1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier

Product Name  ML420  ML421  ML490  ML491 Black Ribbon

Other means of identification

Synonyms  None

Recommended use of the chemical and restrictions on use

Recommended Use  Ink impregnated cloth used to transfer an image on sheet of paper or other substrate.

Uses advised against  No information available

Details of the supplier of the safety data sheet

Supplier Name  Oki Data Americas, Inc.
Supplier Address  2000 Bishops Gate Blvd.
                  Mount Laurel
                  NJ 08054
                  US
Supplier Phone Number  Phone: 1-800-654-3282
                      Fax: 1-856-235-2600
Supplier Email  support@okidata.com
Emergency telephone number  Phone: 1-800-654-3282

2. HAZARDS IDENTIFICATION

Classification

Office products are exempt from the 2012 OSHA Hazardous Communication Standard (29 CFR 1910.1200) therefore classification is not required.

GHS Label elements, including precautionary statements

Emergency Overview

Signal word  Warning
Hazard Statements  None
Appearance  Black  
Physical state  Viscous liquid  
Odor  No data available

Precautionary Statements - Prevention
Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Use personal protective equipment as required

Precautionary Statements - Response
IF exposed or concerned: Get medical advice/attention

Precautionary Statements - Storage
Store locked up

Precautionary Statements - Disposal
Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)
Not applicable

Unknown Toxicity
78% of the mixture consists of ingredient(s) of unknown toxicity

Other information
Carbon Black in a free state is classified by the IARC as a Group 2B Carcinogen (possibly carcinogenic to humans). The formulation of the toner has Carbon Black only present in a bounded state and not in a free state so it does not present a carcinogenic risk.

Interactions with Other Chemicals
No information available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No</th>
<th>Weight-%</th>
<th>Trade Secret</th>
</tr>
</thead>
<tbody>
<tr>
<td>Third Party Formulation (TP # 1190698)</td>
<td>Proprietary</td>
<td>10 - 30</td>
<td>*</td>
</tr>
<tr>
<td>Third Party Formulation (TP # 1190698)</td>
<td>Proprietary</td>
<td>10 - 30</td>
<td>*</td>
</tr>
<tr>
<td>Third Party Formulation (TP # 1190698)</td>
<td>Proprietary</td>
<td>1 - 5</td>
<td>*</td>
</tr>
<tr>
<td>Third Party Formulation (TP # 1190698)</td>
<td>Proprietary</td>
<td>1 - 5</td>
<td>*</td>
</tr>
<tr>
<td>Third Party Formulation (TP # 1190698)</td>
<td>Proprietary</td>
<td>1 - 5</td>
<td>*</td>
</tr>
</tbody>
</table>

*The exact percentage (concentration) of composition has been withheld as a trade secret

4. FIRST AID MEASURES

First aid measures

Eye contact
Rinse thoroughly with plenty of water, also under the eyelids. If symptoms persist, call a physician.

Skin contact
Wash with soap and water.

Inhalation
Remove to fresh air.

Ingestion
Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person.
Most important symptoms and effects, both acute and delayed

Most Important Symptoms and Effects

Indication of any immediate medical attention and special treatment needed

Notes to Physician

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media
CAUTION: Use of water spray when fighting fire may be inefficient.

Specific hazards arising from the chemical
No information available.

Hazardous Combustion Products
Carbon oxides.

Explosion Data
Sensitivity to Mechanical Impact No.
Sensitivity to Static Discharge No.

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

Personal precautions
Avoid contact with eyes.

Other Information
Refer to protective measures listed in Sections 7 and 8.

Environmental precautions

Environmental precautions
Refer to protective measures listed in Sections 7 and 8.

Methods and material for containment and cleaning up

Methods for containment
Prevent further leakage or spillage if safe to do so.

Methods for cleaning up
Pick up and transfer to properly labeled containers. Soak up with inert absorbent material.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling
Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Take off
contaminated clothing and wash before reuse.

Conditions for safe storage, including any incompatibilities

Storage  Keep container tightly closed.

Incompatible Products  None known based on information supplied.

8. EXPOSURE CONTROLS/PERSOAL PROTECTION

Control parameters

Exposure Guidelines

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH IDLH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Third Party Formulation (TP # 1190698)</td>
<td>TWA: 3 mg/m³ inhalable fraction</td>
<td>TWA: 3.5 mg/m³ (vacated) TWA: 3.5 mg/m³</td>
<td>IDLH: 1750 mg/m³ TWA: 3.5 mg/m³ TWA: 0.1 mg/m³ Carbon black in presence of Polycyclic aromatic hydrocarbons PAH</td>
</tr>
<tr>
<td>Third Party Formulation (TP # 1190698)</td>
<td>TWA: 10 mg/m³ except stearates of toxic metals</td>
<td>TWA: 1 mg/m³ Cu dust and mist</td>
<td>IDLH: 100 mg/m³ Cu dust and mist TWA: 1 mg/m³ Cu dust and mist</td>
</tr>
<tr>
<td>Third Party Formulation (TP # 1190698)</td>
<td>TWA: 1 mg/m³ Cu dust and mist</td>
<td>-</td>
<td>IDLH: 100 mg/m³ Cu dust and mist TWA: 1 mg/m³ Cu dust and mist</td>
</tr>
</tbody>
</table>

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits Immediately Dangerous to Life or Health

Other Exposure Guidelines  Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992) See section 15 for national exposure control parameters

Appropriate engineering controls

Engineering Measures  Showers
                        Eyewash stations
                        Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/face protection  No special protective equipment required.

Skin and body protection  Wear protective gloves and protective clothing.

Respiratory protection  No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

Hygiene Measures  Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Physical state</th>
<th>Viscous liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Black</td>
</tr>
<tr>
<td>Odor</td>
<td>No data available</td>
</tr>
</tbody>
</table>
10. STABILITY AND REACTIVITY

Reactivity
No data available.

Chemical stability
Stable under recommended storage conditions.

Possibility of Hazardous Reactions
None under normal processing.

Hazardous Polymerization
Hazardous polymerization does not occur.

Conditions to avoid
None known based on information supplied.

Incompatible materials
None known based on information supplied.

Hazardous Decomposition Products
Carbon oxides.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure
Product Information

**Inhalation**
Specific test data for the substance or mixture is not available.

**Eye contact**
Specific test data for the substance or mixture is not available.

**Skin contact**
Specific test data for the substance or mixture is not available.

**Ingestion**
Specific test data for the substance or mixture is not available.

Component Information

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Third Party Formulation (TP # 1190698)</td>
<td>&gt; 15400 mg/kg (Rat)</td>
<td>&gt; 3 g/kg (Rabbit)</td>
<td>-</td>
</tr>
</tbody>
</table>

Information on toxicological effects

**Symptoms**
No information available.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Sensitization**
No information available.

**Mutagenic Effects**
No information available.

**Carcinogenicity**
The table below indicates whether each agency has listed any ingredient as a carcinogen.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH</th>
<th>IARC</th>
<th>NTP</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Third Party Formulation (TP # 1190698)</td>
<td>A3</td>
<td>Group 2B</td>
<td></td>
<td>X</td>
</tr>
</tbody>
</table>

**ACGIH (American Conference of Governmental Industrial Hygienists)**
- A2 - Suspected Human Carcinogen
- A3 - Animal Carcinogen

**IARC (International Agency for Research on Cancer)**
- Group 1 - Carcinogenic to Humans
- Group 2B - Possibly Carcinogenic to Humans

**OSHA (Occupational Safety and Health Administration of the US Department of Labor)**
- X - Present

**Reproductive toxicity**
No information available.

**STOT - single exposure**
No information available.

**STOT - repeated exposure**
No information available.
Chronic Toxicity
Contains a known or suspected carcinogen. May cause adverse liver effects. In 1996 the IARC reevaluated Carbon Black as a Group 2B carcinogen (possible human carcinogen). This classification is given to chemicals for which there is inadequate human evidence, but sufficient animal evidence on which to base an opinion of carcinogenicity. The classification is based upon the development of lung tumors in rats receiving chronic inhalation exposures to free Carbon Black at levels that induce particle overload of the lung. Studies performed in animal models other than rats did not show any association between Carbon Black and lung tumors. Moreover, a two-year cancer bioassay using a typical toner product containing Carbon Black demonstrated no association between toner exposure and tumor development in rats. The formulation of the toner has Carbon Black only present in a bounded state and not in a free state.

Target Organ Effects

Aspiration Hazard
No information available.

Numerical measures of toxicity
The following values are calculated based on chapter 3.1 of the GHS document
Not applicable

12. ECOLOGICAL INFORMATION

Ecotoxicity
The environmental impact of this product has not been fully investigated.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Toxicity to Algae</th>
<th>Toxicity to Fish</th>
<th>Toxicity to Microorganisms</th>
<th>Daphnia Magna (Water Flea)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Third Party Formulation (TP # 1190698)</td>
<td></td>
<td></td>
<td></td>
<td>24h EC50: &gt; 5600 mg/L</td>
</tr>
<tr>
<td>Third Party Formulation (TP # 1190698)</td>
<td></td>
<td>48h LC50: &gt; 100 mg/L (Oryzias latipes)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Persistence and Degradability
No information available.

Bioaccumulation

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Log Pow</th>
</tr>
</thead>
<tbody>
<tr>
<td>Third Party Formulation (TP # 1190698)</td>
<td>6.6</td>
</tr>
</tbody>
</table>

Other adverse effects
No information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods
This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.
Contaminated Packaging
Dispose of contents/containers in accordance with local regulations.

California Hazardous Waste Codes 331

### 14. TRANSPORT INFORMATION

**DOT**
- Proper Shipping Name: NOT REGULATED
- Hazard Class: N/A

**TDG**
- Not regulated

**MEX**
- Not regulated

**ICAO**
- Not regulated

**IATA**
- Proper Shipping Name: NON REGULATED
- Hazard Class: N/A

**IMDG/IMO**
- Hazard Class: N/A

**RID**
- Not regulated

**ADR**
- Not regulated

**ADN**
- Not regulated

### 15. REGULATORY INFORMATION

**International Inventories**

- **TSCA**: Complies
- **DSL**: All components are listed either on the DSL or NDSL.

**US Federal Regulations**

**SARA 313**
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No</th>
<th>Weight-%</th>
<th>SARA 313 - Threshold Values %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Third Party Formulation (TP # 1190698) -</td>
<td>1 - 5</td>
<td>1.0</td>
<td></td>
</tr>
<tr>
<td>Third Party Formulation (TP # 1190698) -</td>
<td>1 - 5</td>
<td>1.0</td>
<td></td>
</tr>
</tbody>
</table>

**SARA 311/312 Hazard Categories**

- **Acute Health Hazard**: No
- **Chronic Health Hazard**: Yes
- **Fire Hazard**: No
- **Sudden release of pressure hazard**: No
- **Reactive Hazard**: No
CWA (Clean Water Act)
This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CWA - Reportable Quantities</th>
<th>CWA - Toxic Pollutants</th>
<th>CWA - Priority Pollutants</th>
<th>CWA - Hazardous Substances</th>
</tr>
</thead>
<tbody>
<tr>
<td>Third Party Formulation (TP # 1190698)</td>
<td></td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Third Party Formulation (TP # 1190698)</td>
<td></td>
<td>X</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

CERCLA
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

US State Regulations

California Proposition 65
Not Regulated due to chemicals being bounded.

U.S. State Right-to-Know Regulations

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>New Jersey</th>
<th>Massachusetts</th>
<th>Pennsylvania</th>
<th>Rhode Island</th>
<th>Illinois</th>
</tr>
</thead>
<tbody>
<tr>
<td>Third Party Formulation (TP # 1190698)</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
<td>X</td>
</tr>
</tbody>
</table>

International Regulations

Mexico
National occupational exposure limits

<table>
<thead>
<tr>
<th>Component</th>
<th>Carcinogen Status</th>
<th>Exposure Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Third Party Formulation (TP # 1190698)</td>
<td></td>
<td>Mexico: TWA 3.5 mg/m³</td>
</tr>
<tr>
<td>(10 - 30)</td>
<td></td>
<td>Mexico: STEL 7 mg/m³</td>
</tr>
</tbody>
</table>

Mexico - Occupational Exposure Limits - Carcinogens

Canada
WHMIS Hazard Class
Non-controlled

16. OTHER INFORMATION

NFPA  Health Hazards  1  Flammability  0  Instability  0  Physical and Chemical Hazards - Personal Protection  X

HMIS  Health Hazards  1*  Flammability  0  Physical Hazard  0

Chronic Hazard Star Legend  * = Chronic Health Hazard

Prepared By  Product Stewardship
23 British American Blvd.
Latham, NY 12110
1-800-572-6501

Revision Date  28-May-2015
Revision Note  No information available
Disclaimer
The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet