



Safety Data Sheet 58394401

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: Yellow 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: Yellow	Physical State: Granulate 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 materials 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, call 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. Contact a physician 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	Granule Powder	
Color	Yellow	
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 – 5.5g/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		

10. Stability and Reactivity

Reactivity:

No data available

Chemical Stability:

Stable

Possibility of Hazardous Reactions:

None

Conditions to Avoid:

No data available

Incompatible Materials:

None

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
Yellow Developer for CX1145	> 2,500 mg/kg (Estimated)		5.13 mg/l (Estimated)

Symptoms No information available

Sensitization Non-sensitizer

Mutagenic Effects Negative in an 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 Hazardous 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
Amorphous Silica	X	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/NDL - Canadian Domestic Substances List/Non-Domestic Substances List

16. Other Information

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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.