1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING				
Material Name Uses	:	AVGAS 100LL (<0.1% benzene) Low lead content aviation gasoline fuel for piston engined aircraft		
Manufacturer/Supplier :		Shell Western Supply & Trading Ltd Mahogany Court Wildey Business Park Wildey BB11000 Barbados-St. Michael Barbados		
Telephone Fax	:	(246) 431-4900 (246) 429-5088		
Emergency Telephone Number	:	+44 (0) 151 350 4595		
2. HAZARDS IDENTIFICATION				
EC Classification	:	Extremely flammable. Toxic to Reproduction, category 3. Irritant. Harmful. Dangerous for the environment.		
Health Hazards :		Vapours may cause drowsiness and dizziness. Slightly irritating to respiratory system. Harmful by inhalation. Harmful in contact with skin. Irritating to skin. Moderately irritating to eyes. Harmful: may cause lung damage if swallowed. Harmful if swallowed. Possibility of organ or organ system damage from prolonged exposure; see Chapter 11 for details. Target organ(s): Peripheral nervous system. Possible risk of harm to the unborn child. Danger of cumulative		
Signs and Symptoms	:	Skin irritation signs and symptoms may include a burning sensation, redness, swelling, and/or blisters. Eye irritation signs and symptoms may include a burning sensation and a temporary redness of the eye. If material enters lungs, signs and symptoms may include coughing, choking, wheezing, difficulty in breathing, chest congestion, shortness of breath, and/or fever. The onset of respiratory symptoms may be delayed for several hours after exposure. Breathing of high		

according to EC directive 2001/58/EC

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	(CNS) depression resulting in dizziness, light-headedness, headache, nausea and loss of coordination. Continued inhalation may result in unconsciousness and death. Peripheral nerve damage may be evidenced by impairment of motor function (incoordination, unsteady walk, or muscle weakness in the extremities, and/or loss of sensation in the arms and legs). Auditory system effects may include temporary hearing loss and/or ringing in the care.
Safety Hazards	 Extremely flammable. Electrostatic charges may be generated during handling. Electrostatic discharge may cause fire. Liquid evaporates quickly and can ignite leading to a flash fire, or an explosion in a confined space.
Environmental Hazards	: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Additional Information	This product contains tetraethyl lead which may accumulate in the human body. There are indications from human epidemiological studies that excessive prenatal exposure to tetraethyl lead may cause developmental and neurobehavioural effects in children. This product is intended for use in closed systems only.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture Description : Complex mixture of hydrocarbons consisting of paraffins, cycloparaffins, aromatic and olefinic hydrocarbons with carbon numbers predominantly in the C4 to C12 range. Contains lead alkyl anti-knock additives. Maximum lead concentration: 0.56 g/l. Maximum tetraethyl lead content is 0.125% w/w. May also contain several additives at <0.1% v/v each. This product is dyed for grade identification. Includes benzene at less than 0.1 % v/v.

Hazardous Components

Chemical Identity	CAS	EINECS	Symbol(s)	R-phrase(s)	Conc.
Gasoline, low boiling point naphtha	86290-81-5	289-220-8	F+, Xi, Xn, N	R12; R38; R51/53; R63; R65; R67	99,00 - 100,00 %
Tetraethyl lead	78-00-2	201-075-4	T+, N	R26/27/28; R61; R62; R33; R50/53	0,00 - 0,125 %
Additional Inform	ation :	Contains Tolu CAS # 100-4 Contains Xyle Naphthalene, 110-82-7. Co	uene, CAS # ⁻ 1-4. Contains ene (Mixed Iso , CAS # 91-20 ontains Tri-me	108-88-3. Cont a n-Hexane, CA omers), CAS # 0-3. Contains C othyl-benzene (a	ains Ethylbenzene, S # 110-54-3. 1330-20-7. Contains Cyclohexane, CAS# all isomers), CAS#
			2/14		

25551-13-7. Dyes and markers can be used to indicate tax status and prevent fraud. Refer to chapter 16 for full text of EC R-phrases.

4. FIRST AID MEASURES		
Inhalation	:	Remove to fresh air. If rapid recovery does not occur, transport to nearest medical facility for additional treatment.
Skin Contact	:	Remove contaminated clothing. Immediately flush skin with large amounts of water for at least 15 minutes, and follow by washing with soap and water if available. If redness, swelling, pain and/or blisters occur, transport to the nearest medical facility for additional treatment. When using high pressure equipment, injection of product under the skin can occur. If high pressure injuries occur, the casualty should be sent immediately to a hospital. Do not wait for symptoms to develop.
Eye Contact	:	Flush eyes with water while holding eyelids open. Rest eyes for 30 minutes. If redness, burning, blurred vision, or swelling persist transport to the nearest medical facility for additional treatment.
Ingestion	:	If swallowed, do not induce vomiting: transport to nearest medical facility for additional treatment. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Protect the airway if vomiting occurs. Give nothing by mouth. If breathing but unconscious, place in the recovery position. If breathing has stopped, apply artificial respiration. Obtain medical treatment immediately. If any of the following delayed signs and symptoms appear within the next 6 hours, transport to the nearest medical facility: fever greater than 101° F (38.3°C), shortness of breath, chest congestion or continued coughing or wheezing
Advice to Physician	:	Treat symptomatically. The concentration of lead alkyl compounds present is not significant in the context of treating acute poisoning unless the person had excessive and prolonged exposure to the material.

5. FIRE FIGHTING MEASURES

Clear fire area of all non-emergency personnel.

Specific Hazards	:	Clear fire area of all non-emergency personnel. Hazardous combustion products may include: A complex mixture of airborne solid and liquid particulates and gases (smoke). Carbon monoxide. Unidentified organic and inorganic compounds. The vapour is heavier than air, spreads along the ground and distant ignition is possible. Will float and can be reignited on surface water.
Suitable Extinguishing Media Unsuitable Extinguishing	:	Foam, water spray or fog. Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only. Do not use direct water jets on the burning product as they

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Media	could cause a steam explosion and spread of the fire. Simultaneous use of foam and water on the same surface is to be avoided as water destroys the foam.
Protective Equipment for Firefighters Additional Advice	 Proper protective equipment including breathing apparatus must be worn when approaching a fire in a confined space. Keep adjacent containers cool by spraying with water. If possible remove containers from the danger zone. If the fire cannot be extinguished the only course of action is to evacuate immediately. Contain residual material at affected sites to prevent material from entering drains (sewers), ditches, and waterways.

6. ACCIDENTAL RELEASE MEASURES

Avoid contact with skin, eyes and clothing. Evacuate the area of all non-essential personnel. Ventilate contaminated area thoroughly. If contamination of sites occurs remediation may require specialist advice. Take precautionary measures against static discharges. Avoid contact with spilled or released material. Immediately remove all contaminated clothing. For guidance on selection of personal protective equipment see Chapter 8 of this Material Safety Data Sheet. For guidance on disposal of spilled material see Chapter 13 of this Material Safety Data Sheet. Ensure electrical continuity by bonding and grounding (earthing) all equipment. Observe the relevant local and international regulations.

Protective measures	 Vapour can travel for considerable distances both above and below the ground surface. Underground services (drains, pipelines, cable ducts) can provide preferential flow paths. Do not breathe fumes, vapour. Take measures to minimise the effects on groundwater. Contain residual material at affected sites to prevent material from entering drains (sewers), ditches and waterways. Shut off leaks, if possible without personal risks. Remove all possible sources of ignition in the surrounding area. Use appropriate containment (of product and fire fighting water) to avoid environmental contamination. Prevent from spreading or entering drains, ditches or rivers by using sand, earth, or other appropriate barriers. Attempt to disperse the vapour or to direct its flow to a safe location for example by using fog sprays. Take precautionary measures against static discharge. Ensure electrical continuity by bonding and grounding (earthing) all equipment. For large liquid spills (> 1 drum), transfer by mechanical means such as vacuum truck to a salvage tank for recovery or safe disposal. Do not flush away residues with water. Retain as contaminated waste. Allow residues to evaporate or soak up
	with an appropriate absorbent material and dispose of safely. Remove contaminated soil and dispose of safely. For small liquid spills (< 1 drum), transfer by mechanical means to a labelled, sealable container for product recovery or safe disposal. Allow residues to evaporate or soak up with an appropriate absorbent material and dispose of safely. Remove contaminated soil and dispose of safely.

Material Safety Data Sheet	t	according to EC directive 2001/58/
Additional Advice	:	Notify authorities if any exposure to the general public or the environment occurs or is likely to occur. Local authorities should be advised if significant spillages cannot be contained. Maritime spillages should be dealt with using a Shipboard Oil Pollution Emergency Plan (SOPEP), as required by MARPOL Annex 1 Regulation 26.
7. HANDLING AND STORAGE		
General Precautions :	:	Avoid breathing vapours or contact with material. Only use in well ventilated areas. Wash thoroughly after handling. For guidance on selection of personal protective equipment see Chapter 8 of this Material Safety Data Sheet. Use the information in this data sheet as input to a risk assessment of local circumstances to help determine appropriate controls for safe handling, storage and disposal of this material. Air-dry contaminated clothing in a well-ventilated area before laundering. Properly dispose of any contaminated rags or cleaning materials in order to prevent fires. Prevent spillages. Turn off all battery operated portable electronic devices (examples include: cellular phones, pagers and CD players) before operating gasoline pump. Contaminated leather articles including shoes cannot be decontaminated and should be destroyed to prevent reuse. For comprehensive advice on handling, product transfer, storage and tank cleaning refer to the product supplier. Do not use as a cleaning solvent or other non-motor fuel uses
Handling	:	Maintenance and Fuelling Activities - Avoid inhalation of vapours and contact with skin. When using do not eat or drink. Extinguish any naked flames. Do not smoke. Remove ignition sources. Avoid sparks. Never siphon by mouth. The vapour is heavier than air, spreads along the ground and distant ignition is possible. Avoid exposure.
Storage :	:	Obtain special instructions before use. Drums should be stacked to a maximum of 3 high. Use properly labelled and closeable containers. Take suitable precautions when opening sealed containers, as pressure can build up during storage. Tank storage: Tanks must be specifically designed for use with this product. Bulk storage tanks should be diked (bunded). Locate tanks away from heat and other sources of ignition. Cleaning, inspection and maintenance of storage tanks is a specialist operation, which requires the implementation of strict procedures and precautions. In the interests of air safety, aviation fuels are subject to strict quality requirements and product integrity is of paramount importance. Precautions should be taken to avoid water coming in to contact with aviation fuels
Product Transfer :	:	Electrostatic charges may be generated during pumping. Electrostatic discharge may cause fire. Ensure electrical continuity by bonding and grounding (earthing) all equipment.

	Restrict line velocity during pumping in order to avoid generation of electrostatic discharge (<= 1 m/sec until fill pipe submerged to twice its diameter, then <= 7 m/sec). Avoid splash filling. Do NOT use compressed air for filling, discharging, or handling operations. Wait 2 minutes after tank filling (for tanks such as those on road tanker vehicles) before opening hatches or manholes. Wait 30 minutes after tank filling (for large storage tanks) before opening hatches or manholes.
Recommended Materials :	For containers, or container linings use mild steel, stainless steel. Aluminium may also be used for applications where it does not present an unnecessary fire hazard. Examples of suitable materials are: high density polyethylene (HDPE), polypropylene (PP), and Viton (FKM), which have been specifically tested for compatibility with this product. For container linings, use amine-adduct cured epoxy paint. For seals and gaskets use: graphite, PTFE, Viton A, Viton B.
Unsuitable Materials :	Some synthetic materials may be unsuitable for containers or container linings depending on the material specification and intended use. Examples of materials to avoid are: natural rubber (NR), nitrile rubber (NBR), ethylene propylene rubber (EPDM), polymethyl methacrylate (PMMA), polystyrene, polyvinyl chloride (PVC), polyisobutylene. However, some may be suitable for glove materials.
Container Advice :	Containers, even those that have been emptied, can contain explosive vapours. Do not cut, drill, grind, weld or perform similar operations on or near containers. Gasoline containers must not be used for storage of other products.
Additional Information :	Ensure that all local regulations regarding handling and storage facilities are followed. The following activities have been associated with high levels of exposure to gasoline vapours: Top-loading of tankers, open ship loading by deck crew, drum filling/emptying, overwing fueling of aircraft and laboratory testing (particularly sample bottle washing). In the interests of air safety, aviation fuels are subject to strict quality requirements and product integrity is of paramount importance. For one source of information on international standards for the quality assurance of aviation fuels, see www.jointinspectiongroup.org.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

If the American Conference of Governmental Industrial Hygienists (ACGIH) value is provided on this document, it is provided for information only.

Material S	Source	Туре	ppm	mg/m3	Notation

Occupational Exposure Limits

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Gasoline, low boiling point naphtha	ACGIH	TWA	300 ppm		
	ACGIH	STEL	500 ppm		
Tetraethyl lead	ACGIH	TWA		0,1 mg/m3	as Pb
	ACGIH	SKIN_DES			Can be absorbed through the skin.as Pb
1,3,5-Trimethyl benzene	ACGIH	TWA	25 ppm		
Ethylbenzene	ACGIH	TWA	20 ppm		
n-hexane	ACGIH	TWA	50 ppm		
	ACGIH	SKIN_DES			Can be absorbed through the skin.
Benzene	ACGIH	TWA	0,5 ppm		
	ACGIH	STEL	2,5 ppm		
	ACGIH	SKIN_DES			Can be absorbed through the skin.
	SHELL IS	TWA	0,5 ppm	1,6 mg/m3	
	SHELL IS	STEL	2,5 ppm	8 mg/m3	
Toluene	ACGIH	TWA	20 ppm		
Xylene	ACGIH	TWA	100 ppm		
	ACGIH	STEL	150 ppm		
Cyclohexane	ACGIH	TWA	100 ppm		
Naphthalene	ACGIH	TWA	10 ppm		
	ACGIH	STEL	15 ppm		
	ACGIH	SKIN_DES			Can be absorbed through the skin.

Additional Information

: In the absence of a national exposure limit, the American Conference of Governmental Industrial Hygienists (ACGIH) recommends the following values for Gasoline low boiling point naphtha: TWA - 300 ppm STEL - 500 ppm Critical effects based on Irritation and Central Nervous System. Skin notation means that significant exposure can also occur by absorption of liquid through the skin and of vapour through the eyes or mucous membranes.

Biological Exposure Index (BEI) - See reference for full details

Material	Determinant	Sampling Time	BEI	Reference
n-hexane	2,5-Hexanedion, without hydrolysis in Urine	Sampling time: End of shift at end of work week.	0,4 mg/l	ACGIH BEL (2011)
Toluene	toluene in Urine	Sampling time: End of shift.	0,03 mg/l	ACGIH BEL (2011)
	toluene in Blood	Sampling time: Prior to last shift of work week.	0,02 mg/l	ACGIH BEL (2011)
	o-Cresol, with hydrolysis in Creatinine in urine	Sampling time: End of shift.	0,3 mg/g	ACGIH BEL (2011)
Ethylbenzene	Sum of mandelic acid and phenylglyoxylic acid in Creatinine in urine	Sampling time: End of shift at end of work week.	0,7 g/g	ACGIH BEL (2011)
	Ethyl benzene in End-exhaled air	Sampling time: Not critical.		ACGIH BEL (2011)
Xylene	Methylhippuric acids in Creatinine in urine	Sampling time: End of shift.	1,5 g/g	ACGIH BEL (2011)
Naphthalene	1- Hydroxypyrene, with hydrolysis (1-HP) in Urine	Sampling time: End of shift at end of work week.		ACGIH BEL (2011)

Material	Source	Hazard Designation
Gasoline, low boiling point	ACGIH	Confirmed animal carcinogen
naphtha		with unknown relevance to
		humans.
Tetraethyl lead	ACGIH	Not classifiable as a human
		carcinogen.
Benzene	ACGIH	Confirmed human carcinogen.
Toluene	ACGIH	Not classifiable as a human
		carcinogen.
Xylene	ACGIH	Not classifiable as a human
		carcinogen.
Naphthalene	ACGIH	Not classifiable as a human
		carcinogen.

Exposure Controls	:	The level of protection and types of controls necessary will vary depending upon potential exposure conditions. Select controls based on a risk assessment of local circumstances. Appropriate measures include: Use sealed systems as far as possible. Adequate explosion-proof ventilation to control airborne concentrations below the exposure guidelines/limits. Local exhaust ventilation is recommended. Eye washes and showers for emergency use.
Personal Protective	:	Personal protective equipment (PPE) should meet
Respiratory Protection		If engineering controls do not maintain airborne concentrations
		to a level which is adequate to protect worker health, select respiratory protection equipment suitable for the specific conditions of use and meeting relevant legislation. Check with respiratory protective equipment suppliers. Where air-filtering respirators are suitable, select an appropriate combination of mask and filter. Where air-filtering respirators are unsuitable (e.g. airborne concentrations are high, risk of oxygen deficiency, confined space) use appropriate positive pressure breathing apparatus. All respiratory protection equipment and use must be in accordance with local regulations.
Hand Protection	:	Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material, glove thickness, dexterity. Always seek advice from glove suppliers. Contaminated gloves should be replaced. Personal hygiene is a key element of effective hand care. Gloves must only be worn on clean hands. After using gloves, hands should be washed and dried thoroughly. Application of a non-perfumed moisturizer is recommended. Select gloves tested to a relevant standard (e.g. Europe EN374, US F739). When prolonged or frequent repeated contact occurs, Nitrile gloves may be suitable. (Breakthrough time of > 240 minutes.) For incidental contact/splash protection Neoprene, PVC gloves may be suitable.
Eye Protection	:	Chemical splash goggles (chemical monogoggles).
Protective Clothing	:	Chemical resistant gloves/gauntlets, boots, and apron (where
Monitoring Methods	:	Monitoring of the concentration of substances in the breathing zone of workers or in the general workplace may be required to confirm compliance with an OEL and adequacy of exposure controls. For some substances biological monitoring may also be appropriate.
Environmental Exposure Controls	:	Local guidelines on emission limits for volatile substances must be observed for the discharge of exhaust air containing vapour.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: Blue. Clear, bright liquid.
Odour	: Hydrocarbon.

pН	:	Data not available
Init Boi	lal Boiling Point and :	25 - 170 °C / 77 - 338 °F
Me	Iting / freezing point :	< -47 ℃ / -53 ℉
Fla	sh point :	< -40 ℃ / -40 ℉
Upj or E	ber / lower Flammability : Explosion limits	1 - 8 %(V)
Aut	o-ignition temperature	> 250,00 ℃ / > 482,00 ℉
Vap	our pressure :	380 - 490 hPa at 38 ℃ / 100 ℉
Dei	nsity :	0,69 - 0,76 g/cm3 at 15,00 ℃ / 59,00 °F
Wa	ter solubility :	Negligible.
Sol	ubility in other solvents :	Data not available
n-o	ctanol/water partition :	2 - 7
COE	efficient (log Pow)	
Kin	ematic viscosity :	0,5 - 0,75 mm2/s at 40 ℃ / 104 ℉
Vap	cour density (air=1) :	> 3
10 OT		
10. ST		
Sta	bility :	Stable under normal conditions of use.

Stability Conditions to Avoid Materials to Avoid Hazardous Decomposition Products Hazardous decomposition products are not expected to form during normal storage. Thermal decomposition is highly dependent on conditions. A complex mixture of airborne solids, liquids and gases, including carbon monoxide, carbon dioxide and other organic compounds will be evolved when this material undergoes combustion or thermal or oxidative degradation.

11. TOXICOLOGICAL INFORMATION

Basis for Assessment	:	Information given is based on product data, a knowledge of the
Acute Oral Toxicity	:	Low toxicity: LD50 >2000 mg/kg , Rat Aspiration into the lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal
Acute Dermal Toxicity Acute Inhalation Toxicity	:	Low toxicity: LD50 >2000 mg/kg , Rabbit Low toxicity: LC50 >5 mg/l / 4 h, Rat High concentrations may cause central nervous system depression resulting in headaches, dizziness and nausea;
Skin Irritation Eye Irritation Respiratory Irritation	:	continued inhalation may result in unconsciousness and/or death. Irritating to skin. Expected to be slightly irritating. Based on human experience, breathing of vapours or mists may cause a temporary burning sensation to nose, throat and
Sensitisation Repeated Dose Toxicity	:	lungs. Not expected to be a skin sensitiser. Kidney: caused kidney effects in male rats which are not

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Mutagenicity Carcinogenicity Reproductive and Developmental Toxicity	 considered relevant to humans Peripheral nervous system: repeated exposure causes peripheral neuropathy in animals. (n-hexane) Not considered a mutagenic hazard. (Benzene) Not classified as a carcinogen. Causes foetotoxicity at doses which are maternally toxic. (Toluene)
	May impair fertility at doses which produce other toxic effects.
Additional Information	 This product contains tetraethyl lead which may cause harm to the unborn child. Exposure to tetraethyl lead is associated with developmental effects which include reduced birth weight, reduced gestational age and neurobehavioral effects. Many case studies involving abuse during pregnancy indicate that toluene can cause birth defects, growth retardation and learning difficulties. (Toluene) Exposure to very high concentrations of similar materials has
	been associated with irregular heart rhythms and cardiac arrest
	Prolonged and repeated exposures to high concentrations have resulted in hearing loss in rats. Solvent abuse and noise interaction in the work environment may cause hearing loss. (Toluene) Abuse of vapours has been associated with organ damage and death. (Toluene)

12. ECOLOGICAL INFORMATION

Fuels are typically made from blending several refinery streams. Ecotoxicological studies have been carried out on a variety of hydrocarbon blends and streams but not those containing additives. Information given is based on a knowledge of the components and the ecotoxicology of similar products.

Acute Toxicity	:	Toxic: LL/EL/IL50 1-10 mg/l (to aquatic organisms) (LL/EL50 expressed as the nominal amount of product required to prepare aqueous test extract.)
Mobility	:	Floats on water. Evaporates within a day from water or soil surfaces. Large volumes may penetrate soil and could contaminate groundwater. Contains volatile constituents.
Persistence/degradability	:	Major constituents are expected to be inherently biodegradable, but the product contains components that may persist in the environment. The volatile constituents will oxidize rapidly by photochemical reactions in air.
Bioaccumulation	:	Contains constituents with the potential to bioaccumulate.
Other Adverse Effects	:	Films formed on water may affect oxygen transfer and damage organisms.

13. DISPOSAL CONSIDERATIONS	
Material Disposal :	Recover or recycle if possible. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste classification and disposal methods in compliance with applicable regulations. Waste arising from a spillage or tank cleaning should be disposed of in accordance with prevailing regulations, preferably to a recognised collector or contractor. The competence of the collector or contractor should be established beforehand. Do not dispose into the environment, in drains or in water courses. Do not dispose of tank water bottoms by allowing them to drain into the ground. This will
Container Disposal	Drain container thoroughly. After draining, vent in a safe place away from sparks and fire. Residues may cause an explosion hazard. Do not, puncture, cut, or weld uncleaned drums. Send to drum recoverer or metal reclaimer.
Local Legislation :	Disposal should be in accordance with applicable regional, national, and local laws and regulations. Local regulations may be more stringent than regional or national requirements and must be complied with.

14. TRANSPORT INFORMATION

r doking group	
Packing group	:
Class / Division	: 3
Proper shipping name	: Gasoline
UN No.	: 1203
IATA (Country variations I	may apply)
Marine pollutant:	Yes
Packing group	II
Class / Division	3
Proper shipping name	GASOLINE
Identification number	UN 1203
IMDG	

15. REGULATORY INFORMATION

The regulatory information is not intended to be comprehensive. Other regulations may apply to this material.

EC Classification	:	Extremely flammable. Toxic to Reproduction, category 3. Irritant, Harmful. Dangerous for the environment.
EC Symbols	:	F+ Extremely flammable. Xn Harmful. N Dangerous for the environment
EC Risk Phrases	:	 R12 Extremely flammable. R38 Irritating to skin. R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R20/21/22 Harmful by inhalation, in contact with skin and if swallowed. R33 Danger of cumulative effects. R63 Possible risk of harm to the unborn child. R65 Harmful: may cause lung damage if swallowed. R67 Vapours may cause drowsiness and dizziness.
EC Safety Phrases	:	S2 Keep out of reach of children. S29 Do not empty into drains. S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). S53 Avoid exposure. Obtain special instructions before use. S61 Avoid release to the environment. Refer to special instructions/Safety data sheets. S62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.
Classification triggering components	:	Contains gasoline, low boiling point naphtha, unspecified. Contains tetraethyl lead.

16. OTHER INFORMATION

R-phrase(s)

R12 R20/21/22 R26/27/28 R33 R38 R50/53	Extremely flammable. Harmful by inhalation, in contact with skin and if swallowed. Very toxic by inhalation, in contact with skin and if swallowed. Danger of cumulative effects. Irritating to skin. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.			
R51/53	Toxic to aqua	tic	organisms, may cause long-term adverse effects in the aquatic	
R61 R62 R63 R65 R67	environment. May cause harm to the unborn child. Possible risk of impaired fertility. Possible risk of harm to the unborn child. Harmful: may cause lung damage if swallowed. Vapours may cause drowsiness and dizziness.			
MSDS Version	Number	:	1.0	
MSDS Effective	Date	:	01/17/2012	
MSDS Revision	IS	:	A vertical bar () in the left margin indicates an amendment	
MSDS Regulati	fr S Regulation : T a 2 9		from the previous version. The content and format of this safety data sheet is in accordance with Commission Directive 2001/58/EC of 27 July 2001, amending for the second time Commission Directive 91/155/EEC.	
Uses and Restr	ictions	:	This product must not be used in applications other than those recommended in Section 1, without first seeking the advice of the supplier. Not to be used as a fuel for automotive vehicles. This product is not to be used as a solvent or cleaning agent; for lighting or brightening fires; as a skin cleanser.	
MSDS Distribut	ion	:	The information in this document should be made available to	
Disclaimer		:	This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.	