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# **Material Safety Data Sheet**

**Ink Ribbon For: MICROLINE 5520/5521  
MICROLINE 5590/5591**

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# Material Safety Data Sheet

Identity 42348301 Loop						T-1942E	
<b>SECTION I</b>							
<b>Manufacturer's Name</b> Oki (UK) Ltd.				<b>Emergency Telephone Number</b> 44-1236-502502			
<b>Address</b> 3 Castlecary Road, Wardpark North, Cumbernauld, Scotland G68 0DA				<b>Telephone Number for Information</b> 44-1236-502502			
				<b>Date Prepared</b> Nov. 16, 2004			
<b>SECTION II</b> — Hazardous Ingredients / Identity Information							
<b>Hazardous Components No.</b>	<b>CAS.</b>	<b>ACGIH TLV</b>	<b>OSHA PEL</b>	<b>EEC</b>	<b>Other Limits</b>	<b>%</b>	
Carbon Black	1333-86-4	3.5mg/m3	3.5mg/m3	N/A	N/A	2	
Mineral Oil (mist)	8012-95-1	5.0mg/m3	5.0mg/m3	N/A	N/A	3	
<b>Predominant Component</b>							
Coloring Material		Not Applicable					
Oil							
Additive							
Nylon 6-6 Fabric							
<b>Impurity</b>							
Michler's ketone	90-94-8	<0.1%					
<b>SECTION III</b> — Hazardous Information							
<b>Appearance and Odor</b> Nylon 6-6 Fabric impregnated with liquid black ink.							
<b>Incompatibility (Material to Avoid)</b> None							
<b>Hazardous Decomposition or Byproducts</b> None							
<b>Fire and Explosion Hazards</b> None							
<b>Health Hazards</b> Refrain from taking it into the body through mouths.							
<b>Information on Ecological Effect</b> No data available							
<b>UN — category</b> Not applicable				<b>UN — number</b> Not applicable			

<b>SECTION IV</b> — Emergency and First Aid Procedures		T-1942E
<b>Health Hazards (Acute and Chronic)</b> No data available		
<b>Signs and Symptoms of Exposure</b> No data available		
<b>Medical Conditions</b> <b>Generally Aggravated by Exposure</b> No data available		
<b>Emergency and First Aid Procedure</b> SKIN :Wash away ink on skin. EYE :Wash with water and consult a doctor promptly. INHALATION : Not applicable OTHERS : No data available		
<b>SECTION V</b> — Emergency Action in Case of Fire		
<b>Extinguishing Media</b> Water mist, Foam, Dry powder, CO2 gas, others		
<b>Special Fire Fighting Procedures</b> N/A		
<b>Unusual Fire and Explosion Hazards</b> None		
<b>SECTION VI</b> — Precautions for Safe Handling and Use		
<b>Steps to Be Taken in Case Material is Released or Spilled</b> If inadvertently released, rewind ribbon.		
<b>Precautions to Be Taken in Handling and Storing</b> Should be stored in dark and cool place.		
<b>Other Precautions</b> None		
<b>SECTION VII</b> — Control Measures		
<b>Respiratory Protection (Specify Type)</b> None		
<b>Ventilation</b>	<b>Local Exhaust</b> N/A	<b>Special</b> N/A
	<b>Mechanical (General)</b> N/A	<b>Other</b> N/A
<b>Eye Protection</b> N/A	<b>Hand Protection</b> Desirable in some cases.	
<b>Other Protective Clothing or Equipment</b> N/A		
<b>Work / Hygienic Practices</b> None		

<b>SECTION VIII</b> — Physical/Chemical Characteristics			T-1942E
<b>Boiling Point</b> N/A		<b>Melting Point</b> N/A	
<b>PH Value</b> N/A		<b>Specific Gravity</b> N/A	
<b>Viscosity</b> N/A		<b>Vapor Pressure</b> N/A	
<b>Solubility in Water</b> Negligible			
<b>SECTION IX</b> — Fire and Explosion Hazard Data			
<b>Flash Point</b> >150°C		<b>Ignition Temperature</b> N/A	
<b>Flammable Limits</b>		<b>LEL :</b> N/A	<b>UEL :</b> N/A
<b>SECTION X</b> — Reactivity Data			
<b>Stability</b>	<b>Unstable</b>		<b>Condition to Avoid</b> N/A
	<b>Stable</b>	x	
<b>Hazardous Polymerization</b>	<b>May Occur</b>		<b>Condition to Avoid</b> N/A
	<b>Will Not Occur</b>	x	
<b>SECTION XI</b> — Toxicology Information			
<b>Ames Test : Negative</b> <b>Carbon Black 1333-86-4 : IARC animal carcinogen.</b> <b>Michler's ketone 90-94-8 : NTP anticipated human carcinogen.</b>			
<b>SECTION XII</b> — Transport Information			
No special			
<b>SECTION XIII</b> — Waste Disposal Information			
<b>Waste Disposal Method</b>			
Disposal in accordance with local, state and federal regulations.			
<b>SECTION XIV</b> — Labeling			
<b>Danger Category</b> None			
<b>R/S Phrases</b> Unnecessary			

# Material Safety Data Sheet

Identity 42588201 Ink Tank						T-1944E
<b>SECTION I</b>						
<b>Manufacturer's Name</b> Oki (UK) Ltd.			<b>Emergency Telephone Number</b> 44-1236-502502			
<b>Address</b> 3 Castlecary Road, Wardpark North, Cumbernauld, Scotland G68 0DA			<b>Telephone Number for Information</b> 44-1236-502502			
			<b>Date Prepared</b> Nov. 17, 2004			
<b>SECTION II</b> — Hazardous Ingredients / Identity Information						
<b>Hazardous Components No.</b>	<b>CAS.</b>	<b>ACGIH TLV</b>	<b>OSHA PEL</b>	<b>EEC</b>	<b>Other Limits</b>	<b>%</b>
Carbon Black	1333-86-4	3.5mg/m3	3.5mg/m3	N/A	N/A	17
Mineral Oil (mist)	8012-95-1	5.0mg/m3	5.0mg/m3	N/A	N/A	14
<b>Predominant Component</b>						
Coloring Material			Not Applicable			
Oil						
Additive						
PSM Fiber HX felt						
<b>Impurity</b>						
None						
<b>SECTION III</b> — Hazardous Information						
<b>Appearance and Odor</b> PSM fiber and HX felt impregnated with liquid black ink.						
<b>Incompatibility (Material to Avoid)</b> None						
<b>Hazardous Decomposition or Byproducts</b> None						
<b>Fire and Explosion Hazards</b> None						
<b>Health Hazards</b> Refrain from taking it into the body through mouths.						
<b>Information on Ecological Effect</b> No data available						
<b>UN — category</b> Not applicable			<b>UN — number</b> Not applicable			

<b>SECTION IV</b> — Emergency and First Aid Procedures		T-1944E
<b>Health Hazards (Acute and Chronic)</b> No data available		
<b>Signs and Symptoms of Exposure</b> No data available		
<b>Medical Conditions</b> <b>Generally Aggravated by Exposure</b> No data available		
<b>Emergency and First Aid Procedure</b> SKIN :Wash away ink on skin. EYE :Wash with water and consult a doctor promptly. INHALATION : Not applicable OTHERS : No data available		
<b>SECTION V</b> — Emergency Action in Case of Fire		
<b>Extinguishing Media</b> Water mist, Foam, Dry powder, CO2 gas, others		
<b>Special Fire Fighting Procedures</b> N/A		
<b>Unusual Fire and Explosion Hazards</b> None		
<b>SECTION VI</b> — Precautions for Safe Handling and Use		
<b>Steps to Be Taken in Case Material is Released or Spilled</b> Wipe clean any transferred ink.		
<b>Precautions to Be Taken in Handling and Storing</b> Should be stored in dark and cool place.		
<b>Other Precautions</b> None		
<b>SECTION VII</b> — Control Measures		
<b>Respiratory Protection (Specify Type)</b> None		
<b>Ventilation</b>	<b>Local Exhaust</b> N/A	<b>Special</b> N/A
	<b>Mechanical (General)</b> N/A	<b>Other</b> N/A
<b>Eye Protection</b> N/A	<b>Hand Protection</b> Desirable in some cases.	
<b>Other Protective Clothing or Equipment</b> N/A		
<b>Work / Hygienic Practices</b> None		

<b>SECTION VIII</b> — Physical/Chemical Characteristics			T-1944E
<b>Boiling Point</b> N/A		<b>Melting Point</b> N/A	
<b>PH Value</b> N/A		<b>Specific Gravity</b> N/A	
<b>Viscosity</b> N/A		<b>Vapor Pressure</b> N/A	
<b>Solubility in Water</b> Negligible			
<b>SECTION IX</b> — Fire and Explosion Hazard Data			
<b>Flash Point</b> >150°C		<b>Ignition Temperature</b> N/A	
<b>Flammable Limits</b>		<b>LEL :</b> N/A	<b>UEL :</b> N/A
<b>SECTION X</b> — Reactivity Data			
<b>Stability</b>	<b>Unstable</b>		<b>Condition to Avoid</b> N/A
	<b>Stable</b>	x	
<b>Hazardous Polymerization</b>	<b>May Occur</b>		<b>Condition to Avoid</b> N/A
	<b>Will Not Occur</b>	x	
<b>SECTION XI</b> — Toxicology Information			
<b>Ames Test : Negative</b> <b>Carbon Black 1333-86-4 : IARC animal carcinogen.</b>			
<b>SECTION XII</b> — Transport Information			
No special			
<b>SECTION XIII</b> — Waste Disposal Information			
<b>Waste Disposal Method</b>  Disposal in accordance with local, state and federal regulations.			
<b>SECTION XIV</b> — Labeling			
<b>Danger Category</b> None			
<b>R/S Phrases</b> Unnecessary			