

Safety Data Sheet

1、 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: VCLT003-M

Use: Toner for Printers and/ or Electrostatic Photocopying Systems

Manufacture's Name: Zhuhai Ninestar Information Technology Co., LTD

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2、 HAZARD IDENTIFICATION

GHS Classification

Physically chemical Hazardous Not applicable

Health Hazard Not applicable

Environmental Hazard Not applicable

GHS Label element

Symbol:None

Signal word: None

Hazard statements

Prevention:None

Response:None

Storage: None

Disposal: None

3.COMPOSITION INFORMATION ON INGREDIENTS

Ingredients	CAS No.	Wt%	OSHA PEL	ACGIHTLV
Styrene acrylate copolymer	25213-39-2	1-10	Not listed	Not listed
Polyester Resin	Trade Secret	80-95	Not listed	Not listed
Organic pigment	980-26-7	3-10	Not listed	Not listed
Carnauba Wax	8015-86-9	1-5	None	None
Amorphous Silica	7631-86-9	<2%	20mppcf	None

4. FIRST AID MEASURES

EYES: lush eyes immediately with plenty of water within 15 minutes.

If irritation persists,obtain medical advice.

SKIN:Wash with plenty waterand soap.

INGESTION:Rinse mouth and give several glasses of water. If irritation persists,obtain

Medical advice.

INHALATION:Move to fresh air.if irritation persists,obtain medical advice.

NOTE TO PHYSICAN:None.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

FLASH POINT:No data available

FLAMMABLE LIMITES

LEL: No data available

UEL: No data available

EXTINGUISHING MEDIA: CO2,dry chemical,water

UNSUITABLE EXTINGUISHING MEDIA: Do not use a solid water stream as it may scatter and Spread fire.

HAZARDOUS COMBUSTION PRODUCTS: CO₂,CO,Organic products of decomposition.

FIRE-FIGHTING EQUIPMENT:wear full bunker gear including a positive pressure self-contained breathing apparatus in case of burning in large quantities.

6.ACCIDENTAL RELEASE MEASURES

PRESONAL PRECAUTIONS:Minimize the release of particulates.Wear personal protective Equipment.Garmments may be washed or dry cleaned, after removal of loose toner.

ENVIRONMENT PRECAUTION:Do not allow this preparation to contaminate ground Water system.

METHOD FOR CLEANING UP:After spraying with water to prevent development of dusts, Spills Should be swept up or wiped up.Residuals can be removed with soap and water. Or sweep slowly spilled powder to paper and transfer into a suitable container for disposal.If sweep them with vacuum cleaner,must use a dust explosion-proof type.

7.HANDLING AND STORAGE

HANDLING: Avoid creating dust.Clean up all spills promptly. Inhalation and contact with skin or eyes should be avoided. Provide general ventilation.You should use or handle at the suitable place without smudges.

STORAGE: Archiving environment is ventilated well.Store in a cool and dry place,away from flames and spark-producing equipment.

8.EXPOSURE CONTROL/PERSONAL PROTECTION

Control parameters

OSHA PEL:TWA 5.0mg/m³(Inert of Nuisance Dust:Respirable fraction) 3/9

15.0 mg/m³(Inert of Nuisance Dust:Total dust)

ACGIH TLV:TWA(2013)

3.0mg/m³(Particulates Not Otherwise Specified:Respirable Particle Mass)

10.0mg/m³(Particulates Not Otherwise Specified:Inhalable Particle Mass)

Respiratory protection:In dusty atmospheres,use an approved dust respirator.

Skin protection:No precautions should be needed under normal use.

Eye protection: No precautions should be needed under normal use.

Control Parameters(Ingredients)

Ingredient Name	ACGIH	OSHA-PEL
	TLV-TWA(mg/m ³)	TWA(mg/m ³)
Amorphous Silica	--	20mppcf

Carnauba wax is not hazardous except for its flammable properties.but

“Carnauba wax fume” is one of hazardous chemicals. Its ACGIH TLVs(TWA)

and NIOSH RELs(TWA) is the same value(2mg/m³).

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:Magenta fine powder

Odor:Slight plastic odor

pH:No data

Melting point/freezing point: :No data

Initial boiling point and boiling range:Not applicable

Flash point: No data

Evaporation rate:Not applicable

Flammability(solid,gas): No data

Upper/lower flammability or explosive limits: No data

Vapour pressure: Not applicable

Vapour density: Not applicable

Relative density:ca. 1.2

Solubility in water:Negligible

Solubility(ies): No data

Partition coefficient:n-octanol/water : No data

Auto-ignition temperature: No data

Decomposition temperature: No data

Viscosity: No data

Explosive properties:Can form explosive dust-air mixtures when finely dispersed in air.

Oxidising properties: No data

10. STABILITY AND REACTIVITY

Stability and reactivity

Reactivity:None

Chemical stability:This is a stable product

Possibility of hazardous reactions:None

Conditions to avoid:None

Incompatible materials:Oxidizing materials

Hazardous decomposition products:Carbon oxides,hydrocarbons(by high Heat and fire)

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity:Not available

Skin corrosion/irritation:Not available

Eye corrosion/irritation: Not available

Skin sensitization: Not available

Mutagenicity:Negative in the Ames test(Estimated from the data of other

Products or information of constituent components from raw material Manufacturer.)

Carcinogenicity: Not available

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Reproductive toxicity:Not available

Repeated Dose Toxicity:

In a study in rats(H.Muhle)by chronic inhalation exposure to a typical toner, a mild to moderate degree of lung fibrosis was observed in 92% of the rats in the concentration(16mg/m³)exposure group,and a minimal to mild degree of fibrosis was noted in 22% of the animals in the middle(4mg/m³)exposure group.But no pulmonary changes was reported in the lowest(1mg/m³) exposure group,the most relevant level to potential human exposures.

12. ECOLOGICAL INFORMATION

Toxicity

Acute(short-term) toxicity:Not available

Chronic(long-term) toxicity:Not available

Persistence and degradability: Not available

Bioaccumulative potential: Not available

Mobility in soil: Not available

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Results of PBT and vPvB assessment:No results that the components of This toner meet the PBT or vPvB criteria under Regulation (EC)No 1907/2006.

Other adverse effects: Not available

13.DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD:(Review Section 6,7) Waste must be disposed of in accordance with country and local environmental control regulations .

14.TRANSPORT INFORMATION

TRANSPORT INFORMATION:This is no a hazardous product

UN No.: None allocated

UN Shipping Name: None allocated

UN Classification: None allocated

UN Packing Group: None allocated

IATA:Not regulated

DOT: Not regulated

15.REGULATORY INFORMATION

<USA Information>

TSCA:All chemical substances in this product comply with all applicable rules or orders under TSCA.

<EU Information>

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(EC)No 1907/2006 Authorisations on use:Not regulated

Restrictions on use: Not regulated

(EC) No 1272/2008

Classification:None

Hazard Class and Category Code(S) :None

Hazard statement Code(s):None

16.OTHER INFORMATION

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This above information describes exclusively the safety requirements of
The product and is based on our present-day knowledge. It does not
represent a guarantee for the properties of the product described in terms
of the legal warranty.