



Safety Data Sheet 58394601

Date SDS Issued: May 20, 2015

Date SDS Revised: May 20, 2015

SDS Revision Number 1

1. Identification of Substance and Company

Product Identification

Product Name: Cyan Developer for CX1145

Recommended Use: Carrier medium for toner

Details of Company

Name: Oki Data Americas, Inc.
Address: 2000 Bishops Gate Blvd
Mount Laurel, NJ 08054
US
Phone Number: 1-800-654-3282
Fax Number: 1-856-222-5247
Email Address: support@okidata.com
Emergency Phone Number: 1-800-654-3282

2. Hazard(s) Identification

Classification

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

GHS Label elements

Emergency Overview

Signal Word None

Hazard Statement None

Color: Cyan

Physical State: Granular Powder

Odor: None

Precautionary Prevention Statement:

Obtain instructions before use.

Precautionary Response Statement

None

Precautionary Storage Statement

Keep away from children.

Precautionary Disposal Statement

None

Other Information

None

Interactions with Other Chemicals

None known

3. Composition Information

| Chemical Name | CAS Number | Weight | Trade Secret |
|---|--------------|--------|--------------|
| Ceramic material and wares, chemicals (Ferrite) | 66402-68-4 | > 90 % | |
| Polyester resin | Trade Secret | < 10 % | * |
| Organic Pigment | Trade Secret | < 1 % | * |
| Amorphous Silica | 7631-86-9 | < 1 % | |

* The exact percentage or CAS Number has been withheld as a trade secret

4. First Aid Measures

| | |
|--|--|
| Eye Contact | Immediately flush eyes with plenty of water for at least 15 minutes. If irritation persists or concerned see a physician. |
| Skin Contact | Wash with soap and water. If irritation occurs or is persistent, seek medical attention. |
| Inhalation | Remove from exposure area to fresh air immediately. Seek medical attention if there is any difficulty in breathing or other signs of respiratory distress. |
| Ingestion | Drink several glass of water to dilute stomach contents. |
| Most Important Symptoms and Effects | No information is available. |

Notes to Physician:

Treat systematically.

5. Fire Fighting Measures**Suitable Extinguishing Media**

Foam, carbon dioxide, dry chemical, and water fog

Unsuitable Extinguishing Media

None known

Specific Hazards Arising from Chemicals

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

Hazardous Combustion Products

None known

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. Accidental Release Measures**Personal Precautions, Protective Equipment, and Emergency Procedures:**

Wear proper protective equipment. Avoid breathing dust.

Methods for Containment:

Prevent further leakage or spillage if situation is safe to do so.

Methods for Cleanup:

Use spark free vacuum to clean spilled toner/developer and carefully transfer into sealable waste container. If no spark free vacuum cleaner is available, sweep slowly to minimize generation of dust during clean up. Residue can be removed with soap and cold water.

7. Handling and Storage

Precautions for Safe Handling:

Do not breath dust

Conditions for Safe Storage:

Keep Cool

Store in a dry place

Keep out of reach of children

Incompatible Products:

None known

8. Exposure Controls/Personal Protection

Exposure Limits:

| Chemical Name | CAS Number | OSHA PEL | NIOSH IDLH |
|------------------|------------|----------|---------------------|
| Amorphous Silica | 7631-86-9 | Unknown | 2 mg/m ³ |

OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits NIOSH IDLH Immediately Dangerous to Life or Health

Engineering Measures:

None if used as intended.

Individual Protection

Eye/Face Protection Not required when use as intended.

Skin/Body Protection Not required when use as intended.

Respiratory Protection Not required when use as intended.

Hygiene Measures Wash hands after installation

9. Physical and Chemical Properties

| <u>Property</u> | <u>Value</u> | <u>Remarks/Methods</u> |
|-------------------------------|-------------------|------------------------|
| Appearance | Granular Powder | |
| Color | Cyan | |
| Odor | None | |
| Odor Threshold | None | |
| pH | No data available | |
| Melting/Freezing point | No data available | |
| Initial Boiling point | No data available | |
| Boiling Range | No data available | |
| Flash point | No data available | |
| Evaporation Rate | No data available | |
| Flammability | No data available | |

Flammability or Explosive

| | | |
|----------------------------------|---------------------------|--|
| Upper Limit | No data available | |
| Lower Limit | No data available | |
| Vapor Pressure | No data available | |
| Vapor Density | No data available | |
| Relative Density | 4.5-5.5 g/cm ³ | |
| Solubility(ies) | Insoluble | Water Solubility is the only known Solubility. |
| Partition Coefficient | | |
| n-octanol | No data available | |
| water | No data available | |
| Auto-ignition Temperature | No data available | |
| Decomposition Temperature | No data available | |
| Viscosity | No data available | |

10. Stability and Reactivity

Reactivity:

No data available

Chemical Stability:

Stable

Possibility of Hazardous Reactions:

None under intended use

Conditions to Avoid:

No data available

Incompatible Materials:

None under intended use

Hazardous Decomposition Products:

None

11. Toxicology Information

Product Information

| | |
|---------------------|--|
| Inhalation | Specific test data for the mixture is not available. |
| Eye Contact | Specific test data for the mixture is not available. |
| Skin Contact | Specific test data for the mixture is not available. |
| Ingestion | Specific test data for the mixture is not available. |

Component Information

| Chemical Name | Oral LD50 | Dermal LD50 | Inhalation LD50 |
|---------------------------|---------------------------|-------------|-------------------------|
| Cyan Developer for CX1145 | > 2,500 mg/kg (Estimated) | | > 5.11 mg/L (Estimated) |

| | |
|--------------------------|--------------------------|
| Symptoms | No information available |
| Sensitization | Non-sensitizer |
| Mutagenic Effects | Negative in Ames Test |

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.

| Chemical Name | ACGIH | IARC | NTP | OSHA |
|------------------|-------|---------|-----|------|
| Amorphous Silica | | Group 3 | | |

Reproductive Toxicity No information available

STOT – single exposure No information available

STOT – repeated exposure No information available

Chronic Toxicity In 1997, the IARC evaluated Amorphous Silica as a Group 3 Carcinogen since Amorphous Silica has no evidence presently as causing cancer to humans. In a study in rats 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 high concentration (16 mg/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. These findings are attributed to "lung overloading", a general response to excessive amounts of any dust retained in the lungs for a prolonged period.

Target Organ Effects No information available

Numerical measurements of toxicity:

Not applicable

12. Ecological Information

Ecotoxicity: No information available

Persistence and Degradability:

Specific test data for the mixture is not available.

Bioaccumulation:

Specific test data for the mixture is not available.

Other Adverse Effects:

None known

13. Disposal Considerations

Disposal Methods:

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Contaminated Packaging:

Dispose of as unused product

California Waste Code 181

14. Transportation Information

| | |
|-----------------------------|---------------|
| DOT | Not regulated |
| Proper Shipping Name | Not regulated |
| Hazard Class | N/A |
| TDG | Not regulated |
| MEX | Not regulated |
| ICAO | Not regulated |
| IATA | Not regulated |
| Proper Shipping Name | Not regulated |
| Hazard Class | N/A |
| IMDG/IMO | Not regulated |
| Hazard Class | N/A |
| RID | Not regulated |
| ADR | Not regulated |
| ADN | Not regulated |

15. Regulatory Information

US Federal Regulations

SARA 313:

| Chemical Name | CAS Number | Concentration |
|---------------|------------|---------------|
| None | | |

US State Regulations

California Proposition 65:
Not Regulated

US State Right to Know Regulations

| Chemical Name | New Jersey | Massachusetts | Pennsylvania | Rhode Island |
|--|------------|---------------|--------------|--------------|
| Ceramic material and wares, chemicals (Ferrite) | | | X | X |
| Amorphous Silica | X | X | X | |

International Regulations

Canada

WHMIS Hazard Classification:
Non-controlled

International Inventories

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

DSL/NDSL All chemical substances in this product are exempt from DSL/NDSL chemical Inventory listing requirements.

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

16. Other Information

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Revision Note No information available

Disclaimer

This bulletin cannot cover all possible situations, which the user may experience when using this product. Each aspect of your operation must be examined concerning if, or where, additional precautions may be necessary. All health and safety information contained in this bulletin must be provided to your employees or customers. It is your responsibility to use this information to develop appropriate work practice guidelines and employee instructional programs for your operation.