

# MATERIAL SAFETY DATA SHEET (MSDS)

**TONER CARTRIDGE (Clear toner) for**

**C941 series**

**ES9541 series**

# Oki Data Corporation

## MATERIAL SAFETY DATA SHEET

### 1. Identification of the substance/preparation and of the company/undertaking

Product name : Clear Toner Cartridge for  
C941 series  
ES9541 series

Manufacturer : Oki Data Corporation  
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Emergency e-mail contact : [MSDSQuestions@okieurope.com](mailto:MSDSQuestions@okieurope.com)

### 2. Hazards identification

#### GHS CLASSIFICATION

PHYSICAL HAZARDS : Not classified

HEALTH HAZARDS

ACUTE TOXICITY(Oral) : Not classified

ACUTE TOXICITY(Dermal) : Classification not possible

ACUTE TOXICITY(Inhalation) : Classification not possible

SKIN CORROSION / IRRITATION : Not classified

SERIOUS EYE DAMAGE / EYE IRRITATION : Classification not possible

RESPIRATORY SENSITIZATION : Classification not possible

SKIN SENSITIZATION : Not classified

GERM CELL MUTAGENICITY : Classification not possible

CARCINOGENICITY : Classification not possible

REPRODUCTIVE TOXICITY : Classification not possible

SPECIFIC TARGET ORGAN SYSTEMIC TOXICITY

- SINGLE EXPOSURE : Classification not possible

- REPEATED EXPOSURE : Classification not possible

ASPIRATION HAZARD : Classification not possible

ENVIRONMENTAL HAZARDS

HAZARDOUS TO THE AQUATIC ENVIRONMENT

- ACUTE TOXICITY : Classification not possible

- CHRONIC TOXICITY : Classification not possible

GHS LABEL ELEMENTS : Not applicable

### 3. Composition/information on ingredients

SUBSTANCE / MIXTURE : Mixture

#### INGREDIENTS AND CONCENTRATION RANGE :

Ingredients	Concentration Range(%)	CAS RN
Polyester resin	80~90	Confidential
Wax	2~10	8002-74-2
Silica	1~5	67762-90-7
Titanium dioxide	0.1~0.9	13463-67-7

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

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### 4. First aid measures

Eye contact	:	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids.
Skin contact	:	Gently wash with plenty of soap and water. If exposed or concerned: Get medical attention/advice.
Inhalation	:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention/advice.
Ingestion	:	Wash out mouth with water. Get medical attention/advice. Do not induce vomiting unless directed to do so by medical personnel.

### 5. Fire fighting measures

EXTINGUISHING MEDIA	:	Use water spray or powder extinguishing media.
NOT SUITABLE EXTINGUISHING	:	No information available
Special hazards	:	There have possibilities to generate irritating or toxic gases.
Advice for firefighters	:	Keep away from sources of ignition and use the appropriate extinguishing media. Fight fire from upwind position if possible.
PROTECTION OF FIRE FIGHTERS	:	Use appropriate protective equipment, goggles, dust mask, and another protections depending on the situation.

### 6. Accidental release measures

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURE	:	- Use appropriate protective equipment, mask, goggles, protective gloves...etc - When large spills, evacuate person to safe place. - Provide adequate ventilation. - Operate from upwind position.
ENVIRONMENTAL PRECAUTIONS	:	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
METHODS FOR CLEANING UP	:	Vacuum or sweep up the material. Use spark-proof tools and explosion-proof equipment.
PREVENTION OF SECONDARY HAZARDS	:	No information available

### 7. Handling and storage

Handling		
TECHNICAL MEASURES	:	No special equipment are necessity for operating under usual conditions.
PRECAUTIONS	:	Avoid inhalation of fine dust.
SAFE HANDLING ADVICE	:	- Provide adequate ventilation. - Wash hands after handling. - Use appropriate protective equipment as required.
Storage		
SUITABLE STORAGE CONDITIONS	:	- Store in hermetically-sealed container. - Protected from direct sunlight in a dry, cool and well-ventilated area. - Do not store above the following temperature:40°C (104°F).
SAFE PACKAGING MATERIALS	:	No information available

### 8. Exposure controls/personal protection

ENGINEERING MEASURES	:	No special equipment are necessity for operating under usual conditions. Use local exhaust ventilation, in the case of dust discharging.
LIMIT VALUES		
ACGIH (TLV)	:	Toner: 10mg/m3 TWA(inhalable particles, recommended); 3mg/m3 TWA(respirable particles,recommended) Paraffin wax fume: TWA 2mg/m3
OSHA (PEL)	:	Toner: 15mg/m3 TWA (total dust); 5mg/m3 TWA (respirable fraction) Amorphous silica: 80% SiO 2mg/m3
PERSONAL PROTECTIVE EQUIPMENT		
RESPIRATORY PROTECTION	:	Use dust mask up to the situation.
HAND PROTECTION	:	Use rubber gloves up to the situation.
EYE PROTECTION	:	Use safety glasses or goggles up to the situation.
SKIN AND BODY PROTECTION	:	Wear protective suit up to the situation.
HYGIENE MEASURES	:	No information available

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### 9. Physical and chemical properties

#### PHYSICAL STATES

FORM	:	Powder
COLOUR	:	White
ODOUR	:	Odourless
pH	:	Not applicable

#### SPECIFIC TEMPERATURES / TEMPERATURE RANGES AT WHICH CHANGES IN PHYSICAL STATE OCCUR

BOILING POINT	:	No information available
MELTING POINT	:	No information available
FLASH POINT	:	Not applicable

#### FLAMMABILITY OR EXPLOSIVE PROPERTIES

FLAMMABILITY OR EXPLOSIVE LIMITS	:	UPPER LIMIT : No information available LOWER LIMIT : No information available
VAPOUR PRESSURE	:	No information available
VAPOUR DENSITY	:	No information available
SPECIFIC GRAVITY(DENSITY)	:	1.2 g/mL

#### SOLUBILITY

WATER SOLUBILITY	:	Insoluble
SOLVENT SOLUBILITY	:	Partially soluble in toluene, chloroform and tetrahydrofuran.
PARTITION COEFFICIENT : n-OCTANOL / WATER (log Pow)	:	No information available
AUTO-IGNITION TEMPERATURE	:	No information available
ODOUR THRESHOLD	:	No information available
EVAPORATION RATE	:	No information available
FLAMMABILITY(SOLID,GAS)	:	No information available
VISCOSITY	:	No information available
OTHER DATA	:	No information available

### 10. Stability and reactivity

CHEMICAL STABILITY	:	Stable in general.
POSSIBILITY OF HAZARDOUS REACTIONS	:	Stable.
CONDITIONS TO AVOID	:	No information available
INCOMPATIBLE MATERIALS	:	Oxidizing materials
HAZARDOUS DECOMPOSITION PRODUCTS	:	No information available
OTHERS	:	No information available

### 11. Toxicological information

#### ACUTE TOXICITY

Oral	:	Rat, LD50 : > 2000mg/kg
Dermal	:	No information available
Inhalation	:	No information available
SKIN CORROSION / IRRITATION	:	Rabbit, OECD404 : Mild (Draize)
SERIOUS EYE DAMAGE / IRRITATION	:	No information available

#### RESPIRATORY OR SKIN SENSITIZATION

RESPIRATORY	:	No information available
SKIN	:	Mouse, OECD429 : Negative (LLNA)

MUTAGENICITY(GERM CELL) : Ames test (TA98, TA100, TA1535, TA1537, WP2uvrA) : Negative

CARCINOGENICITY : No information available

REPRODUCTIVE TOXICITY : No information available

#### SPECIFIC TARGET ORGAN SYSTEMIC TOXICITY

- SINGLE EXPOSURE	:	No information available
- REPEATED EXPOSURE	:	Slight pulmonary fibrosis has been reported in rats upon chronic inhalation exposure to a toner at 4mg/m <sup>3</sup> every day for 2 years. No pulmonary change was found at 1mg/m <sup>3</sup> . These findings show that exposure to excessive amounts of powder may cause damage to lungs. However, normal use and handling of this product as intended, does not result in inhalation of excessive amounts of powder.

ASPIRATION HAZARD : No information available

OTHER INFORMATION : No information available

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### 12. Ecological information

ECOTOXICITY	:	No information available
PERSISTENCE / DEGRADABILITY	:	No information available
MOBILITY IN SOIL	:	No information available
BIOACCUMULATIVE POTENTIAL	:	No information available
OTHER ADVERSE EFFECTS	:	No information available

### 13. Disposal considerations

Review "HANDLING AND STORAGE(Section7)".

Dispose this article comply with the regulations of each countries.

### 14. Transport information

INTERNATIONAL REGULATIONS		
UN CLASS / UN NUMBER	:	Not applicable
SPECIAL PRECAUTIONS FOR USEI	:	Review "ACCIDENTAL RELEASE MEASURES (Section6)". Review "HANDLING AND STORAGE (Section7)". Ensure containers without breakage or leakage. Ensure containers tightly fixed. Avoid heating (keep under 40°C). Comply with the regulations of international and each countries.

### 15. Regulatory information

INVENTORIES	:	ENCS(Japan)	Yes
		TSCA(USA)	Yes
		EINECS(EU)	Yes
		AICS(Australia)	Yes
		DSL(Canada)	Yes
		ECL(Korea)	Yes
		PICCS(Philippines)	Yes
		IECSC(China)	Yes

All ingredients are registered under The industrial Chemicals (Notification and Assessment ) Act 1989 , or under the polymer exemption.

All ingredients are exempt, registered or considered polymer under The Australian Inventory of Chemical Substances (AICS).  
with Directive NIC504735 : not classified.

Not every regulatory information for each countries can not be identified, please conform and comply regulations in your country or region, on your own responsibility.

### 16. Other information

REFERENCES	:	-Safety data sheet for chemical products - Part 1: Content and order of sections(ISO 11014-1) -International Chemical Safety Cards(ICSC)(Compiler's Guide)(1994)
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To the best of the manufacturer's knowledge,the information contained herein is accurate.  
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Such information may be (without limitation) invalid if the specified material is used in combination with another ,in a particular process, or under unusual conditions.

Determination of suitability of any material for any given purpose is the sole responsibility of the user who assumes all risk and responsibility therefore.

All materials may present unknown hazards and should be used with appropriate caution.

The manufacturer cannot and does not guarantee that the hazards described herein are the only ones that exist.