

1 PRODUCT AND COMPANY IDENTIFICATION	
MSDS Code	404.380.010
Trade Name	IGT Red Brilliant Standard 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
2 HAZARD IDENTIFICATION	
This product is not classed as flammable. Refer to the recommendations regarding the other products present on the site This preparation is not classed as hazardous to health by directive 1999/45/EC.	
3 COMPOSITION/INFORMATION ON THE COMPONENTS	
Hazardous substances present on their own: This preparation contains no hazardous substance in this category. (present in the preparation at a sufficient concentration to give it the toxicological characteristics it would have in a 100% pure state)	
Other substances representing a hazard: No known substance in this category present.	
Substances present at a concentration below the minimum danger threshold: No known substance in this category present.	
Other substances with occupational exposure limits: No known substance in this category present.	
4 FIRST AID MEASURES	
As a general rule, in case of doubt or if symptoms persist, always call a doctor. NEVER induce swallowing in an unconscious person.	
First Aid - Eyes	Immediately flood the eye with plenty of water for at least 10 minutes, holding the eye open, remove contact lenses and seek medical advice.
First Aid - Skin	Remove contaminated clothing and wash exposed skin with water and soap or recognized skin cleanser. Do not use solvents or thinners!
First Aid - Ingestion	Get immediately medical attention, keep at rest, do not induce vomiting.
First Aid - Inhalation	If a large quantity is inhaled, move the patient into the fresh air and keep him/her warm and still. Consult doctor in case of symptoms
Advice to Physicians	Treat symptomatically. Keep under medical surveillance for 48 hours if aspiration could have occurred.
5 FIRE FIGHTING MEASURES	
Extinguishing Media	Alcohol resistant foam, CO ₂ , powders water spray, if applied under pressure. For metallic inks: Metal fire extinguishing powder or dry sand
Extinguishing media which must not be used for safety reasons	Water jet
Special protective equipment for fire-fighters	Obligatory wearing of autonomous smoke helmet for the intervening. The vapours/gas of the fire place can be health harmful
6 ACCIDENTAL RELEASE MEASURES	
Personal Precautions	Consult the safety measures listed under headings 7 and 8.
Environmental Precautions	Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal. Prevent any material from entering drains or waterways.
Spillages	Clean preferably with a detergent, do not use solvents. Remove with a non combustible absorbent (sand, colloid silicium, sawdust, binding material)
7 HANDLING AND STORAGE	
The regulations relating to storage premises apply to workshops where the product is handled.	
Handling	Handle in well-ventilated areas. Avoid eyes and skin contact . Do not eat, drink or smoke during the work
Fire prevention	Prevent access by unauthorised personnel. Materials such as cleaning rags, paper wipes and protective clothing, which are contaminated with the product may spontaneously self-ignite some hours later. To avoid the risk of fires, all contaminated materials should be stored in purpose-built containers or robust tight metal containers, fitted with tight-fitting self-closing lids (see also chapter 14
Recommended equipment and procedures	Packages which have been opened must be reclosed carefully and stored in an upright position
Storage	The floor must be impermeable and form a collecting basin so that, in the event of an accidental spillage, the liquid cannot spread beyond this area. Keep away from heat and direct sunlight Store in accordance with the particular national regulations concerning water pollution.
8 EXPOSURE CONTROLS/PERSONAL PROTECTION	
Use personal protection equipment as per Directive 89/686/EEC.	
Technical measures: Ensure adequate ventilation, if possible with extractor fans at work posts and appropriate general extraction Personnel shall wear regularly laundered overalls.	
Respiratory protection	Where workers encounter concentrations higher than the exposure limits, they must wear suitable, approved masks.
Hand protection	Protective creams may be used for exposed skin, but they should not be applied after contact with the product. In the event of prolonged or repeated contact with the hands, use appropriate gloves
Type of gloves recommended	Chemical protection gloves are suitable, which are tested according to EN 374. For short term contact

	(e.g. splash protection) as well as long term contact (e.g. cleaning activities) with the constituents of inks and usual cleaning agents an LLDPE glove of 0.06 mm thickness is recommended. According to information by the manufacturer the average breakthrough times for usual constituents exceed 480min
Eye and face protection	Use eye protectors designed to protect against liquid splashes
Skin protection	Working clothes must not consist of textiles which show a dangerous melting behaviour in case of fire
9 PHYSICAL AND CHEMICAL PROPERTIES	
Physical State	Viscous pasty
Colour	Black
Flash Point interval	Not stated
Solubility in Water (kg/m³)	Insoluble
Vapour Pressure (kPa)	Not relevant
Density	>1
Auto-flammability (°C)	Not relevant
Boiling point (°C)	Not relevant
Ignition temperature (°C)	Not relevant
10 STABILITY AND REACTIVITY	
Stability	When exposed to high temperatures, the preparation may release dangerous decomposition products such as carbon monoxide and dioxide, smoke and nitrogen oxide
Materials to avoid	Keep away from oxidising agents, alkaline and strongly acid materials in order to avoid exothermic reactions
Hazardous Decomposition Products	Exposition to high temperatures may produce hazardous decomposition products such as : carbon dioxide, carbon monoxide, smoke, oxides of nitrogen (NOx)
11 TOXICOLOGICAL INFORMATION	
The preparation contains no substance classed as hazardous per directive 67/548/EEC. No data is available regarding the preparation itself. Exposure to vapours from solvents contained in the preparation beyond the exposure limits stated may produce effects harmful to health, such as: Irritation of mucous membrane and respiratory system, kidneys, liver and central nervous system. Symptoms produced will include headaches, numbness, dizziness, fatigue, muscular asthenia and, in extreme cases, loss of consciousness. Prolonged or repeated contact with the preparation may strip the skin of its natural oil and thus cause non-allergic dermatitis on contact and absorption through the epidermis. Splashes in the eyes may cause irritation and reversible damage	
12 ECOLOGICAL INFORMATION	
No ecological data on the product itself is available.	
13 DISPOSAL	
Do not pour into drains or waterways.	
Waste	Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company. Do not contaminate the ground or water with waste, do not dispose of waste into the environment.
Soiled packaging	Empty container completely. Keep label(s) on container. Give to a certified disposal contractor. Codes of wastes (Decision 2001/573/EC, Directive 2006/12/EEC, Directive 94/31/EEC on hazardous waste) : European waste catalogue : 08 03 13
14 TRANSPORT INFORMATION	
Exempt from transport classification and labelling. Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2007 - IMDG 2006 - ICAO/IATA 2007).	
15 REGULATORY INFORMATION	
This preparation was classified in compliance with the directive known as <All preparations> 1999/45/EC and its adaptations In addition directive 2004/73/EC with the 29° adaptation of directive 67/548/EEC (Hazardous substances) have been taken into account. This product is not classed as flammable. This preparation is not classed as hazardous to health by directive 1999/45/EC.	
16 OTHER INFORMATION	
MSDS data issue	13 March 2002
MSDS date revised	1 August 2010
Uses and Restrictions	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.
United States Regulation Information: TSCA	All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements
Notice This Material Safety Data Sheet is valid for the article number 404.380.010 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. ©2010 IGT Testing Systems	