

<b>1 PRODUCT AND COMPANY IDENTIFICATION</b>	
MSDS Code	404.003.006-008
Trade Name	IGT Heliotest Ink
Manufacturer/Supplier	IGT Testing Systems
Address	Keienbergweg 25 P.O. Box 12688 1100 AR Amsterdam Z.O. The Netherlands
Phone Number	+31 20 409 9300
Fax Number	+31 20 697 4842
Technical Support Phone Number	+31 20 409 9300
Emergency Phone Number	+31 20 409 9300
<b>2 COMPOSITION/INFORMATION ON THE COMPONENTS</b>	
Product Trivial Name	IGT Heliotest Ink Red IGT Heliotest Ink Black
Product Formal Name	
Product Chemical Family	
CAS Number	111-46-6/123-86-4
Information on composition	16% Organic Pigments, 48% Natural Resin, 36% Diglycol butyl acetate
<b>3 HAZARD IDENTIFICATION</b>	
Main Hazards	Not classified as hazardous.
Health Effects - Eyes	No significant health hazards identified.
Health Effects - Skin	No significant health hazards identified.
Health Effects - Ingestion	Expected to be relatively non-toxic
Health Effects - Inhalation	No significant health hazards identified
<b>4 FIRST AID MEASURES</b>	
First Aid - Eyes	Immediately flood the eye with plenty of water for at least 10 minutes, holding the eye open.
First Aid - Skin	Wash exposed skin with water and soap.
First Aid - Ingestion	If large amount is swallowed, get medical attention
First Aid - Inhalation	Remove from exposition.
Advice to Physicians	Treat symptomatically. Keep under medical surveillance for 48 hours if aspiration could have occurred.
<b>5 FIRE FIGHTING MEASURES</b>	
Extinguishing Media	Use water spray, foam, dry chemical or carbon dioxide.
Special Hazards of Product	
<b>6 ACCIDENTAL RELEASE MEASURES</b>	
Personal Precautions	None required, however, use of eye protection, protective gloves/ clothing and adequate ventilation is good industrial practice.
Environmental Precautions	Try to prevent the material from entering drains or watercourses.
Spillages	Clean with suitable absorbents and detergents, e.g. alcohol
<b>7 HANDLING AND STORAGE</b>	
Handling	Adequate ventilation should be provided if there is risk of mist or aerosol formation. Adequate ventilation should be provided if there is risk of vapour build-up.
Storage	No special requirements
<b>8 EXPOSURE CONTROLS/PERSONAL PROTECTION</b>	
Occupational Exposure Standards	None required, however, use of eye protection, protective gloves/ clothing and adequate ventilation is good industrial practice
<b>9 PHYSICAL AND CHEMICAL PROPERTIES</b>	
Physical State	Liquid
Colour	Heliotest ink Red: Red Heliotest ink Black: Black
Odour	Odour of Diglycol butyl acetate
pH	7
Flash Point (PMCC) (°C)	>340 K
Solubility in Water (kg/m <sup>3</sup> )	0.005 kg/m <sup>3</sup>
Vapour Pressure (kPa)	2 mbar at ambient conditions.
Density (kg/m <sup>3</sup> )	±991 at 23°C
Auto-flammability (°C)	n.a.
Viscosity (Pa.s)	14
Decomposition Temp. (°C)	
Pour Point (°C)	
<b>10 STABILITY AND REACTIVITY</b>	
Stability	Stable under normal conditions.
Hazardous Decomposition Products	No dangerous reactions identified. No hazardous decomposition; polymerisation will not occur; incomplete burning can produce CO, CO <sub>2</sub> and other harmful products
<b>11 TOXICOLOGICAL INFORMATION</b>	
Acute toxicity	Expected to be relatively non-toxic
Irritancy - Eyes	No significant health hazards identified
Irritancy - Skin	No significant health hazards identified
Sub-acute/ sub chronic Toxicity	Expected to be relatively non-toxic
Human Data	
<b>12 ECOLOGICAL INFORMATION</b>	
Mobility	
Persistence/Degradability	
Bio-accumulation	

<b>Ecotoxicity</b>	
<b>13 DISPOSAL</b>	
<b>Product Disposal</b>	Dispose of in accordance with all applicable local and national regulations. Incineration is the recommended method of disposal.
<b>14 TRANSPORT INFORMATION</b>	
	Not classified
<b>15 REGULATORY INFORMATION</b>	
<b>Labelling Information</b>	<input type="checkbox"/> Health: Not Classified <input type="checkbox"/> Physico-Chemical: Not Classified <input type="checkbox"/> Environment: Not Classified
<b>EC Annex I Classification</b>	This material is not considered to meet the requirement for classification as 'Dangerous to the Environment' under Directive 67/548 EC.
<b>16 OTHER INFORMATION</b>	
<b>MSDS data issue</b>	13 March 2002
<b>MSDS date revised</b>	1 January 2009
<b>Uses and Restrictions</b>	This product is only intended for printability testing purposes under standard conditions. The product is supplied in tubes with a maximum volume of 70 ml.
<b>REACH Declaration</b>	A REACH Declaration is not necessary because of the small production amounts of this product.
<b>United States Regulation Information: TSCA</b>	All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements
<b>Notice</b>	
<p>This Material Safety Data Sheet is valid for the article numbers 404.003.006 and 404.003.008.</p> <p>This Material Safety Data Sheet is based upon data considered to be accurate as at the time of its preparation. Despite our efforts, it may not be up to date or applicable to the circumstances of any particular case. We are not responsible for any damage or injury resulting from abnormal use, from any failure to follow appropriate practices or from hazards inherent in the nature of the product.</p>	
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