



Material Safety Data Sheet

Toner Type : ODW-1

For Models :

C711WT / ES7411WT

C920WT / ES9420WT

C911 / ES9411

C931 / ES9431

C941 / ES9541

Oki Data Corporation

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MATERIAL SAFETY DATA SHEET

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

Product name : ODW-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 : Category 2B

RESPIRATORY SENSITIZATION : Classification not possible

SKIN SENSITIZATION : Classification not possible

GERM CELL MUTAGENICITY : Classification not possible

CARCINOGENICITY : Classification not possible

REPRODUCTIVE TOXICITY : Classification not possible

SPECIFIC TARGET ORGAN SYSTEMIC TOXICITY

- SINGLE EXPOSURE : Category 3 (respiratory tract irritation)

- 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 : Causes eye irritation
May cause respiratory irritation; or May cause drowsiness and dizziness
Causes damage to organs through prolonged or repeated exposure(lung-inhalation)

PRECAUTIONARY STATEMENTS

PREVENTION : Do not breathe dust/fume/gas/mist/vapours/spray.
Use only outdoors or in a well-ventilated area.
Do not eat, drink or smoke when using this product.
Wash thoroughly after handling.

RESPONSE : **IF INHALED:** Remove to fresh air and keep at rest in a position comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists, get medical advice/attention.
IF ON SKIN:Gently wash with plenty of soap and water.
Get medical attention/advice if you feel well.

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STORAGE	:	Store container tightly closed in well-ventilated place. 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	:	Refer to MSDS.

3. Composition/information on ingredients

SUBSTANCE / MIXTURE : Mixture

INGREDIENTS AND CONCENTRATION RANGE

Ingredients	Concentration Range(%)	CAS RN
Polyester resin	Confidential	Confidential
Titanium dioxide	Confidential	13463-67-7
Other components	Confidential	

4. First aid measures

IN CASE OF INHALATION	:	Remove to fresh air and keep at rest in a position comfortable for breathing. Get medical attention/advice if you feel unwell.
IN CASE OF SKIN CONTACT	:	Gently wash with plenty of soap and water. Get medical attention/advice if you feel unwell.
IN CASE OF EYE CONTACT	:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention. Get medical attention/advice if you feel unwell.
IN CASE OF INGESTION	:	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.
SAFE HANDLING ADVICE	:	Use an adequate ventilation. Wash thoroughly after handling. 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. Prevent generation of dust. This material may cause risk of dust explosion.
Storage		
SUITABLE STORAGE CONDITIONS	:	Keep container tightly closed. Protect from sun. Store in a well-ventilated room (under 40 C). Store locked up.
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.
LIMIT VALUES		
ACGIH(TLV)	:	10 mg/m ³ TWA Titanium dioxide 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)	:	15 mg/m ³ TWA (total dust) Titanium dioxide 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	:	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
DENSITY (SPECIFIC GRAVITY)	:	2.0 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
DECOMPOSITION 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

11. Toxicological information

ACUTE TOXICITY

Oral
INFORMATION ON PRODUCT : Rat, Female, LD50 : > 2000 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 : Titanium dioxide: Category 2B; Ref.(1)

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 : No information available

IARC : Group 2B : Possibly carcinogenic to humans.
Titanium dioxide

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 : Titanium dioxide: Category 3 (respiratory tract irritation); Ref.(1)

- REPEATED EXPOSURE

INFORMATION ON PRODUCT : No information available
INFORMATION ON INGREDIENTS : Titanium dioxide: 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)	Yes
		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)

(1)GHS Classification Database, National Institute of Technology and Evaluation (NITE)

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