Material Safety Data Sheet

1.0 Product and Company Identification

Identification of the preparation

HP Color LaserJet C8562A
Yellow Image Drum

Company Identification

Hewlett-Packard Company
11311 Chinden Boulevard
Boise, Idaho 83714
United States

Emergency telephone number
Hewlett-Packard Health Effects Line

1-800-457-4209 (USA and Canada)
Intl: +1-503-494-7199 (all other areas)
Singapore: +001-800-332-13321

General information telephone number

1-208-323-2551 (USA and Canada)
Intl: +1-208-323-2551 (all other areas)

Local Contact Information

Ireland
Liffey Park Technology Park
Barnhall Road Leixlip, Co.
Kildare, Ireland
Phone: 01 6150000

United Kingdom
Hewlett-Packard, Ltd.
Cain Road, Amen Corner
Bracknell, Berkshire, RG12 1HN
Phone: 1344 36-0000

Hazard Rating	US NFPA/HMIS
Health	1
Flammability	1
Instability/Reactivity	0
Special	N/A

2.0 Composition/Information on Ingredients

This product is a yellow image drum that is used in Hewlett-Packard Color LaserJet 9500 series printers and multi-function products (MFPs).

Toner Component/Substance	CAS Number	EU Number	% by Weight	Risk Phrases
Styrene Acrylate Copolymer	-	-	75 - 85	-
Wax	-	-	5 - 10	-
Pigment	-	-	1 – 4	-

Image Drum Component/Substance	CAS Number	EU Number	% by Weight	Risk Phrases
Aluminum alloy	-	-	95 – 98	-
Titanium dioxide	13463-67-7	236-675-5	0.2 – 1.0	-
Polyester resin	-	-	0.2 – 1.0	-
Aryl amine derivative	-	-	0.2 – 1.0	

3.0 Hazard Identification

This product is not classified as hazardous according to OSHA CFR 1910.1200 or EU Directive 1999/45/EC, and as amended.

Routes of Exposure — *Toner & Image drum* - Inhalation, Ingestion, skin and eyes.

Acute Health Hazards

Inhalation: *Toner* - Respiratory tract irritation may occur with exposure to large amounts of dust.
Image drum - Not an applicable route of entry for intended use.

Ingestion: *Toner* - Low acute toxicity. Ingestion is a minor route of entry for intended use of this product.
Image drum - Not an applicable route of entry for intended use.

Skin: *Toner & Image drum* - Unlikely to cause skin irritation.

Eyes: *Toner* - May cause transient slight irritation.
Image drum - Not applicable under intended use.

Chronic Health Hazards — *Toner* - Prolonged inhalation of excessive amounts of any dust may cause lung damage. Use of this product as intended does not result in inhalation of excessive amounts of dust.
Image drum - None known.

Carcinogenicity — *Toner & Image drum* - Refer to Section 11.

4.0 First Aid Measures

Inhalation: *Toner* - Move person to fresh air immediately. If symptoms occur, consult a physician.
Image drum - Not applicable.

Ingestion: *Toner* - Rinse mouth out with water. Drink one to two glasses of water. If symptoms occur, consult a physician immediately.
Image drum - Not applicable.

Skin: *Toner & Image drum* - Wash affected areas with soap and water. If irritation persists, consult a physician.

Eyes: *Toner* - Do not rub eyes. Immediately flush with large amounts of clean, lukewarm water (low pressure) for at least 5 minutes or until particles are removed. If irritation persists, consult a physician.
Image drum - Not applicable.

5.0 Fire Fighting Measures

Extinguishing media *Toner* - CO_2, water, dry chemical
Image drum - CO_2, dry chemical

Unsuitable Extinguishing Media *Toner* – None
Image drum - Water or foam

Special Firefighting Procedures If fire occurs in the printer, treat as an electrical fire. * Do Not extinguish with water or foam.*

Unusual fire and explosion hazards *Toner* - Like most organic material in powder form, toner can form explosive dust-air mixtures when finely dispersed in air.
Image drum – None

Auto-ignition temperature *Toner* - Not available
Image drum - Not applicable

Flashpoint (method) *Toner & Image drum* - Not applicable

Hazardous Combustion Products *Toner* - CO, CO_2
Image drum - CO, CO_2, NO_X

6.0 Accidental release measures

Spill or leak procedures

Toner - Avoid breathing dust. Minimize the release of particles. Slowly sweep the material into a bag or other sealed container. Clean remainder with a damp cloth or vacuum cleaner. If a vacuum is used, the motor must be rated as dust explosion-proof. Fine powder can form explosive dust-air mixtures. Dispose of waste toner in accordance with local requirements.
Image drum - Not applicable.

Environmental precautions

Toner - Do not discharge into drains (See also Section 13, Disposal Considerations).
Image drum - See section 13 Disposal Considerations.

7.0 Handling and Storage

Advice on safe handling and protection against fire

Toner - Keep material out of reach of children. Avoid inhalation of dust and contact with eyes. Use with adequate ventilation. Keep away from excessive heat, sparks, and open flames.
Image drum - None

Requirements for storage rooms and advise on storage compatibility

Toner - Keep out of the reach of children. Keep container closed and store at room temperature. Keep away from strong oxidizers.
Image drum - Maintain storage temperature less than 45°C.

8.0 Exposure control/ personal protection

Exposure Limit Values

USA OSHA (TWA/PEL):

Toner - 15 mg/m^3 (Total Dust)
Image drum – None

Toner - 5 mg/m^3 (Respirable Fraction)
Image drum – None

ACGIH (TWA/TLV):

Toner - 10 mg/m^3 (Inhalable Particulate)
Image drum – None

Toner - 3 mg/m^3 (Respirable Particulate)
Image drum – None

TRGS 900 (Luftgrenzwert):	*Toner* - 4 mg/m^3 (Einatembare Partikel) *Image drum* – None *Toner* - 1.5 mg/m^3 (Alveolengängige Fraktion) *Image drum* – None
Exposure Controls	*Image drum* - Not required under normal conditions.
Respiratory protection	*Toner* - Not required under intended use.
Ventilation	*Toner* - Good general ventilation should be sufficient under intended use.
Protective gloves	*Toner* - Not required under intended use.
Eye protection	*Toner* - Not required under intended use.
Other protective equipment	*Toner* - Not required under intended use.

9.0 Physical and chemical properties

pH	*Toner & Image drum* - Not applicable
Boiling point	*Toner & Image drum* - Not applicable
Melting point	*Toner*: 100 - 150°C (Softening Point) *Image drum*: >100°C
Flammability	*Toner* - Non-flammable solid (according to test methods of EU Directive 92/69/EEC and as amended, A10 Flammability (Solids). *Image drum* – Not applicable.
Explosive properties	*Toner* - Toner material, like most organic material in powder form, is capable of creating a dust explosion. *Image drum* – None
Oxidizing properties	*Toner & Image drum* - No data available
Vapor Pressure	*Toner & Image drum* - Not applicable
Specific gravity (H_2O=1)	*Toner* - 1.0 - 1.2 *Image drum* - No data available.

Solubility in water	*Toner* - Negligible *Image drum* - Not soluble
Solubility in organic solvents	*Toner* - Partially soluble in toluene and xylene. *Image drum* - Partially soluble in ketones, esters and aromatic solvents.
Partition coefficient	*Toner* - Not applicable. *Image drum* – Not soluble in n-octanol.
Viscosity	*Toner & Image drum* - Not applicable
Vapor density	*Toner & Image drum* - Not applicable
Evaporation rate	*Toner & Image drum* - Not applicable
Physical state	*Toner* - Fine powder *Image drum* - Viridian aluminum cylinder
Color	*Toner* - Yellow *Image drum* - Greenish blue
Odor	*Toner* - Slight plastic odor *Image drum* – Odorless
Other	*Toner* - Decomposition Temperature: >200 ^{o}C *Image drum* - None known

10.0 Stability and reactivity

Stability	*Toner & Image drum* - Stable under normal storage conditions.
Incompatibilities	*Toner* - Strong oxidizers *Image drum* – None
Hazardous decomposition products	*Toner* - CO, CO_2 *Image drum* - CO, CO_2, NO_X
Hazardous polymerization	*Toner & Image drum* - Will not occur

11.0 Toxicological information

Refer to Section 3 for potential heath effects and Section 4 for first aid measures

Ingestion: *Toner & Image drum coating* - LD_{50}: orl-rat>2000 mg/kg, not harmful.

Inhalation: *Toner & Image drum coating* - No data available

Eye contact: *Toner & Image drum coating* - Not classified as irritant, according to OSHA Hazard Communication Standard (HCS) and EU Directive 67/548/EEC and as amended.

Skin contact: *Toner* - Not classified as irritant, according to OSHA Hazard Communication Standard (HCS) and EU Directive 67/548/EEC and as amended.
Image drum coating - No data available.

Mutagenicity: *Toner & Image drum coating* - Negative, does not indicate mutagenic potential (Ames Test: Salmonella typhimurium).

Carcinogenicity: *Toner & Image drum coating* - Not a known or suspected carcinogen according to any IARC Monograph, NTP, OSHA Regulations (USA), EU Directive, and Proposition 65 (California).

Reproductive Toxicity: *Toner* - Not classified as toxic according to EU Directive 67/548/EEC and as amended, California Prop. 65, and DFG (Germany).
Image drum coating - No data available.

Sensitization: *Toner & Image drum coating* - Not classified as a sensitizer according to EU Directive 67/548/EEC and as amended, and OSHA HCS (US).

Chronic Toxicity: *Toner & Image drum coating* – None

Other: *Toner & Image drum coating* – None

12.0 Ecological Information

No data available for ecological and wastewater treatment (sewage) systems. Avoid spills and dispose of in accordance with applicable laws and regulations..

13.0 Disposal considerations

Do not put toner or image drum into fire; heated toner may cause severe burns. Do not shred image drum, 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.

14.0 Transportation information

Not a regulated article under DOT, IATA, ADR, or RID

UN Number	*Toner & Image drum* - None
Class	*Toner & Image drum* - None
Proper Shipping Name	*Toner & Image drum* - None
Packing Group	*Toner & Image drum* - None
Special Precautions	*Toner & Image drum* - None

15.0 Regulatory information

US EPA TSCA Inventory	*Toner & Image drum* - All chemical substances in this product comply with all rules or orders under TSCA.
US EPA TSCA 12(b)	*Toner* - Contains p-Xylene - [CAS No. 106-42-3] *Image drum* – None
US California Proposition 65	*Toner & Image drum* – None
EU Notification	*Toner & Image drum* - All components in this product are compliant with EU Chemical Inventory regulations.
EU R&S Phrase Information	*Toner & Image drum* - No European Risk Phrases (labeling data).
Dangerous Components (CAS No.) wt%	*Toner & Image drum* - None
USA Labeling Symbol	*Toner & Image drum* - Not required
Hazard Warning	*Toner & Image drum* - Not required
Safety Advice	*Toner & Image drum* - Not required
Hazardous Component(s)	*Toner & Image drum* – None

16.0 Other information

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Material Safety Data Sheet

EU & US Information This MSDS was prepared in compliance with EU Directive 91/155/EEC as amended by 2001/58/EC and USA OSHA Hazard Communications regulations (29CFR1910:1200).

DISCLAIMER: This Material Safety Data Sheet (MSDS) is provided without charge to customers of Hewlett-Packard. Data is the most current known to Hewlett-Packard at the time of preparation of this MSDS and is believed to be accurate. It should not be construed as guaranteeing specific properties of the product as described or its suitability for a particular application.