

**ETHEKWINI COMMUNITY & EMERGENCY SERVICES; FIRE & EMERGENCY SERVICES
BYLAW RELATING TO FIRE PREVENTION AND FLAMMABLE LIQUIDS AND SUBSTANCES**

APPLICATION FOR CERTIFICATE OF REGISTRATION

Name of Applicant : _____

Address : _____

Registration Number: _____

Make: _____ **Engine No.:** _____

Chassis No.: _____

Inspecting Officer Name: _____

Signature: _____ **Date:** _____

NOTE: This checklist is compiled in accordance with SANS 1518: 2011; Transport of Dangerous Goods- Design, construction, testing, approval and maintenance of road vehicles and portable tanks. & SANS 1157: 2013; Transport of Dangerous goods- Inspection requirements of road vehicles for the issue of Municipal Dangerous Goods Transport Permits.

DEFINITIONS:

- Truck Tractor: vehicle used to draw a semi-trailer or a combination of semi-trailers.
- Rigid Vehicle: freight carrier chassis fitted with a fixed, permanently mounted tank or body or a demountable tank, tank container or load body for packaged goods.
- Trailer: trailer with a fixed tank (including a semi-trailer) or adapted to carry a demountable tank or tank container or packaged goods.
- Skeletal Trailer: trailer or semi-trailer that does not have a load deck and is designed for the transport of ISO containers
- Panel Van/ LDV: fully enclosed van type light motor vehicle with a GVM <3 500Kg

Truck Tractor	Rigid	Trailer	Skeletal Trailer	Panel Van/ LDV	LPG Vessels
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TRUCK TRACTOR			
REQUIREMENTS	LEGAL REFERENCE	YES	NO
Valid dangerous goods operator card displayed disc shall be marked (D;G).	Road Traffic Act 93 Of 1996		
1 x 9Kg DCP extinguisher mounted readily accessible with quick release holders serviced within twelve months by a competent person.	SANS 1518		
Dangerous Goods Warning Diamond or suitable bracket in place to secure diamond size 250mm x 250mm displayed only when loaded or unpurged.	SANS 10232-1		
Dangerous goods document holder orange, accessible and fixed inside the cab.	SANS 10231		
Battery housed in an insulated and ventilated box.	SANS 1518		
Battery isolators mounted on the vehicle WARNING: The electrical and computer system may be damaged when the isolators are operated indiscriminately.	SANS 1518		
Battery isolator label clearly visible with the "ON/OFF" position indicated.	SANS 1518		
Factory fitted rear wind screen, where fitted, is to be unopenable.	SANS 1518		
RIGID VEHICLES (GVM >3 500 Kg)			
REQUIREMENTS	LEGAL REFERENCE	YES	NO
Valid dangerous goods operator card displayed disc shall be marked (D;G).	Road Traffic Act 93 Of 1996		
2 x 9Kg DCP extinguisher mounted readily accessible with quick release holders serviced within twelve months by a competent person, one on each side.	SANS 1518		
Dangerous goods warning diamond or suitable bracket in place to secure diamond size 250mm x 250mm displayed only when loaded or unpurged.	SANS 10232-1		
Dangerous goods document holder orange, accessible and fixed inside the cab.	SANS 1518		
Sufficient and adequate ventilation in loading area.(Enclosed vehicles)	By-Laws		
Battery housed in an insulated and ventilated box	SANS 1518		
Battery isolators mounted on the vehicle WARNING: The electrical and computer system may be damaged when the isolators are operated indiscriminately.	SANS 1518		

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4th Schedule

Body sides at the rear and both sides of the vehicle to be at least 600mm high or stowage area for dangerous goods to be in compliance with SANS 10187-8. Note: Load securement equipment must be presented on the vehicle at the time of inspection.	SANS 1518		
Dangerous Goods placards 700mm x 400mm on both sides and on the rear of the vehicle or suitable brackets in place for securing placarding	SANS 10232-1		
No smoking, No naked flame and No cellular phone symbolic safety signs of 290mm x 290mm to be mounted on both sides and the rear of the vehicle.	SANS 1186-1		
Two wheel chocks of sufficient strength and made from non- sparking material	SANS 1518		
Annual inspection certificate as per SANS 10231	SANS 10231		
TANKER TRAILERS & BULK RIGID TANK TRUCKS			
REQUIREMENTS	LEGAL REFERENCE	YES	NO
Tank construction and certification by means of manufacturers plate attached to the vehicle	237A Road Traffic Act 93 of 1996		
No obvious tank leaks present	SANS 10231		
2 x 9Kg DCP extinguisher mounted readily accessible with quick release holders serviced within twelve months by a competent person, one on each side.	SANS 1518		
Valid dangerous goods operator card displayed disc shall be marked (D;G)	Road Traffic Act 93 Of 1996		
Dangerous Goods Warning diamond or suitable bracket in place to secure diamond on rigid tank truck	SANS 10232-1		
Dangerous Goods placards 700mm x 400mm on both sides and on the rear of the vehicle or suitable brackets in place for securing placarding	SANS 10232-1		
Battery housed in an insulated and ventilated box (Bulk Rigid Tank Trucks)	SANS 1518		
Battery isolators mounted on the vehicle <u>WARNING: The electrical and computer system may be damaged when the isolators are operated indiscriminately.</u> (Bulk Rigid Tank Trucks)	SANS 1518		
Battery isolator label clearly visible with the "ON/OFF" position indicated. (Bulk Rigid Tank Trucks)	SANS 1518		
Dangerous goods document holder orange, accessible and fixed inside the cab. (Bulk Rigid Tank Trucks)	SANS 1518		
No smoking, No naked flame and No cellular phone symbolic safety signs of 290mm x 290mm to be mounted on both sides and the rear of the vehicle.	SANS 1186-1		
Pipes or fittings not to project beyond sides or ends of vehicle	SANS 1518		
Rear bumper suitable to protect the tank or pipes (or both) from collision	SANS 1518		

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The chassis, tank, piping covers and associated equipment interconnected to ensure electrical continuity (bonding) for flammable liquids and flammable gasses.	SANS 1518		
Two clearly marked earthing points (one on each side of the vehicle), for flammable liquids and flammable gasses	SANS 1518		
Emergency release mechanism fitted away from area of standard operation.	SANS 1518		
Two wheel chocks of sufficient strength and made from non- sparking material	SANS 1518; SANS 10231		
Annual inspection certificate as per SANS 10231	SANS 10231		
SKELETAL OR GOODS TRAILERS			
REQUIREMENTS	LEGAL REFERENCE	YES	NO
2 x 9Kg DCP extinguisher mounted readily accessible with quick release holders serviced within twelve months by a competent person, one on each side.	SANS 1518		
Valid dangerous goods operator card displayed disc shall be marked (D;G)	Road Traffic Act 93 Of 1996		
Body sides at the rear and both sides of the vehicle to be at least 600mm high or stowage area for dangerous goods to be in compliance with SANS 10187-8. Note: Load securement equipment must be presented on the vehicle at the time of inspection. (Flatbed)	SANS 1518		
No smoking, No naked flame and No cellular phone symbolic safety signs of 290mm x 290mm to be mounted on both sides and the rear of the vehicle.	SANS 1186-1		
Dangerous Goods placards 700mm x 400mm on both sides and on the rear of the vehicle or suitable brackets in place for securing placarding	SANS 10232-1		
PANEL VAN OR LDV (GVM <3 500Kg)			
REQUIREMENTS	LEGAL REFERENCE	YES	NO
Where a vehicle is used for the transportation of dangerous goods, the driver shall be separated by means of a shield that would protect the driver from any product, liquid or vapour that could be generated by the product that is transported by such vehicle.	SANS 1518; SANS 1157		
Factory fitted rear wind screen, where fitted, is to be unopenable	SANS 1518		
Battery isolators mounted on the vehicle WARNING: The electrical and computer system may be damaged when the isolators are operated indiscriminately.	SANS 1518		
Battery isolator label clearly visible with the "ON/OFF" position indicated.	SANS 1518		
Dangerous Goods warning diamond or suitable bracket in place to secure such diamond of minimum size 100mm x100mm	SANS 10232-1		

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4th Schedule

Dangerous goods document holder orange, accessible and fixed inside the cab	SANS 1518		
Valid dangerous goods operator card displayed disc shall be marked (D;G)	Road Traffic Act 93 Of 1996		
Body sides at the rear and both sides of the vehicle to be at least 600mm high or stowage area for dangerous goods to be in compliance with SANS 10187-8. Note: Load securement equipment must be presented on the vehicle at the time of inspection. (Open Vehicles)	SANS 1518/ By-Law		
Sufficiently and adequate ventilation in loading area. (Enclosed Vehicles)	By-Law		
No electrical fittings or equipment within the load containment area. (Enclosed Vehicles)	By-Law		
No seating provided for passengers within the load containment area.	SANS 1518		
Dangerous Goods placards 350mm x 200mm on both sides and on the rear of the vehicle or suitable brackets in place for securing placarding	SANS 10232-1		
No smoking, No naked flame and No cellular phone symbolic safety signs of 290mm x 290mm to be mounted on both sides and the rear of the vehicle.	SANS 1186-1		
2 x 4.5Kg DCP or 1 x 9Kg DCP extinguisher mounted readily accessible with quick release holders serviced within twelve months by a competent person, 4,5Kg one on each side.	SANS 1518		
LPG Transportation			
REQUIREMENTS	LEGAL REFERENCE	YES	NO
Where a vehicle is used for the transportation of dangerous goods, the driver shall be separated by means of a shield that would protect the driver from any product, liquid or vapour that could be generated by the product that is transported by such vehicle.	SANS 1518; SANS 1157		
Valid dangerous goods operator card displayed disc shall be marked (D;G)	Road Traffic Act 93 Of 1996		
Factory fitted rear wind screen, where fitted, is to be unopenable	SANS 1518		
Tank construction and certification by means of manufacturer's plate attached to the vehicle. (Trailer) Including the date of the last Hydrostatic Pressure Test.	237A Road Traffic Act 93 of 1996		
No smoking, No naked flame and No cellular phone symbolic safety signs of 290mm x 290mm to be mounted on both sides and the rear of the vehicle.	SANS 1186-1		
Dangerous Goods placards 700mm x 400mm on both sides and on the rear of the vehicle or suitable brackets in place for securing placarding	SANS 10232-1		
Dangerous Goods placards 350mm x 200mm on both sides and on the rear of the vehicle or suitable brackets in place for securing placarding. (LDV)	SANS 10232-1		
Dangerous goods warning diamond or suitable bracket in place to secure diamond size 250mm x 250mm displayed only when loaded or unpurged.	SANS 10232-1		
Dangerous Goods warning diamond or suitable bracket in place to secure such diamond of minimum size 100mm x100mm. (LDV)	SANS 10232-1		

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Battery isolators mounted on the vehicle where applicable. <u>WARNING: The electrical and computer system may be damaged when the isolators are operated indiscriminately.</u>	SANS 1518		
Battery isolator label clearly visible with the "ON/OFF" position indicated where applicable.	SANS 1518		
Are all connections clearly labelled with their purpose.	SANS 10087-4		
Emergency release mechanism fitted away from area of standard operation.	SANS 1518		
The floor covered with wood or rubber mat where cylinders are transported.	SANS 10087-4		
Body sides at the rear and both sides of the vehicle to be at least 600mm high or stowage area for dangerous goods to be in compliance with SANS 10187-8. Note: Load securement equipment must be presented on the vehicle at the time of inspection. (Open Vehicles)	SANS 1518		
Two clearly marked earthing points (one on each side of the vehicle), for flammable liquids and flammable gasses	SANS 1518		
2 x 9Kg DCP extinguisher mounted readily accessible with quick release holders serviced within twelve months by a competent person, one on each side.	SANS 1518		
2 x 4.5Kg DCP or 1 x 9Kg DCP extinguisher mounted readily accessible with quick release holders serviced within twelve months by a competent person, 4,5Kg one on each side. (LDV)	SANS 1518		
Provision shall be made for securing the cylinders to prevent them from toppling over or moving about while being transported.	SANS 10187-8		
If mixed products are carried, are the LPG cylinders carried in a separate, dedicated & well-ventilated area.	SANS 10087-4		