1. IDENTIFICATION OF THE SUBSTANCE PREPARATION AND COMPANY UNDERTAKING

1.1 **PRODUCT IDENTIFIER**

Product name: HP Alternative-New C8552A Yellow Toner Cartridge

Part number: HPC8552A

1.2 **IDENTIFIED USES AND USES ADVISED AGAINST**

For use in: This mixture is a toner used in copiers/printers.

1.3 **SUPPLIER DETAILS**

Supplier: Clover Technologies Group
4200 Columbus Street.
Ottawa, IL 61350
United States
Phone number: 815-431-8100
Fax: 815-461-8583

Contact Hours: 08:00AM-05:00PM CST

1.4 **EMERGENCY TELEPHONE NUMBERS**

Supplier: N/A

* This document provides safety-related information about toner contained in print cartridge for use in laser printer

2. HAZARDS IDENTIFICATION

2.1 **INFORMATION and CLASSIFICATION**

Overview: Physical hazards: Not classified. Health hazards: Not classified. Environmental hazards: Not classified. OSHA defined hazards: Not classified. Label elements: Hazard symbol, None; Signal word, None; Hazard statement, Not available. Hazard(s) not otherwise classified (HNOC): None known. Supplemental information: This product is not classified as hazardous according to OSHA CFR 1910.1200 (HazCom 2012).

2.2 **LABEL ELEMENTS**

Applicable Pictograms:

Danger Indications: N/A

Risk Phrases: N/A

Safety Phrases: N/A

2.3 **OTHER HAZARDS**

PBT or vPvB: N/A

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients	CAS number	Weight %	OSHA PEL	ACGIH TLV	Other
Styrene acrylate copolymer	TRADE SECRET	<85			
Wax	TRADE SECRET	<10			Common name and synonyms: Wax
Pigment	TRADE SECRET	<5			Common name and synonyms: Pigment
Titanium dioxide	13463-67-7	<1	15 mg/m3 (Total dust.)	10 mg/m3	
			TWA: 15 mg/m3 (Total Dust), 5 mg/m3 (Respirable Fraction)	TWA: 10 mg/m3 (Inhalable Particulate), 3 mg/m3 (Respirable Particulate)	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).

The Full Text for all R-Phrases are Displayed in Section 16

COMPOSITION COMMENTS

The Data Shown is in accordance with the latest Directives.

This section provides composition information for the toner powder contained in specially designed container inside of the print cartridge.

4. FIRST-AID MEASURES

4.1 **FIRST AID MEASURES**

4.1.1 **FIRST AID INSTRUCTIONS BY RELEVANT ROUTES OF EXPOSURE**

Inhalation:	Move person to fresh air immediately. If irritation persists, consult a physician.
Eye contact:	Do not rub eyes. Immediately flush with large amounts of clean, warm water (low pressure) for at least 15 minutes or until particles are removed. 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.
Ingestion:	Rinse mouth out with water. Drink one to two glasses of water. If symptoms occur, consult a physician.

4.1.2 **ADDITIONAL FIRST AID INFORMATION**

Additional first aid information:	N/A
Immediate Medical Attention Required:	N/A

4.2 **SYMPTOMS AND EFFECTS**

Acute Symptoms from Exposure:	N/A
Delayed Symptoms from Exposure:	N/A

4.3 **IMMEDIATE SPECIAL TREATMENT OR EQUIPMENT REQUIRED**

N/A

5. FIRE-FIGHTING MEASURES

5.1 **EXTINGUISHING MEDIA**

Recommended Extinguishing Media:	CO2, water, or dry chemical. If fire occurs in the printer, treat as an electrical fire.
Extinguishing Media Not to be Used:	None known.

5.2 **SPECIAL HAZARD**

Unusual Fire/Explosion Hazards:	N/A
Extinguishing Media Not to be Used:	N/A

5.3 **ADVICE FOR FIRE FIGHTERS**

Avoid inhalation of smoke. Wear protective cloting an wear self-contained breathing apparatus

6. ACCIDENTAL RELEASE MEASURES

6.1 **PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES**

6.1.1 **PRECAUTIONS FOR NON-EMERGENCY PERSONNEL**

Minimize dust generation and accumulation.

6.1.2 **ADDITIONAL FIRST AID INFORMATION**

N/A

6.1.3 **PERSONAL PROTECTION**

Wear personal protective equipment as described in Section 8.

6.2 **ENVIRONMENTAL PRECAUTIONS**

Regulatory Information:	Keep product out of sewers and watercourses.

6.3 **METHODS AND MATERIAL FOR CONTAINMENT AND CLEANUP**

Spill or Leak Cleanup Procedures:	Not available. Do not flush into surface water or sanitary sewer system. See also section 13 Disposal considerations.

7. HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING

Recommendations for Handling:	No special precautions when used as intended. Keep containers closed, avoid creating dust. Keep away from ignition sources.
Advice on General Hygiene:	Never eat, drink or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the restroom, or applying cosmetics.

7.2 CONDITIONS FOR SAFE STORAGE

Avoid high temperatures, >100°F/32°C

7.3 SPECIFIC END USES

Printing devices

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 CONTROL PARAMETERS

The best protection is to enclose operations and/or provide local exhaust ventilation at the site of chemical release in order to maintain airborne concentrations of the product below OSHA PELs (See Section 2).
Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

8.2 EXPOSURE CONTROLS

Respiratory protection:

IMPROPER USE OF RESPIRATORS IS DANGEROUS. Seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations (29 CFR 1910.134 and 1910.137) and, if necessary, wear a NIOSH approved respirator. Select respirator based on its suitability to provide adequate worker protection for given work conditions, levels of airborne contamination, and sufficient levels of oxygen.

Eye/Face Protection:

Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses.

Hand/Skin Protection:

For emergency or non-routine operations (cleaning spills, reactor vessels, or storage tanks), wear an SCBA. WARNING! Air purifying respirators do not protect worker in oxygen deficient atmospheres.

Additional Protection:

N/A

Protective Clothing and Equipment:

Wear chemically protective gloves, boots, aprons, and gauntlets to prevent prolonged or repeated skin contact. Wear splash-proof chemical goggles and face shield when working with liquid, unless full face piece respiratory protection is worn.

Safety Stations:

Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

Contaminated Equipment:

Separate contaminated work clothes from street clothes. Launder before reuse. Remove material from your shoes and clean personal protective equipment. Never take home contaminated clothing.

Comments:

Never eat, drink or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the restroom, or applying cosmetics.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 **DETAIL INFORMATION**

Physical state:	PHYSICAL STATE: Solid. APPEARANCE: Fine powder. COLOR: Yellow.
Color:	Yellow
Odor:	Slight plastic odor.
Odor threshold:	N/A
Boiling point:	N/A
Melting point:	212 - 302 °F (100 - 150 °C); 212 - 302 °F (100 - 150 °C) (softening point).
Flash point:	N/A
Explosion limits:	N/A
Relative density:	N/A
Auto-ignition temperature:	N/A

9.2 **OTHER INFORMATION**

FLAMMABILITY LIMIT - LOWER (%): Not flammable. SOLUBILITY (WATER): Negligible in water. Partially soluble in toluene and xylene. PERCENT VOLATILE: 0 % estimated.

10. CHEMICAL STABILITY AND REACTIVITY

10.1 **Reactivity:**

Reactivity Hazards:	None
Data on Mixture Substances:	None

10.2 **Chemical Stability:** The product is stable. Under normal conditions of storage and use, hazardous polymerisation will not occur.

10.3 **Hazardous Polymerization:** Stable under conditions of normal use.

10.4 **Conditions to Avoid:** Keep away from heat, flame, sparks and other ignition sources.

10.5 **Incompatible Materials:** Strong oxidising materials

10.6 **Hazardous Decomposition:** Will not occur.

11. INFORMATION ON TOXICOLOGICAL EFFECT

Mixtures:	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.
Acute Toxicity:	N/A
Skin Corrosion/Irritation:	N/A
Serious Eye Damage:	Not classified as irritant, according to OSHA Hazard Communication Standard (HCS) and EU Directive 67/548/EEC and as amended.
Inhalation:	N/A
Sensitization:	Respiratory sensitization: Not available. Skin sensitization: Not classified as irritant, according to OSHA Hazard Communication Standard (HCS) and EU Directive 67/548/EEC and as amended.
Mutagenicity:	Negative, does not indicate mutagenic potential (Ames Test: Salmonella typhimurium).
Carcinogenicity:	Titanium dioxide is classified by the IARC as a Group 2B carcinogen (the substance is possibly carcinogenic to humans). The IARC classification was based on high concentrations of titanium dioxide particles in animal lungs. Under intended use of this toner product, exposure to titanium dioxide is much lower. IARC Monographs. Overall Evaluation of Carcinogenicity: Titanium dioxide (CAS 13463-67-7), 2B Possibly carcinogenic to humans. None of the other ingredients in this preparation are classified as carcinogens according to ACGIH, EU, IARC, MAK, NTP or OSHA.
Reproductive Toxicity:	Not classified as toxic according to EU Directive 67/548/EEC and as amended, California Prop. 65, and DFG (Germany).
STOT - Single Exposure:	N/A
STOT - Multiple Exposure:	No information available.
Ingestion:	N/A
Hazard Class Information:	N/A
Mixture on Market Data:	N/A
Symptoms:	N/A
Delayed/Immediate Effects:	N/A
Test Data on Mixture:	N/A
Not Meeting Classification:	N/A
Routes of Exposure:	N/A
Interactive Effects:	N/A
Absence of Specific Data:	N/A
Mixture vs Substance Data:	N/A

12. ECOLOGICAL INFORMATION

12.1	**Eco toxicity:**	Product: Aquatic (Fish) LL50, Species - Fish, Test Results - > 1000 mg/l, 96 Hours. Components, Titanium dioxide (CAS 13463-67-7): Aquatic (Crustacea) EC50, Species - Water flea (Daphnia magna), Test Results - > 1000 mg/l, 48 hours; Aquatic (Fish) LC50, Species - Mummichog (Fundulus heteroclitus), Test Results - > 1000 mg/l, 96 hours.
12.2	**Degradability:**	N/A
12.3	**Bioaccumulation Potential:**	N/A
12.4	**Mobility in Soil:**	N/A
12.5	**PBT & vPvB Assessment:**	N/A
12.6	**Other Adverse Effects:**	N/A

13. DISPOSAL CONSIDERATIONS

Disposal Information:
Dispose as a solid waste in accordance with local authority regulations.
Empty container retains product residue.

Physical/Chemical Properties that affect Treatment:
Symbol: This product is not classified as dangerous
Risk Phrases: This product is not classified according to the federal, state and local environmental regulations.

Waste Treatment 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.

Personal Protection Required:
N/A

14. TRANSPORT INFORMATION

14.1 **ID Number:** Not a dangerous good under DOT, IATA, ADR, IMDG, or RID.

14.2 **Shipping Name:** Not a dangerous good under DOT, IATA, ADR, IMDG, or RID.

14.3 **Hazard Class:** Not a dangerous good under DOT, IATA, ADR, IMDG, or RID.

14.4 **Packing Group:** Not a dangerous good under DOT, IATA, ADR, IMDG, or RID.

14.5 **Environmental Hazards:** N/A

14.6 **User Precautions:** N/A

14.7 **Bulk Transport:** N/A

15. REGULATORY INFORMATION

15.1 **Regulatory Information:** TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D): Not regulated. SARA 304 Emergency release notification: Not regulated. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050): Not listed. All chemical substances in this 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.

EPA Regulatory Information: US federal regulations, US EPA TSCA Inventory: All chemical substances in this product comply with all rules or orders under TSCA.

CERCLA Reportable Quantity: Not listed.

15.2 **Superfund Information:**

Hazard Categories:

Immediate: No

Delayed: No

Fire: No

Pressure: No

Reactivity: No

Section 302 - Extremely Hazardous: Not listed.

Section 311 - Hazardous: No

15.3 **State Regulations:** (USA) Massachusetts RTK - Substance List: Titanium dioxide (CAS 13463-67-7). New Jersey

Worker and Community Right-to-Know Act: Titanium dioxide (CAS 13463-67-7). Pennsylvania Worker and Community Right-to-Know Law: Titanium dioxide (CAS 13463-67-7). Rhode Island RTK: Not regulated. California Proposition 65 - CRT: Listed date/Carcinogenic substance: TITANIUM DIOXIDE (AIRBORNE, UNBOUND PARTICLES OF RESPIRABLE SIZE) (CAS 13463-67-7), Listed September 2, 2011.

15.4 **Other Regulatory Information:** Safe Drinking Water Act (SDWA): Not regulated.

16. OTHER INFORMATION

General Comments: This information is based on our current knowledge. It should not therefore be construed as guaranteeing specific properties of the products as described or their suitability for a particular application

Creation Date of this SDS: 06/10/2015

Key to Abbreviations and Acronyms used in this sheet:

ACGIH = American Conference of Governmental Industrial Hygienists	NIOSH = National Institute for Occupational Safety and Health
CERCLA = Comprehensive Environmental Response Compensation and Liability Act	OSHA = Occupational Health and Safety Administration
CLP = Classification, Labeling, and Packaging	PEL = Permissible Exposure Limit
DSD = Dangerous Substances Directive	SCBA = Self Contained Breathing Apparatus
EPA = Environmental Protection Agency	STOT = Specific Target Organ Toxicity
GHS = Globally Harmonized System	TLV = Threshold Limit Value
N/A = Not Applicable	UK = United Kingdom
NFPA = National Fire Protection Association	UN = United Nations

Ref: