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Report No.: MMIRS2AM83242716a

MSDS Report

Sample Description	Toner Cartridge (With Toner Powder)
Applicant	Retech Technology International Limited / CARTRIDGES LAND LIMITED
Address	Flat B 8, 21/F, Tak Wing Industrial Building, No.3 Tsun Wen Road, Tuen Mun, N.T., Hong Kong



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Material Safety Data Sheet

Reference to ST/SG/AC.10/30/Rev.7 (GHS)

Section 1 - Chemical Product and Company Identification

Chemical Product Identification

Sample Description: Toner Cartridge (With Toner Powder)

Sample Model: /

Recommended Uses: printing

Restrictions on Use: N/A

Supplier Name: Shenzhen Chaojun Technology Co.Ltd.

Address: No.55, 56, 57, 58, 60 Buildings, Hutian Road, Fumin Industrial Area, Pinghu Street, Longgang Zone, Shenzhen, China

Phone Number: +86(755)-84004000

FAX: +86(755)-84004777

E-mail: op1@retech.com.hk

Emergency Phone Number: +86(755)-84004000

Section 2 - Hazards Identification

Emergency overview: Black powder. Non-flammable, not soluble in water. Causes eye irritation.

CAS# 7631-86-9

Classification according to GHS

Serious eye damage/eye irritation (2A)

Carcinogenicity (1)

Specific target organ toxicity, single exposure; Respiratory tract irritation (3)

Specific target organ toxicity, repeated exposure (1) (respiratory system, immune system, kidney)

Label elements

Hazard pictogram(s):

Signal word:

Danger

Hazard statement(s):

H319 Causes serious eye irritation



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H350 May cause cancer

H335 May cause respiratory irritation

H372 Cause damage to organs through prolonged or repeated exposure (respiratory system, immune system, kidney)

Precautionary statement(s):
Prevention:

P264 Wash skin and clothing thoroughly after handling.

P280 Wear protective gloves, protective clothing, eye protection, face protection.

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P260 Do not breathe dust, mist.

P271 Use only outdoors or in a well-ventilated area.

P270 Do not eat, drink or smoke when using this product.

Response:

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 If eye irritation persists: Get medical advice.

P308 + P313 IF exposed or concerned: Get medical advice.

P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P312 Call a POISON CENTER or doctor, if you feel unwell.

Storage:

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

P405 Store locked up.

Disposal:

P501 Send contents to approved waste treatment plants.

Other hazards
Physical and chemical hazards: See Section 10

Human health hazards: See Section 11

Environmental hazards: See Section 12

Section 3 – Composition/Information on Ingredients

Chemical characterization: Mixture.

Component	CAS No.	EC#	Weight (%)
Styrene-acrylic latex	25085-34-1	607-532-8	70~80



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Ethylene propylene rubber	9010-79-1	618-455-4	1~10
Silica	7631-86-9	231-545-4	1~10

Section 4 - First Aid Measures

Description of first aid measures

General information Normal use does not require special measures , industrial production in the long term , refer to the following :

After eye contact

Flush eyes with water.

After skin contact

Wash with water and soap.

After inhalation

Remove victim to fresh area.

After swallowing

Do not induce vomiting. Get medical attention.

Personal protective equipment for first-aid responders: No data available.

Most important symptoms/effects, acute and delayed: No data available.

Indication of immediate medical attention and special treatment needed: No data available.

Section 5 - Fire Fighting Measures

Suitable extinguishing media:

Use extinguishing agent suitable for local conditions and the surrounding environment .
Such as dry powder , CO₂.

Unsuitable extinguishing media: No data available.

Specific Hazards arising from the chemical: No data available.

Specific protective actions for fire-fighters:

Protective equipment: Wear self-contained respirator. Wear fully protective impervious suit.

Section 6 - Accidental Release Measures

Normal use does not require special measures , industrial production in the long term , refer to the following :



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Personal precautions:

Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation

Protective equipment:

No data available.

Emergency procedures:

Remove ignition sources, evacuate area. Sweep up using a method that does not generate dust. Collect as much of the spilled material as possible, placed the spilled material into a suitable disposal container. Keep spilled material out of sewers, ditches and bodies of water.

Environmental precautions:

Do not allow material to be released to the environment without proper governmental permits.

Methods and materials for containment and cleaning up:

For all waste handling must refer to United Nations, National and Local Regulations for disposal.

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

Section 7 - Handling and Storage

Normal use does not require special measures , industrial production in the long term , refer to the following :

Precautions for safe handling:

Storage in a cold, dry, well ventilated environment. Store away from food and water supplies. Wash your hands thoroughly before eating and drinking. Storage of chemicals needed to prevent the generation and accumulation of static electricity when handling the container.

Conditions for safe storage, including any incompatibilities:

Store in a cool, dry, well-ventilated place. Keep away from heat, avoiding the long time of sunlight. Keep container tightly sealed.

Section 8 - Exposure Controls/Personal Protection

Control parameters

CAS No.	ACGIH	NIOSH	OSHA
25085-34-1	N/A	N/A	N/A
9010-79-1	N/A	N/A	N/A
7631-86-9	N/A	N/A	N/A



Engineering control :

The usual precautionary measures for handling chemicals should be followed.

Keep away from foodstuffs, beverages and feed.

Remove all soiled and contaminated clothing immediately.

Wash hands before breaks and at the end of work.

Personal Protective Equipment

Respiratory protection: Wear suitable protective mask in order to reduce the respiratory system. A large number of leakages, wear chemical protective clothing, including self-contained breathing apparatus.

Hand Protection: Wear appropriate protective gloves to reduce skin contact.

Eyes Protection: Wear safety goggles or eye protection combined with respiratory protection.

Skin and Body Protection: Working environment required, wear suitable protective clothing to minimize contact with skin. The type of protective equipment must be according to the concentration and the content of certain hazardous substances in the workplace.

Section 9 - Physical and Chemical Properties

Information on basic physical and chemical properties

Colour:	Black.
Physical State:	Powder.
Odour:	Not available.
Odour threshold:	Not available.
pH:	Not available.
Melting point/freezing point:	Not available.
Initial boiling point and boiling range:	Not available.
Flash Point:	Not available.
Evaporation rate:	Not available.
Flammability (solid, gas):	Non-flammable.
Explosion Limits (vol% in air):	Not available.
Vapour pressure, kPa at 20°C:	Not available.
Vapor density:	Not available.
Density/Relative density (water = 1):	Not available.
Solubility(ies):	Not soluble in water.



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Partition coefficient: n-octanol/water:	Not available.
Auto-ignition temperature:	Not available.
Decomposition temperature:	Not available.
Viscosity:	Not available.

Section 10 - Stability and Reactivity

Chemical Stability: Stable.
Possibility of hazardous reaction: No data available.
Conditions to Avoid: Incompatible materials.
Incompatible materials: No data available.
Hazardous Decomposition Products: Carbon oxide.

Section 11 - Toxicological Information

Acute Toxicity:

CAS No.	LC50/LD50
25085-34-1	No data available.
9010-79-1	No data available.
7631-86-9	No data available.

Skin corrosion/irritation: No data available.
Serious eye damage/irritation: No data available.
Respiratory or Skin sensitization: No data available.
Germ Cell mutagenicity: No data available.
Carcinogenicity: No data available.
Reproductive toxicity: No data available.
Specific target organ toxicity-Single exposure: No data available.
Specific target organ toxicity-Repeated exposure: No data available.
Aspiration hazard: No data available.
Information on the likely routes of exposure: No data available.
Eye: No data available.
Skin: No data available.
Ingestion: No data available.
Inhalation: No data available.



Section 12 - Ecological Information

- Ecological Toxicity:** No data available.
- Persistence and degradability:** No data available.
- Bioaccumulative Potential:** No data available.
- Mobility in Soil:** No data available.
- Other adverse effects:** No data available.

Section 13 - Disposal Considerations

Waste treatment methods

Recommendation:

Consult state, local or national regulations to ensure proper disposal.

Uncleaned packaging

Recommendation: Disposal must be made according to official regulations.

Section 14 - Transport Information

UN Number	
IATA, IMDG, Model Regulation	N/A
UN Proper shipping name	
IATA, IMDG, Model Regulation	N/A
Transport hazard class(es)	
IATA, IMDG, Model Regulation	Not Subjected for transport of dangerous goods
Packing group	
IATA, IMDG, Model Regulation	N/A
Packaging Sign	
IATA, IMDG, Model Regulation	N/A
Environmental hazards	
Marine pollutant:	No
Special precautions for user	No information available.

Transport Fashion: By air, by sea, by railway, by road.

Section 15 - Regulatory Information



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

CAS No.	TSCA	IECSC	DSL/NDSL	EINECS/ ELINCS/ NLP
25085-34-1	Listed	Listed	Listed DSL	Listed
9010-79-1	Listed	Listed	Listed DSL	Listed
7631-86-9	Listed	Listed	Listed DSL	Listed

Section 16 - Other Information

Issue Time: 2019-01-09

Issue Department: Technical department

Modification record:

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Other Information:

CAS: (Chemical Abstracts Service);

EC: (European Commission);

ACGIH: (American Conference of Governmental Industrial Hygienists);

NIOSH: (US National Institute for Occupational Safety and Health);

OSHA: (US Occupational Safety and Health);

TLV: (Threshold Limit Value)

TWA: (Time Weighted Average);

STEL: (Short Term Exposure Limit);

PEL: (Permissible Exposure Level);

REL: (Recommended Exposure Limit);

PC-STEL: (Permissible concentration-time weighted average);

PC-TWA: (Permissible concentration-short time exposure limit);

LC50: (Lethal concentration, 50 percent kill);

LD50: (Lethal dose, 50 percent kill);

IARC: (International Agency for Research on Cancer);



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EC50: (Median effective concentration);
 BCF: (Bioconcentration Factor);
 BOD: (Biochemical oxygen demand);
 NOEC: (No observed effect concentration);
 NTP: (US National Toxicology Program);
 RTECS: (Registry of Toxic Effects of Chemical Substances);
 IATA: (International Air Transport Association);
 IMDG: (International Maritime Dangerous Goods);
 TDG: (Recommendations on the TRANSPORT OF DANGEROUS GOODS Model Regulations);
 TOC: (Total Organic Carbon);
 TSCA: (Toxic Substances Control Act of USA);
 DSL: (the Domestic Substances List of Canada);
 NDSL: (the Non-domestic Substances List of Canada)

The original report which report No. is MMIRS2AM83242716 be replaced by this report, and it will be canceled immediately and doesn't have any legal validity. Please compliance with this report. January 9, 2019

End of report