

Material Safety Data Sheet

Toner Powder : ODT-1

**For : B411 / B431 series
B840 series**

Oki Data Corporation

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SAFETY DATA SHEET

ODT-1

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

Product name : ODT-1
Code : -
Manufacturer : Oki Data Corporation
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2. Hazards identification

MOST IMPORTANT HAZARDS AND EFFECTS :
GHS CLASSIFICATION PHYSICAL HAZARDS HEALTH HAZARDS : Not classified
ACUTE TOXICITY(Oral) : Not classified
ACUTE TOXICITY(Dermal) : Not classified
ACUTE TOXICITY(Inhalation) : Not classified(Vapours)
SKIN CORROSION / IRRITATION : Not classified
SERIOUS EYE DAMAGE / EYE IRRITATION : Not classified
RESPIRATORY SENSITIZATION : Classification not possible
SKIN SENSITIZATION : Classification not possible
GERM CELL MUTAGENICITY : Classification not possible
CARCINOGENICITY : Category 2(Inhalation)
REPRODUCTIVE TOXICITY : Classification not possible
SPECIFIC TARGET ORGAN SYSTEMIC TOXICITY
- SINGLE EXPOSURE : Classification not possible
- REPEATED EXPOSURE : Category 1(lung-Inhalation)
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
PICTOGRAMS OR SYMBOLS : 
SIGNAL WORD : Danger
HAZARD STATEMENTS : Suspected of causing cancer(inhalation)
Causes damage to organs through prolonged or repeated exposure(lung-inhalation)
PRECAUTIONARY STATEMENTS
PREVENTION : Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Do not breathe dust/fume/gas/mist/vapours/spray.
Do not eat, drink or smoke when using this product.
Wash thoroughly after handling.
Use personal protective equipment as required.
RESPONSE : IF IN EYES:Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF ON SKIN:Gently wash with plenty of soap and water.
IF exposed or concerned:Get medical attention/advice.

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STORAGE	:	Store locked up. Protect from sun. Store in a well-ventilated room(under 40 C).
DISPOSAL	:	Passed to a licensed waste contractor.
SAFE HANDLING ADVICE	:	

3. Composition/information on ingredients

SUBSTANCE / MIXTURE : Mixture

INGREDIENTS AND CONCENTRATION RANGE

Ingredients	Concentration Range(%)	CAS RN
Polyester resin	80 - 95	Confidential
Carbon Black	1 - 5	1333-86-4

4. First aid measures

IN CASE OF EYE CONTACT	:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IN CASE OF SKIN CONTACT	:	Gently wash with plenty of soap and water. If exposed or concerned: Get medical attention/advice. Get medical attention/advice if you feel unwell.
IN CASE OF INHALATION	:	Remove to fresh air and keep at rest in a position comfortable for breathing. IF exposed or concerned: Get medical attention/advice. Get medical attention/advice if you feel unwell.
IN CASE OF INGESTION	:	IF exposed concerned: Get medical attention/advice. Get medical attention/advice if you feel unwell.

5. Fire-fighting measures

EXTINGUISHING MEDIA	:	Water spray, powder
NOT SUITABLE EXTINGUISHING MEDIA	:	No information available
SPECIFIC HAZARDS	:	May produce irritating or toxic gases in a fire.
SPECIFIC METHODS	:	Keep away from sources of ignition and use appropriate extinguishing media. Fight fire from upwind position if possible.
PROTECTION OF FIRE FIGHTERS	:	Use goggles in combination with dust mask, and another protections as appropriate to situation.

6. Accidental release measures

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURE	:	Use mask, goggles and protective gloves. Large spills: Remove person to safety. Ensure adequate ventilation. Treat from upwind position.
ENVIRONMENTAL PRECAUTIONS	:	Do not discharge into the drains, surface waters or ground water directly.
METHODS FOR CLEANING UP	:	Prevent dispersion of dust. Sweep or vacuum by dust-explosion-proof type cleaner.
PREVENTION OF SECONDARY HAZARDS	:	No information available

7. Handling and storage

Handling

TECHNICAL MEASURES	:	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.
PRECAUTIONS	:	Avoid inhalation of fine dust. Use an adequate ventilation. Wash thoroughly after handling.
SAFE HANDLING ADVICE	:	Use personal protective equipment as required. Do not breathe dust/fume/gas/mist/vapours/spray. Do not eat, drink or smoke when using this product.

Storage

SUITABLE STORAGE CONDITIONS	:	Store locked up. Keep container tightly closed. Protect from sun. Store in a well-ventilated room(under 40 C).
SAFE PACKAGING MATERIALS	:	No information available

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8. Exposure controls/personal protection

ENGINEERING MEASURES	:	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use local exhaust ventilation, in case of generation of dust.
LIMIT VALUES		
ACGIH(TLV)	:	3.5 mg/m ³ TWA Carbon black 10 mg/m ³ TWA(inhalable particles, recommended); 3 mg/m ³ TWA (respirable particles, recommended)(Particulates(insoluble or poorly soluble) not otherwise specified(PNOS))
OSHA(PEL)	:	3.5 mg/m ³ TWA Carbon black 15 mg/m ³ TWA(total dust); 5 mg/m ³ TWA(respirable fraction) (Particulates not otherwise regulated)
PERSONAL PROTECTIVE EQUIPMENT		
RESPIRATORY PROTECTION	:	Use dust mask, as appropriate to situation.
HAND PROTECTION	:	Rubber gloves
EYE PROTECTION	:	Safety glasses with side shield(Safety goggles or Face shield)
SKIN AND BODY PROTECTION	:	Full-body suit
HYGIENE MEASURES	:	No information available

9. Physical and chemical properties

PHYSICAL STATES		
FORM	:	Powder
COLOUR	:	Black
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	:	No information available
HAZARDOUS DECOMPOSITION PRODUCTS	:	No information available
OTHERS	:	No information available

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11. Toxicological information

ACUTE TOXICITY

Oral

INFORMATION ON PRODUCT : Rat, LD50 : 2000 - 5000 mg/kg

Dermal

INFORMATION ON PRODUCT : No information available

INFORMATION ON INGREDIENTS : No information available

Inhalation

INFORMATION ON PRODUCT : No information available

INFORMATION ON INGREDIENTS : No information available

SKIN CORROSION / IRRITATION

INFORMATION ON PRODUCT : No information available

INFORMATION ON INGREDIENTS : No information available

SERIOUS EYE DAMAGE / IRRITATION

INFORMATION ON PRODUCT : No information available

INFORMATION ON INGREDIENTS : No information available

RESPIRATORY OR SKIN SENSITIZATION

RESPIRATORY

INFORMATION ON PRODUCT : No information available

INFORMATION ON INGREDIENTS : No information available

SKIN

INFORMATION ON PRODUCT : No information available

INFORMATION ON INGREDIENTS : No information available

MUTAGENICITY(GERM CELL MUTAGENICITY)

INFORMATION ON PRODUCT : Ames test (TA98, TA100, TA1535, TA1537, TA1538, WP2uvrA) : Negative

INFORMATION ON INGREDIENTS : No information available

CARCINOGENICITY

INFORMATION ON PRODUCT : No information available

INFORMATION ON INGREDIENTS : Carbon black : Category 2(Inhalation); Ref.(1)

IARC : Group 2B : Possibly carcinogenic to humans.
Carbon black

NTP : Not listed

EU : Not listed

OSHA : Not listed

REPRODUCTIVE TOXICITY

INFORMATION ON PRODUCT : No information available

INFORMATION ON INGREDIENTS : No information available

SPECIFIC TARGET ORGAN SYSTEMIC TOXICITY

- SINGLE EXPOSURE

INFORMATION ON PRODUCT : No information available

INFORMATION ON INGREDIENTS : No information available

- REPEATED EXPOSURE

INFORMATION ON PRODUCT : No information available

INFORMATION ON INGREDIENTS : Carbon black : Category 1(lung-Inhalation); Ref.(1)

ASPIRATION HAZARD

INFORMATION ON PRODUCT : No information available

INFORMATION ON INGREDIENTS : No information available

OTHER INFORMATION

: No information available

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)".

Passed to a licensed waste contractor.

This product may cause risk of dust explosion.

Dispose of waste in accordance with local,state and federal regulations.

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14. Transport information

Follow all regulations in your country or region.

INTERNATIONAL REGULATIONS

UN CLASS / UN NUMBER : Not applicable
SPECIAL PRECAUTIONS FOR USE : Review "ACCIDENTAL RELEASE MEASURES(Section6)".
Review "HANDLING AND STORAGE(Section7)".
Eusure containers without breakage or leakage.
Eusure containers tightly fixed.
Follow all regulation in your country or region.
Avoid heating(keep under 40 C).

15. Regulatory information

Follow all regulations in your country or region.

INVENTORIES	:	ENCS(Japan)	Yes
		TSCA(USA)	Yes
		EINECS(EU)	No(ELINCS)
		AICS(Australia)	Yes
		DSL(Canada)	No(NDSL)
		ECL(Korea)	Yes
		PICCS(Philippines)	Yes
		IECSC(China)	Yes

OKI Data Corporation is not able to check up the regulatory information in regard to the substances in your country or region, therefore, we request this matter would be filled by your 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)(1)GHS Classification
Database, National Institute of Technology and Evaluation(NITE)

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