance information       Not available.         Other information       Complete toxicity data are not available for this specific formulation Refer to Section 2 for potential health effects and Section 4 for first aid measures.         SECTION 12: Ecological information       Complete toxicity data are not available for this specific formulation Refer to Section 2 for potential health effects and Section 4 for first aid measures.         SECTION 12: Ecological information       Complete toxicity data are not available for this specific formulation Refer to Section 2 for potential         12.1. Toxicity       LC50: > 100 mg/l, Fish, 96.00 Hours         Product       Species       Test Results         CF383A-AC       Aquatic Fish       Not available.         Aquatic       Not available.       Not available.         potential       Not available.       Not available.         potential       Not available.       Not available.         12.5. Results of PBT       Not available.       Section 1 for available.         12.6. Other adverse effects       Not available.       Section 1 for available.         12.6. Other adverse effects       Not available.       Section 1 for available.         13.1. Waste treatment methods       Not available.       Section 1 for available.<	-	-		Test Results	
Oral       Nouse       > 15000 mg/kg         LDS0       Not available.       > 22500 mg/kg         Mixture versus substance information       Complete toxicity data are not available for this specific formulation Refer to Section 2 for potential health effects and Section 4 for first aid measures.         SECTION 12: Ecological information       Ecological information         12.1. Toxicity       LCS0: > 100 mg/l, Fish, 96.00 Hours         Product       Species       Test Results         CF383A-AC       Aquatic         Aquatic       Fish       LCS0         Fish       LCS0       Fish       > 100 mg/l, 96 Hours         12.2. Persistence and ok available.       Avaailable.       -         degradability       Not available.       -         Partition coefficient       Not available.       -         Partition coefficient and rect (IBCF)       Not available.       -         Partition coefficient       Not available.       -         12.5. Results of PBT       Not available.       -         SecctroN 13: Disposal considerations       -       -         13.1. Waste treatment methods.       Not available.       -         Contaminated packaging       Not available.       -         Contaminated packaging       Not available.					
LD50 Mouse > 15000 mg/kg Rat > 22500 mg/kg Mixture versus substance information Complete toxicity data are not available for this specific formulation Refer to Section 2 for potential health effects and Section 4 for first aid measures. SECTION 12: Ecological information 12.1. Toxicity LC50: > 100 mg/l, Fish, 96.00 Hours Product Species Test Results CF383A-AC Aquatic Fish LC50 Fish > 100 mg/l, 96 Hours 12.2. Persistence and Not available. Gradualbility 12.3. Bioaccumulative Not available. Partition coefficient Not available. Partition coefficient Not available. 12.4. Mobility in soil Not available. 12.5. Results Of PBT Not a VBT Substance or mixture. and VPXB assessment 12.6. Other adverse effects Not available. SECTION 13: Disposal considerations 13.1. Waste treatment methods EU waste code Not available. EU waste code Not available. Fish Not available. EU waste code Not available. EU matic and PFS Assessment SECTION 13: Disposal Considerations EI available. EU waste code Not available. EU matic and average of in compliance with federal, state and local regulations. HP original inkget and Leserles supplies recycling program enables simple, convenient recycling HP original inkget and Leserles supplies. For more in formation and to determine if this service is available in your location, please visit http://www.hp.com/recycle. SECTION 14: Transport information					
Rat       > 22500 mg/kg         Mixture versus substance information       Not available.         Other information       Complete toxicity data are not available for this specific formulation Refer to Section 2 for potential health effects and Section 4 for first aid measures.         SECTION 12: Ecological information       12.1. Toxicity         L2.1. Toxicity       LC50: > 100 mg/l, Fish, 96.00 Hours         Product       Species       Test Results         CF383A-AC       Aquatic         Aquatic       Fish       LC50         Fish       LC50       Fish       > 100 mg/l, 96 Hours         12.2. Persistence and degradability       Not available.       -         Portition Coefficient       Not available.       -         Protition Coefficient       Not available.       -         Protition factor (BCF)       Not available.       -         12.4. Mobility in soil       Not available.       -         12.5. Results of PBT       Not available.       -         12.6. Other adverse effects       Not available.       - <t< td=""><td></td><td>Mourco</td><td></td><td>&gt; 15000 mg/kg</td></t<>		Mourco		> 15000 mg/kg	
Mixture versus substance information       Not available.         Other information       Complete toxicity data are not available for this specific formulation Refer to Section 2 for potential health effects and Section 4 for first aid measures.         SECTION 12: Ecological information         12.1. Toxicity       LC50: > 100 mg/l, Fish, 96.00 Hours         Product       Species       Test Results         CF383A-AC       Aquatic         Aquatic       Fish       LC50         Fish       LC50       Fish       > 100 mg/l, 96 Hours         12.2. Persistence and degradability       Not available.       -         Potition Coefficient       Not available.       -         Potition Coefficient       Not available.       -         Protition Coefficient       Not available.       -         12.4. Mobility in soil       Not available.       -         12.5. Results of PBT       Not a PBT or vPvB substance or mixture.       -         and vPVB assessment       -       -       -         12.6. Other adverse effects       Not available.       -       -         12.6. Other adverse effect of available.       -       -       -       -         12.6. Other adverse effect of available.       Not available.       -       -       - <t< td=""><td>EDSU</td><td></td><td></td><td></td></t<>	EDSU				
Information Other information Complete toxicity data are not available for this specific formulation Refer to Section 2 for potential health effects and Section 4 for first aid measures. SECTION 12: Ecological information 12.1. Toxicity LC50: > 100 mg/l, Fish, 96.00 Hours Produc Species Test Results CF383A-AC Aquatic Fish LC50 Fish LC50 Fish > 100 mg/l, 96 Hours 12.2. Persistence and Not available. degradability 12.3. Bioaccumulative Not available. Potential Partition coefficient Not available. 12.4. Mobility in soil Not available. 12.5. Results of PBT And VPVB assessment 12.6. Other adverse effects Not available. SECTION 13: Disposal considerations 13.1. Waste treatment methods Residual waste Not available. Do not shred toner cartridge, unless dust-explosion prevention measures are taken. Finely dispersed particles may form explosive mixtures in air. Dispose of in compliance with federal, stat and local regulations. HP's Planet Partners (trademark) supplies recycling program enables simple, convenient recycling HP original inkjet and LaserJet supplies. For more information		Rat		> 22500 mg/kg	
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#### **EU** regulations

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I Not listed.

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex II Not listed.

**Regulation (EC) No. 850/2004 On persistent organic pollutants, Annex I as amended** Not listed.

Regulation (EC) No. 689/ amended	2008 concerning the export and import of dangerous chemicals, Annex I, part 1 as
Not listed.	
Regulation (EC) No. 689/ amended	2008 concerning the export and import of dangerous chemicals, Annex I, part 2 as
Not listed. Regulation (EC) No. 689/ amended	2008 concerning the export and import of dangerous chemicals, Annex I, part 3 as
Not listed. Regulation (EC) No. 689/	2008 concerning the export and import of dangerous chemicals, Annex V as amended
Not listed.	
	2006 Annex II Pollutant Release and Transfer Registry
Not listed. Regulation (EC) No. 1907	7/2006, REACH Article 59(1) Candidate List as currently published by ECHA
Not listed.	
Authorizations	
Regulation (EC) No. 143/	2011 Annex XIV Substances Subject to Authorization
Not listed.	
Restrictions on use	
Regulation (EC) No. 1907 amended	7/2006, REACH Annex XVII Substances subject to restriction on marketing and use as
Not listed.	
Directive 2004/37/EC: or mutagens at work	n the protection of workers from the risks related to exposure to carcinogens and
Not regulated. Directive 92/85/EEC: on are breastfeeding	the safety and health of pregnant workers and workers who have recently given birth or
Not regulated.	
Other EU regulations	
Directive 96/82/EC (Seve	eso II) on the control of major-accident hazards involving dangerous substances
Not regulated. Directive 98/24/EC on th agents at work	e protection of the health and safety of workers from the risks related to chemical
Not regulated.	
Directive 94/33/EC on th	e protection of young people at work
Not regulated.	
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 (EC) No 1907/2006.
National regulations	Not available.
15.2. Chemical safety assessment	Not available.

# **SECTION 16: Other information**

References	Not available.
Information on evaluation method leading to the classification of mixture	Not available.
Issue date	19-Nov-2014
<b>Revision information</b>	SECTION 16: Other information: Disclaimer
Training information	Not available.
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.

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### 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
List of abbreviations N	ot available.