1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PART NUMBER BC2025C

PRODUCT DESCRIPTION HP 2025 Toner Cyan

SUPPLIER Clover Technolgies Group

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Ottawa, IL 61350

EMERGENCY TELEPHONE (815) 431-8100

2. HAZARDS IDENTIFICATION

Emergency overview

This mixture is fine powder with no or slight plastic-like odor.

This mixture may cause irritation of the respiratory system, eyes, and skin. This mixture, like most organic powders, can cause a dust explosion if particles form thick clouds.

Acute health effects

Eye contact: Irritation may occur by mechanical abrasion.

Skin contact: Minimal skin irritation may occur.

Inhalation: Slight irritation of respiratory tract may occur with exposure

to large amount of toner dust.

Ingestion: Ingestion is an unlikely route of entry under normal

Conditions of use.

Other information

This mixture is not classified as hazardous according to the latest adaptations of EU Directive 1999/45/EC.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients CAS number % in mixture TSCA listed/exempted

Styrene acrylate copolymer	Trade secret	70-90	Yes
Wax	Trade secret	5-15	Yes
Pigment	Trade secret	3-10	Yes
Amorphous silica	Trade secret	<5	Yes

Refer to Section 8 for the exposure limits and Section 11 for toxicological information

4. FIRST AID MEASURES

Immediate medical attention may be required in the unlikely event of extreme Inhalation, eye contact or unusual reaction due to physical idiosyncrasy of the person.

Eye Contact:

Do not rub eyes. Immediately rinse with plenty of clean running water until particles are washed out. If irritation persist, seek medical advice.

Skin Contact:

Wash out particles with plenty of water and soap. If irritation develops, seek medical advice.

Inhalation:

Provide fresh air immediately. If symptoms occur, seek medical advice.

Ingestion:

Clean mouth out with water. Drink several glasses of water.

If sickness develops, seek medical advice.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Carbon dioxide, Water, foam, dry chemical Extinguishing Media which shall not be used: None known.

Special exposure hazards arising from the mixture itself, combustion products, or resulting gases:

Toner like most organic powders, is capable of creating a dust explosion when particles are dispersed.

Carbon monoxide and carbon dioxide are hazardous resulting gases.

Special protective equipment for fire-fighters: None known

6. ACCIDENTAL REALEASE MEASURES

Personal precautions:

Avoid dust formation. Do not breathe dust.

Wear personal protective equipment as described in Section 8.

Environmental precautions:

Do not discharge into drains.

Methods for cleaning up:

Eliminate sources of ignition and flammables. Vacuum or sweep the material Into a sealed container. If a vacuum cleaner is used, it must be dust Explosion-proof. Dispose of the material in accordance with Federal/ State/local requirements.

7. HANDLING AND STORAGE

7.1 Handling

Keep out of reach of children

Avoid dust formation. Handle in adequately ventilated area.

Do not breathe dust. Do not get in eyes or on skin.

Keep away form excessive heat and sources of ignition such as sparks and open flames.

Ensure all the equipment is electrically earthed/grounded before beginning operation.

7.2. Storage

Keep out of the reach of children.

Keep container closed and store at room temperature.

Keep away from excessive heat and sources of ignition.

Do not store with strong oxidizers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Exposure limit values:

Mixture as particulate not otherwise classified

OSHA PELs (TWA): 15mg/m3 (Total dust), 5 mg/m3 (Respirable fraction)
ACGIH TLV (TWA): 10mg/m3 (Inhalable particulate), 3mg/m3 (Respirable Particulate)

Amorphous silica

OSHA PELs (TWA):20 mppcf* or 80/%SiO2 mg/m3 (*million particles per cubic foot)

8.2 Exposure controls

8.2.1 Occupational exposure controls

Good general ventilation should be sufficient under normal conditions of use. Gloves are recommended.

Protective goggles or safety glasses are recommended.

Personal respiratory mask is not required under normal conditions of use, but a respirator is needed in case of dust formation

8.2.2 Environmental exposure controls

Not applicable.

9. PHYSICAL AND CHEMICAL PROPERTIES

General information

Appearance: Fine powder

Odor: None or slight plastic-like odor

Important health, safety and environmental information:

pH: Not applicable

Boiling point/boiling range:

Not applicable

Flash point:

Flammability:

Explosive properties:

Oxidizing properties:

Vapor pressure:

Specific gravity:

Not applicable

Not data available

No data available

Not applicable

1.0-1.5 (water=1)

Solubility: Partially soluble in toluene and tetrahydrofuran

Water solubility: Negligible

Partition coefficient

(n-octanol/water):Not applicableViscosity:Not applicableVapor density:Not applicableEvaporation rate:Not applicable

9.3 Other information

None

10. STABILITY AND REACTIVITY

This material is stable under normal conditions of use and storage.

No hazardous polymerization will occur.

No significant reaction will occur with air or water at room temperature.

Condition to avoid

Excessive heat Dust formation

Materials to avoid

Strong oxidizers, which could vigorously oxidize organic materials in this mixture and cause a fire in an extreme case.

Hazardous decomposition products

Carbon monoxide and carbon dioxide when combusted.

11. TOXICOLOGICAL INFORMATION

According to the information provided by the suppliers about the substances contained in this mixture, seriously damaging effect is not expected when this mixture is treated in accordance with standard industrial practices and Federal/state/local requirements. Refer to Section 2 for potential health effects and Section 4 for first aid measures.

Acute toxicity

Oral: LD50 rat > 5,000 mg/kg (OECD 425), not harmful.

(a similar product)

Inhalation: None of the substances in this mixture is classified for acute

Inhalation toxicity according to EU Directive 67/548/EEC.

Dermal: No test data available.

None of the substances in this mixture is classified as irritant according to OSHA Hazard Communication standard 29 CFR 1910.1200 or for acute dermal toxicity according to EU Directive

67/548/EEC.

Eye irritation: No test data available.

None of the substances in this mixture is classified as eye

irritation EU Directive 67/548/EEC.

Skin irritation: No test data available.

None of the substances in this mixture is classified as a

skin irritant according to OSHA Hazard Communication Standard

29 CFR 1910.1200 or EU Directive 67/548/EEC

Sensitization: No test data available.

None of the substances in this mixture is classified as a

sensitizer according to OSHA Hazard Communication Standard

29 CFR 1910.1200 or EU Directive 67/548/EEC.

Chronic Toxicity:

No test data available

None of the substances in this mixture is classified as very toxic,

toxic or harmful for chronic effect according to EU Directive

67/548/EEC.

Mutagenicity: Ames test (Salmonella typhimurium, Escherichia coli) negative.

(a similar product)

Carcinogenicity:

No test data available

None of the substances in this mixture is classified for carcinogenicity according to EU Directive 67/548/EEC.

Reproductive toxicity:

No test data available.

None of the substances in this mixture is classified for reproductive toxicity according to EU Directive 67/548/EEC.

12. ECOLOGICAL INFORMATION

According to our test results or this or similar mixture and the information provided by the suppliers about the substances contained in this mixture, this mixture is not expected to be harmful to ecology.

Ecotoxicity:

No data available

Mobility

No data available

Persistence and degradability

No data available

Bioaccumulative potential

No data available

Results of PBT assessment

Not applicable

Other adverse effects

None known

13. DISPOSAL CONSIDERATIONS

This mixture may be landfilled or incinerated in compliance with all Federal/state/local provisions.

Do not dump this product into sewers, on the ground, or into any body of water.

14. TRANSPORTATION INFORMATION

International Transport Information

Not a regulated material under the United State DOT, IMDG, ADR,RID, or ICAO/IATA.

15. REGULATORY INFORMATION

TSCA: All the substances in this mixture is listed or exempted in accordance

with TSCA.

CERCLA Reportable Quantity (40 CFR 117,302):

Not applicable to this mixture.

SARA Title III

Section 302 (40 CFR 355):

Not applicable to this mixture.

Section 311/312 (40 CRF 370):

Not applicable to this mixture.

Section 313 (40 CFR 372):

Not applicable to this mixture

Please refer to any other Federal/state/local measures that may be relevant.

16. OTHER INFORMATION

This information is believed to be true and accurate. It represents the best information currently available to us. We make no warranty, Expressed or implied with regard to such information. We make no liability resulting from its use. Users should make their own investigations to determine the suitability for their particular purposes.

REVISION DATE: 2009-10-12 SAFETY DATA SHEET: 2009-10-12

Abbreviations

ADR Accord européen relatif au transport international des

marchandises Dangereuses par Route (The European agreement on cross-border transportation of dangerous

goods by road).

CAS Chemical Abstracts Service

CERCLA Comprehensive Environmental Response Compensation and

Liability Act.

CFR Code of Federal Regulations

DOT Department of Transportation

EINCES European Inventory of Existing Commercial Substances

ELINCS European List of Notified Chemical Substances

EU European Union

IARC International Agency of Research on Cancer

IATA International Air Transport Association

ICAO International Civil Aviation Organization

IMDG International Medical Guide of Ships

LD50 Lethal Dose, 50% kill

NTP National Toxicology Program

OSHA Occupational Safety and Health Administration

PELs Permissible Exposure Limits

RID Réglement International concernant le transport des

marchandises Dangereuses par chemin de fer (the

International regulations covering transportation of dangerous

goods by rail)

SARA Superfund Amendments and Reauthorization Act of 1986

TSCA Toxic Substances Control Act

TLV Threshold Limit Value

TWA Time Weighted Average