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## GOVERNMENT NOTICES • GOEWERMENTSKENNISGEWINGS

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### DEPARTMENT OF ENERGY

NO. R. 582

23 JUNE 2017

#### **PETROLEUM PRODUCTS ACT, 1977 (ACT NO.120 OF 1977)**

#### **AMENDMENT OF REGULATIONS REGARDING PETROLEUM PRODUCTS SPECIFICATIONS AND STANDARDS**

The Minister of Energy has under sections 2(1)(a) and 12(c)(1)(e) and (f) of the Petroleum Products Act, 1977 (Act No.120 of 1997) made the Regulations in the Schedule.

## SCHEDULE

[       ] Words in bold type in square brackets indicate omissions from existing enactments.

\_\_\_\_\_ Words underlined with a solid line indicate insertions in existing enactments.

### Definitions

1. In this Schedule the “Regulations” means the Regulations Regarding Petroleum Products Specifications and Standards published under Government Notice No. R. 627 of 23 June 2006, as amended by Government Notice No. R. 431 of 1 June 2012.

### Amendment of regulation 1 of Regulations

2. Regulation 1 of the Regulations is hereby amended by—

- (a) the deletion of the definition of “**AVSR**”;
- (b) the substitution for the definition of “**low-sulphur grade diesel**” of the following definition:
 

“**low-sulphur grade diesel**’ means diesel with a sulphur content of not more than **[50] 10** mg/kg;”;
- (c) the substitution for the definition of “**LRP**” of the following definition:
 

““**LRP**” or “lead replacement petrol” means **[lead replacement petrol, which is metal-containing unleaded petrol sold as a replacement for leaded]** petrol containing metal based additives, other than lead, but including phosphorus with a RON of 93 or 95;”;

- (d) the deletion of the definitions of “**metal-containing unleaded petrol**” and “**metal-free unleaded petrol**”;
- (e) the substitution for the definition of “**SANS**” of the following definition:  
     “**SANS**’ means the South African National Standard [issued] approved by [Standards South Africa, a division of] the South African Bureau of Standards, in terms of the Standards Act, [1993 (Act 29 of 1993)] 2008 (Act No. 8 of 2008);”;
- (f) the deletion of the definition of “**standard grade diesel**”; and
- (g) the insertion after the definition of “**the Act**” of the following definition:  
     “**unleaded petrol**’ or ‘**ULP**’ means petrol that does not contain metal based additives, but may contain manganese, with a RON of 93 or 95;”.

### Amendment of regulation 3 of Regulations

3. Regulation 3 of the Regulations is hereby amended by—
  - (a) the substitution in subregulation (1) for paragraphs (a) to (d) of the following paragraphs:
    - “(a) [**metal-free**] unleaded petrol with a minimum RON of [**91**]93;
    - (b) [**metal-free**] unleaded petrol with a minimum RON of [**93**]95;
    - (c) [**metal-free unleaded**] lead replacement petrol with a minimum RON of [**95**]93; and
    - (d) [**metal-containing unleaded**] lead replacement petrol with a minimum RON of [**91**]95”;
  - (b) the deletion in subregulation (1) of paragraphs “(e)” and “(f)”;
  - (c) the substitution for subregulation (2) of the following subregulation:
    - “(2) Permitted unleaded petrol grades must conform to the South African National Standard, SANS 1598, and—
      - (a) the minimum RON rating must be 93 or 95, as the case may be;
      - (b) the maximum permitted traces of lead as contamination must not exceed 5 milligrams per litre;
      - (c) the maximum permitted content of aromatics is 35% v/v;
      - (d) the maximum permitted benzene content is 1% v/v;

- (e) the maximum permitted olefins content is 18% v/v; and
  - (f) the maximum permitted sulphur content is 10 mg/kg.”;
- (d) the insertion after subregulation (2) of the following subregulation:
  - “(2A) The manganese based additives in permitted unleaded petrol grades must not exceed 18 milligrams per litre.”;
- (e) the deletion of subregulation (3); and
- (f) the substitution for subregulation (4) of the following subregulation:
  - “(4) Permitted lead replacement petrol must conform to the South African National Standard, SANS 1598, and—
    - (a) the minimum RON rating must be 93 or 95, as the case may be;
    - (b) the maximum permitted traces of lead as contamination must not exceed 5 milligrams per litre;
    - (c) manganese-based additives must not exceed 36 milligrams per litre;
    - (d) potassium-based additives must not exceed 10 milligrams per litre;
    - (e) phosphorous-based additives must not exceed 14 milligrams per litre;
    - (f) only one of the additives referred to in paragraphs (c), (d) and (e) may be added to such petrol;
    - (g) the maximum permitted content of aromatics is 35% v/v;
    - (h) the maximum permitted benzene content is 1% v/v;
    - (i) the maximum permitted olefins content is 18% v/v; and
    - (j) the maximum permitted sulphur content is 10 mg/kg.”.

#### **Amendment of regulation 5 of Regulations**

4. Regulation 5 of the Regulations is hereby amended by the substitution for subregulation (1) of the following subregulation:

“(1) Diesel grades that may be sold to an end-consumer in the Republic must—



- (a) be low-sulphur grade diesel which must conform to South African National Standard, SANS 342, and must conform with the following standards:

  - (i) The sulphur content of such diesel may not exceed 10 mg/kg; and
  - (ii) not more than 5% v/v biodiesel is blended;
- (b) be low-sulphur grade B10 diesel, which must conform to South African National Standard, SANS 342, except in respect of maximum biodiesel content, and must conform to the following standards:

  - (i) The sulphur content of such diesel may not exceed 10 mg/kg; and
  - (ii) such diesel may be blended with more than 5% v/v but not more than 15% v/v biodiesel;
- (c) be low-sulphur grade B20 diesel, which must conform to South African National Standard, SANS 342, except in respect of maximum biodiesel content, and must conform with the following standards:

  - (i) The sulphur content of such diesel may not exceed 10 mg/kg; and
  - (ii) such diesel may be blended with more than 15% v/v but not more than 25% v/v biodiesel;
- (d) be low-sulphur grade B30 diesel, which must conform to South African National Standard, SANS 342, except in respect of maximum biodiesel content, and must conform with the following standards:

  - (i) The sulphur content of such diesel may not exceed 10 mg/kg; and
  - (ii) such diesel may be blended with more than 25% v/v but not more than 35% v/v biodiesel;
- (e) be low-sulphur grade B40 diesel, which must conform to South African National Standard, SANS 342, except in respect of maximum biodiesel content, and must conform with the following standards:

- (i) The sulphur content of such diesel may not exceed 10 mg/kg; and
- (ii) such diesel may be blended with more than 35% v/v but not more than 45% v/v biodiesel;
- (f) be low-sulphur grade B50 diesel, which must conform to South African National Standard, SANS 342, except in respect of maximum biodiesel content, and must conform with the following standards:
  - (i) The sulphur content of such diesel may not exceed 10 mg/kg; and
  - (ii) such diesel may be blended with more than 45% v/v but not more than 55% v/v biodiesel; and
- (g) be biodiesel B100 which must be 100% biodiesel.”.

#### **Amendment of regulation 6 of Regulations**

5. Regulation 6 of the Regulations is hereby amended by the substitution for subregulation (5) of the following subregulation:

“(5) Offering for sale, selling or providing **[metal free]** unleaded petrol or **[metal-containing unleaded]** lead replacement petrol which contains lead additives, is prohibited.”.

#### **Amendment of regulation 8 of Regulations**

6. Regulation 8 of the Regulations is hereby amended by:

(a) the substitution for subregulation (4) of the following subregulation:

“(4) The label on the bowser dispensing-

(a) metal-free unleaded petrol grade must be labelled with white lettering and numbering on a green background and must, as appropriate for the grade of petrol dispensed on that bowser, only contain the words and numbers-

- (i) “95 Metal-Free ULP” for petrol grade RON 95; or
  - (ii) “93 Metal-Free ULP” for petrol grade RON 93,
- as the case may be;

- (b) metal-containing unleaded petrol grade must be labelled with white lettering and numbering on an orange background, and must, as appropriate for the grade of petrol dispensed from that bowser, only contain the words and numbers-
    - (i) "95 Metal-Containing ULP" for petrol grade with a RON 95;
    - (ii) "93 Metal-Containing ULP" for petrol grade with a RON 93, as the case may be;
  - (c) lead replacement petrol grade must be labelled with white lettering and numbering on an orange background, and must, as appropriate for the grade of petrol dispensed from that bowser, only contain the words and numbers-
    - (j) "95 LRP" for petrol grade with a RON 95;
    - (iii) "93 LRP" for petrol grade with a RON 93, as the case may be; and
  - (d) diesel must be labelled with white lettering and numbering on a black background, and must, as appropriate for the grade of diesel dispensed from that bowser, except in the case of diesel blended with more than 5% biodiesel contemplated in subregulation (5), contain only the words -
    - (i) "Low-Sulphur diesel 10ppm" for low sulphur grade diesel; or
    - (ii) "Biodiesel B100" for 100% biodiesel, as the case may be.";
- (b) the substitution for subregulation (5) of the following subregulation:
 

"(5) Diesel blended with more than 5% but less than 100% biodiesel must be labeled with white lettering and numbering on a black background and, as appropriate for the grade of diesel dispensed from that bowser, must contain the additional words and numbers "BX", where "X" will be 10, 20, 30, 40 or 50, as the case may be."; and
- (c) the deletion of subregulation (6).

## **Repeal**

7. The Amendment of Regulations Regarding Petroleum Products Specifications and Standards published under Government Notice No. R. 431 of 1 June 2012 is hereby repealed.

## **Commencement**

8. These regulations commence on a date to be determined by the Minister by notice in the Gazette, save for regulations 3(d) and 6(b) in this Schedule, which shall come into effect upon publication.