Safety Data Sheet

According to Regulation (EC) No 1907/2006 and REGULATION (EC) No 1272/2008

Date of preparation：30/06/2018 Revision number：30/08/2024 Date of revision：2.0

Section 1 Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier:

Identification on the label/Trade name:TB012

Additional identification:Nanoform is not covered by this SDS.

UFI:Not applicable.

1.2 Relevant identified uses of the substance or mixture and uses advised against:

1.2.1 Identified uses:TONER FOR LASER PRINTER.

1.2.2 Uses advised against:Not available.

1.3 Details of the supplier of the safety data sheet:

Supplier(Manufacturer):Zhuhai Ninestar Information Technology Co., LTD

Address:No.3883,Zhuhai Avenue, Xiangzhou District Zhuhai, Guangdong P.R. China

Contact person(E-mail):info.ggimage.com

Telephone:(0086)-756-8539188

Fax:-

1.4 Emergency telephone Number:+44 1189238800

Section 2 Hazards identification

2.1 Classification of the substance or mixture:

2.1.1 Classification of the mixture:

This product does not meet the criteria for classification in any hazard class according to Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.

2.2 Label elements:

Hazard pictogram(s): Not required

Signal word: Not required

Hazard statement(s): Not required

Precautionary statement(s): Not required

Supplemental Hazard information (EU)： Not required

2.3 Other hazards:

The mixture does not contain PBT/vPvB substance.

The mixture does not contain endocrine disruptor.

Section 3 Composition/information on ingredients

Substance/Mixture: Mixture

Ingredient(s):

Chemical Name	CAS No.	EC No.	Concentration	Classification	Specific Concentration limits, M-Factors, Acute Toxicity Estimates (ATE)
Styrene acrylic resin	25767-47-9	607-806-7	70-90%	Not Classified	-
Carbon black	1333-86-4	215-609-9	3-10%	Not Classified	-
Polypropylene Wax	9003-07-0	618-352-4	5-15%	Not Classified	-
Silicon Dioxide	7631-86-9	231-545-4	＜1%	STOT RE 2,H373 (lungs) (inhalation)	-

4 First aid measures

4.1 Description of first aid measures:

In all cases of doubt, or when symptoms persist, seek medical attention.

4.1.1 In case of inhalation:

Move the victim to ventilate place. Such as medical problems, such as dizziness, nausea, etc., please seek help from a doctor immediately.

4.1.2 In case of skin contact:

Take off the contaminated clothing, Wash the skin with soap and water, ask the doctor for advice.

4.1.3 In case of eyes contact:

Mention eyelid, Irrigate with flowing water or normal saline for 5 minutes, seek medical attention.

4.1.4 In case of ingestion:

Rinse mouth with water, call a physician.

4.2 Most important symptoms and effects, both acute and delayed:

The product is not classified as harmful to human health effect.

4.3 Indication of any immediate medical attention and special treatment needed:

Symptomatic treatment.

5 Firefighting measures

5.1 Extinguishing media:

Suitable extinguishing media: Water / Foam / Dry Chemical/CO2.

Unsuitable extinguishing media: Not available.

5.2 Special hazards arising from the substance or mixture：

The following can be given off in a fire: CO、CO2、NOx

5.3 Advice for firefighters:

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Section 6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

6.1.1 For non-emergency personnel:

Isolate the pollution area, Set up warning signs, Suggest wearing a mask, wear overalls, protective gloves, sweeping up carefully and avoid dust, recycling.

6.1.2 For emergency responders:

Avoid skin and eye contact. Refer to section 8 of SDS for personal protection details.

6.2 Environmental precautions:

Avoid disposing into drainage/sewer system or directly into the aquatic environment. Keeping away from drains, surface-and ground-water and soil.

6.3 Methods and material for containment and cleaning up:

Sweep up or clean up with a vacuum cleaner. Combined with the local laws and regulations for processing.

6.4 Reference to other sections:

See Section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

Section 7 Handling and storage

7.1 Precautions for safe handling:

7.1.1 Protective measures:

Wear dust masks and protective gloves. Provide appropriate ventilation equipment . Have general fire protection measures.

7.1.2 Advice on general occupational hygiene:

Do not eat, drink and smoke in work areas. Wash hands after use. Remove contaminated clothing and protective equipment before entering eating areas.

7.2 Conditions for safe storage, including any incompatibilities:

Stored in shady and cool place, dry and ventilated, avoid direct sunlight, control the storage temperature under 35°C. Container holding closed.

7.3 Specific end use(s): Not available.

Section 8 Exposure controls/personal protection

8.1 Control parameters:

8.1.1 Occupational exposure limits:

EU OEL: Not established.

Germany DFG MAK(8hr TWA): Inhalable fraction 4mg/m3

UK HSE WEL(8hr TWA): Inhalable dust 10mg/m3,Respirable dust 4mg/m3

Sweden SWEA oel(liv): Dust and mist,organic total dust 5mg/m3

ACGIH TLV(TWA): Inhalable particulate 10mg/m3,Respirable particulate 3mg/m3

USA OSHA PEL(TWA): Total dust 15mg/m3,Respirable fraction 5mg/m3

8.1.2 Additional exposure limits under the conditions of use: Not available.

8.1.3 DNEL/DMEL and PNEC-Values: Not available.

8.2 Exposure controls:

8.2.1Appropriate engineering controls: Use adequate ventilation to keep airborne concentrations low.

8.2.2 Individual protection measures, such as personal protective equipment:

·**Eye/face protection:** Not normally required.

·**Skin protection**

Hand protection: Protective Gloves.

Body protection: Electrostatic suit.

·**Respiratory protection:** Dust respirator.

·**Thermal hazards:** Wear suitable protective clothing to prevent heat.

8.2.3 Environmental exposure controls: Avoid discharge into the environment. Dispose of rinse water in accordance with local and national regulations

Section 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties:

Physical state:	Solid powder
Colour:	Black
Odour:	Slight
Odour threshold:	Not available
pH:	Not available
Melting point/freezing point (°C):	100-150℃
Boiling point or initial boiling point and boiling range (°C):	333℃
Flash point (°C):	100℃
Evaporation rate:	Not available
Flammability limit - lower (%):	Not available
Flammability (gas, liquid, solid):	Not available
Ignition temperature (°C):	Not available
Lower and upper explosion limit:	Not available
Vapour pressure (20°C):	Not available
Relative vapour density:	Not available

Relative Density (g/cm3):	1.0-1.6
Bulk density (kg/m3):	Not available
Solubility in water (g/l, 20°C):	Not available
Solubility in other polar and non-polar solvents (g/l, 20°C):	Not available
Partition coefficient n-octanol/water(log Po/w, 20°C):	Not available
Auto-ignition temperature:	Not available
Decomposition temperature:	＞200℃
Kinematic viscosity (mm²/s):	Not available
Particle characteristics:	Not available
Explosive properties:	Finely dispersed particles form explosive mixture with air
Oxidising properties:	Not available

9.2. Other information:

Fat solubility(solvent– oil to be specified)etc: Not available

Surface tension: Not available

Dissociation constant in water(pKa): Not available

Oxidation-reduction Potential: Not available

Section 10 Stability and Reactivity

10.1 Reactivity: The substance is stable under normal storage and handling conditions.

10.2 Chemical stability: Stable at room temperature in closed containers under normal storage and handling conditions.

10.3 Possibility of hazardous reactions: No dangerous reactions known.

10.4 Conditions to avoid: Incompatible materials. Decomposition temperature:>200°C

10.5 Incompatible materials: Strong oxidant.

10.6 Hazardous decomposition products: CO,CO2, NOx

Section 11 Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

·**Acute toxicity:**

LD/LC50 values relevant for classification:	
CAS# 1333-86-4 Carbon Black	
LD50(Oral, Rat):	> 2000 mg/kg bw
LC50(Inhalation, Rat):	>4.6mg/m3 air
LD50(Dermal, Rat):	> 2000 mg/kg bw
CAS# 7631-86-9 Silicon Dioxide	
LD50(Oral, Rat):	> 5000 mg/kg bw

·**Skin corrosion/irritation:** Not classified

·**Serious eye damage/irritation:** Not classified

·**Respiratory or skin sensitization:** Not classified

·**Germ cell mutagenicity:** Ames test (Salmonella typhimurium, Escherichia coli) negative. (a similar product)

·**Carcinogenicity:** Not classified

·**Reproductive toxicity:** Not classified

·**STOT- single exposure:** Not classified

·**STOT-repeated exposure:** Not classified

·**Aspiration hazard:** Not classified

11.2 Information on other hazards

Endocrine disrupting properties： The mixture does not contain endocrine disruptor.

Other information： Not applicable

Section 12 Ecological information

12.1 Toxicity: Not available.

12.2 Persistence and degradability: Not available.

12.3 Bioaccumulative potential: Not available.

12.4 Mobility in soil: This product can not be discharged into the sewer and water, and optionally.

12.5 Results of PBT and vPvB assessment: The mixture does not contain PBT / vPvB substance.

12.6 Endocrine disrupting properties: The mixture does not contain endocrine disruptor.

12.7 Other adverse effects: Not available.

Section 13 Disposal considerations

13.1 Waste treatment methods:

The material should be disposed of by incineration in a chemical incinerator in compliance with national and regional requirements.

Section 14 Transport Information

	Land transport (ADR/RID)	Inland waterways (ADN)	Sea transport (IMDG)	Air transport (ICAO/IATA)
14. 1 UN number or ID number	Not regulated	Not regulated	Not regulated	Not regulated
14.2 UN proper shipping name	Not regulated	Not regulated	Not regulated	Not regulated
14.3 Transport hazard class(es)	Not regulated	Not regulated	Not regulated	Not regulated
14.4 Packing group	Not regulated	Not regulated	Not regulated	Not regulated
14.5 Environmental hazards	No	No	No	No
14.6 Special precautions for user	See section 2.2	See section 2.2	See section 2.2	See section 2.2
14.7 Maritime transport in bulk according to IMO instruments	Not regulated	Not regulated	Not regulated	Not regulated

Section 15 Regulatory information

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

Relevant information regarding authorization: Not applicable.

Relevant information regarding restriction: Not applicable.

Other EU regulations: Employment restrictions concerning young person must be observed. For use only by technically qualified individuals.

Other National regulations: Not applicable

15.2 Chemical Safety Assessment No

Section 16 Other information

16.1 Indication of changes:

Version 2.0 Amended by (EU) 2020/878, (EU) 2023/707

16.2 Abbreviations and acronyms:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

RID: Regulations concerning the International Carriage of Dangerous Goods by Rail

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

IMDG: Code international maritime dangerous goods code

ICAO: International Civil Aviation Organization

IATA: International Air Transport Association

UFI: Unique Formula Identifier

LC50: median lethal concentration

EC50: The effective concentration of substance that causes 50% of the maximum response.

NOEC: No Observed Effect Concentration

DNEL: derived no-effect level

PNEC: predicted no-effect concentration

16.3 Key literature references and sources for data

ECHA Registered substances data

16.4 Training instructions:

Not applicable.

16.5 Further information:

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

16.6 Notice to reader:

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgment of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.