1 PRODUCT AND COMPANY IDENTIFICATION	
MSDS Code	404.004.020
Trade Name	IGT Pick test oil
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 COMPOSITION/INFORMATION ON THE COMPONENTS	
Product Trivial Name	Pick test oil
Product Formal Name	BUTENE, HOMOPOLYMER
Product Chemical Family	Hydrocarbon polymer
CAS Number	9003-29-6
Information on composition	This data sheet applies to grades of IGT pick test oil listed in section 16 Colorant: Low Viscosity Pick Test Oil: 0.3% Soudan Blue 670 Medium Viscosity Pick Test 0.15%Oil: Soudan Blue 670+0.15%Oil Tax Red (Cl SR 24) High Viscosity Pick Test Oil: 0.3%Oil Tax Red (Cl SR 24)
3 HAZARD IDENTIFICATION	
Main Hazards	Product transported unheated: Not classified as hazardous.
Health Effects - Eyes	Product transported unheated: Liquid may cause slight transient irritation.
Health Effects - Skin	Product transported unheated: Material may cause slight irritation on prolonged or repeated contact. Repeated or prolonged contact may produce defatting of the skin leading to irritation and dermatitis.
Health Effects - Ingestion	Product transported unheated: Swallowing may have the following effects: gastrointestinal irritation. Diarrhoea
Health Effects - Inhalation	Exposure to vapour from heated material may have the following effects: irritation of nose, throat and respiratory tract. Exposure to thermal decomposition products may have the following effects: central nervous system depression, dizziness, and headache.
4 FIRST AID MEASURES	
First Aid - Eyes	Immediately flood the eye with plenty of water for at least 10 minutes, holding the eye open. Get medical attention if soreness of redness persists.
First Aid - Skin	Wipe off as much as possible with a clean dry cloth. Wash skin thoroughly with soap and water. In case of contact with hot liquid, immediately flood affected area with cold water. Get medical attention if blistering occurs or redness persists.
First Aid - Ingestion	Wash out mouth with water. Do not induce vomiting. If any material enters the lungs, for example during swallowing or vomiting, obtain medical attention urgently.
First Aid - Inhalation	Remove from exposition. Keep warm and at rest.
Advice to Physicians	Treat symptomatically. Keep under medical surveillance for 48 hours if aspiration could have occurred. Treat skin burns conventionally.
5 FIRE FIGHTING MEASURES	
Extinguishing Media	Use water spray, foam, dry chemical or carbon dioxide. Keep containers and surroundings cool with water spray.
Special Hazards of Product	Rapid de-polymerisation can occur in a fire to produce flammable vapours.
6 ACCIDENTAL RELEASE MEASURES	
Personal Precautions	Wear: PVC or rubber gloves. Chemical goggles. Overall or apron.
Environmental Precautions	Try to prevent the material from entering drains or watercourses.
Spillages	Wipe off as much as possible with a clean dry cloth, clean with e.g. white spirit
7 HANDLING AND STORAGE	
Handling	Avoid breathing mist or vapour from heated material.
Storage	A potentially flammable atmosphere may be generated if polybutenes are held hot for prolonged periods. For prolonged storage at temperatures of 60 °C and above, keep in rust-free tanks and exclude oxygen by use of a nitrogen blanket. Heating systems that generate localised hot spots should never be used. Suitable storage materials are: - mild steel.
8 EXPOSURE CONTROLS/PERSONAL PROTECTION	
Occupational Exposure Standards	If in the country of use no published national or international exposure standards apply to this product, then the following limits are suggested as guidance: Oil mist, mineral: UK EH40:OES 5mg/m3 8h TWA. Hydrocarbon solvents (general): UK EH40:OES 5mg/m3 8h TWA.
Respiratory Protection	Respiratory protection if there is a risk of exposure above the Occupational Exposure Standard.
Hand Protection	PVC or rubber gloves
Eye Protection	Chemical goggles
Body Protection	
9 PHYSICAL AND CHEMICAL PROPERTIES	
Physical State	Viscous liquid
Colour	Low Viscosity Pick Test Oil: Blue Medium Viscosity Pick Test: Violet High Viscosity Pick Test Oil: Red
Odour	Faint. Characteristic.
pH	Not soluble in water.
Flash Point (PMCC) (°C)	Exceeds 100
Solubility in Water (kg/m^3)	Insoluble

Vapour Pressure (kPa)	Negligible vapour pressure at ambient conditions.
Density (kg/m^3)	825-920 at 15°C
Auto-flammability (°C)	240-420
Viscosity (Pa.s)	17 – 110 at 23°C
Decomposition Temp. (°C)	Decomposition in air begins around 250°C
Pour Point (°C)	-60 - +50
10 STABILITY AND REACTIVITY	
Stability	Stable under normal conditions. Depolymerises at temperatures above 250°C.
Hazardous Decomposition Products	Combustion will generate: Carbon dioxide. Carbon monoxide. Thermal decomposition may release: flammable vapours.
11 TOXICOLOGICAL INFORMATION	
Acute toxicity	Low order of acute toxicity. Oral LD50 (rat) > 15400 mg/kg Dermal LD50 (rabbit) > 25000 mg/kg
Irritancy - Eyes	Single application to the rabbit eye produced minimal conjunctive irritation.
Irritancy - Skin	Single 24h applications to rabbit skin of preparations containing polybutenes produced minimal or no irritation.
Sub-acute/ sub chronic Toxicity	Long term feeding studies with up to 2% in the diet of rats, and up to 1g/kg/day in dogs, for two years produced no treatment related effects.
Human Data	Repeat insult patch tests with up to 50% polybutene formulations produced only minimal skin irritation in a few people.
12 ECOLOGICAL INFORMATION	
Mobility	The product is lighter than water and will float on the surface; the product is insoluble in water.
Persistence/Degradability	The product is partially or slowly biodegradable. (Based on similar materials)
Bio-accumulation	Product is not expected to bio accumulate.
Ecotoxicity	Tests on the following species gave a 96h TLM of 1000 mg/litre: rainbow trout. The water-soluble fraction (100%) had no effect on the following species: daphnia. (48h EC50 immobilisation test) (Based on similar materials)
13 DISPOSAL	
Product Disposal	Dispose of in accordance with all applicable local and national regulations. Incineration is the recommended method of disposal.
Container Disposal	Labels should not be removed from containers.
14 TRANSPORT INFORMATION	
IATA – Class	Not classified, when transported at ambient temperature.
15 REGULATORY INFORMATION	
Labelling Information	❑ Health: Not Classified ❑ Physico-Chemical: Not Classified ❑ Environment: Not Classified
EC Annex I Classification	This material is not considered to meet the requirement for classification as 'Dangerous to the Environment' under Directive 67/548 EC.
16 OTHER INFORMATION	
MSDS data revised	13 March 2002
Uses and Restrictions	This product is only intended for printability testing purposes under standard conditions. The product is supplied in tubes and cartridges with a maximum volume of 170 ml.

Notice

The information in this data sheet applies to the following grades of IGT Pick test oil: 404.004.010, 404.004.010, 404.004.012, 404.004.020, 404.004.021, 404.004.022, 404.004.030, 404.004.032

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.