

MSDS For **OKIDATA 182 BLACK RIBBON CASSETTE**-----
Section III - Physical/Chemical Characteristics

BOILING POINT OF INK: 680 °F
VAPOR PRESSURE OF INK (mm Hg): 1.0
VAPOR DENSITY OF INK (AIR=1): 9.74
SOLUBILITY IN WATER: Negligible
SPECIFIC GRAVITY OF INK (H₂O=1): 0.997
MELTING POINT: N/A
EVAPORATION RATE (Butyl Acetate=1): N/A
APPEARANCE AND ODOR: Plastic cassette containing black inked nylon ribbon.

Section IV - Fire and Explosion Hazard Data

FLASH POINT (METHOD USED): > 365 °F (ink)
FLAMMABLE LIMITS- LEL: N/A UEL: N/A
EXTINGUISHING MEDIA: Carbon dioxide, dry chemical, foam or water.
SPECIAL FIRE FIGHTING PROCEDURES: Fire fighters should use self-contained breathing apparatus with a full facepiece operating in a positive pressure mode and the proper protective equipment. Extinguishers for other burning materials in the area is normally sufficient to stop burning of ribbon cassettes.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Very sooty opaque smoke. Products of combustion are primarily carbon monoxide and carbon dioxide.

Section V - Reactivity Data

STABILITY- UNSTABLE:
STABLE: X
CONDITIONS TO AVOID: Extreme heat

INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizing agents

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Oxides of carbon and nitrogen

HAZARDOUS POLYMERIZATION- MAY OCCUR:
WILL NOT OCCUR: X
CONDITIONS TO AVOID: None

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Section VI - Health Hazard Data

ROUTE(S) OF ENTRY: INHALATION? No SKIN? Yes INGESTION? Unlikely

HEALTH HAZARDS (ACUTE AND CHRONIC):

Acute - Ink may cause skin or eye irritation.

Chronic - not known

Contains trace amount of Michler's Ketone (in the ink) which the national toxicology program (NTP) concluded was carcinogenic to rats and mice in lifetime feeding studies.

CARCINOGENICITY: NTP? No IARC MONOGRAPHS? No OSHA REGULATED? No

SIGNS AND SYMPTOMS OF EXPOSURE: See health hazards above

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None known.

EMERGENCY AND FIRST AID PROCEDURES: Flush eyes for at least 15 minutes, get medical attention. For prolonged skin contact, wash the affected areas thoroughly with soap and water. Remove and launder contaminated clothing before reuse. If swallowed, DO NOT induce vomiting. Get medical attention. Remove to fresh air.

Section VII - Precautions for Safe Handling and Use

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Pick up to prevent a slip hazard. Clean up any ink marks to prevent staining.

WASTE DISPOSAL METHOD: Normal solid waste disposal (trash).

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Wear gloves to prevent staining.

OTHER PRECAUTIONS: None

Section VIII - Control Measures

RESPIRATORY PROTECTION (SPECIFY TYPE): None

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Section VIII - Control Measures (continued)

VENTILATION: Adequate ventilation should be sufficient
LOCAL EXHAUST: N/A SPECIAL: N/A
MECHANICAL(GENERAL): Sufficient OTHER: N/A

PROTECTIVE GLOVES: To prevent staining
EYE PROTECTION: Not required
OTHER PROTECTIVE CLOTHING OR EQUIPMENT: None
WORK/HYGIENIC PRACTICES: Follow normal hygiene practice.

Section IX - Environmental and Regulatory Data

LABELS: See warning labels on packaging for further information.

ECOLOGICAL INFORMATION: Recycling is successful at reducing the amount of waste going to the landfills as does incineration.

WORKPLACE CLASSIFICATION: This product has substances listed in the hazardous materials section and also there is a slight chance for exposure. This means that this product is either a health hazard (exhibits one or more of the following criteria: irritant, sensitizer, corrosive, carcinogen, toxic, or has a target organ effect); or this product is a physical hazard (meets one or more of the following classifications: combustible liquids, compressed gases, explosives, flammables, organic peroxides, oxidizers, pyrophorics, unstabes, or water reactive).

EMERGENCY PLANNING & COMMUNITY RIGHT-TO-KNOW (SARA TITLE III)

SECTION 311/312 CATEGORIZATION (40 CFR 370)- Although this product is a hazardous chemical within 29 CFR 1910.1200, this product likely is exempt from tier reporting due to the minimum threshold levels.

SECTION 313 INFORMATION (40 CFR 372)- This product does not contain a chemical which is listed in Section 313 above *de minimis* concentrations.

SPILL RESPONSE REPORTING: The release of this material to the environment is not reportable to the National Response Center under the Comprehensive Environmental Response, Compensation, and Liability Act (40 CFR 302) or to state and local emergency planning committees under the Superfund Amendments and Reauthorization Act (40 CFR 355).



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Section IX - Environmental and Regulatory Data (continued)

RCRA INFORMATION: Waste disposal of this material does not meet RCRA's characteristic definitions of ignitability, corrosivity, or reactivity, and is not listed in 40 CFR 261.33. However, this material has not been evaluated by the toxicity characteristic leaching procedure (TCLP).