



Safety Data Sheet

Unleaded petrol 93

Version 1.02

Revision Date 08.05.2013

1. Identification of the substance/mixture and of the company/undertaking

Trade name	Unleaded petrol 93
Synonyms	Unleaded petrol 93
Use	Fuel for spark ignition powered automotive application.
Company	Sasol Oil 32 Hill Street Randburg, 2125 Republic of South Africa
Information (Product safety)	Telephone: +27 11 889 7600 Fax: +27 11 889 7979 E-mail address msds.info@sasol.com
Emergency telephone number	Europe, Israel, Africa, Americas +44 (0)1235 239 670 Middle East, Arabic African countries +44 (0)1235 239 671 Asia Pacific +65 3158 1074 China +86 10 5100 3039 South Africa +27 (0)17 610 4444 Australia +61 2 9032 0460

2. Hazards identification

Identification of the risks

R45	May cause cancer.
R46	May cause heritable genetic damage.
R65	Also harmful: may cause lung damage if swallowed.
R11	Highly flammable.

3. Composition/information on ingredients

Gasoline, natural; Low boiling point naphtha

Contents: 100.00 %W/W

CAS-No. 8006-61-9

Index-No. 649-261-00-8

EC-No. 232-349-1

Symbol(s) T, F

R-phrase(s) -R45 -R46 -R65 -R11

For the full text of the R-phrases mentioned in this Section, see Section 16.



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4. First aid measures

Inhalation	Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If symptoms persist, call a physician.
Skin contact	Wash off immediately with plenty of water for at least 15 minutes. If skin irritation persists, call a physician.
Eye contact	Rinse immediately with plenty of running water, also under the eyelids, for at least 15 minutes. Remove contact lenses. If eye irritation persists, consult a specialist.
Ingestion	Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person or otherwise unable to swallow. Call a physician immediately.

5. Firefighting measures

Suitable extinguishing media	Water spray, Dry powder, Alcohol-resistant foam
Specific hazards during firefighting	Flash back possible over considerable distance. Do not allow run-off from fire fighting to enter drains or water courses.
Special protective equipment for firefighters	In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.
Further information	Cool containers / tanks with water spray.

6. Accidental release measures

Personal precautions	Keep people away from and upwind of spill/leak. Remove all sources of ignition. Do not breathe vapours or spray mist.
Environmental precautions	Prevent product from entering drains. Prevent further leakage or spillage if safe to do so.
Methods for cleaning up	Soak up with inert absorbent material and dispose of as hazardous waste.
Additional advice	Never return spills in original containers for re-use.

7. Handling and storage

Handling

Safe handling advice	Do not breathe vapours or spray mist. Wear personal protective equipment.
Advice on protection against fire and explosion	Keep away from open flames, hot surfaces and sources of ignition. Use explosion-proof equipment.



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Storage

Requirements for storage areas and containers Keep containers tightly closed in a cool, well-ventilated place.

8. Exposure controls/personal protection

Components with workplace control parameters

NATIONAL OCCUPATIONAL EXPOSURE LIMITS

EUROPEAN OCCUPATIONAL EXPOSURE LIMITS

Engineering measures

Provide sufficient air exchange and/or exhaust in work rooms.

Personal protective equipment

Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment.

Hand protection Impervious gloves

Eye protection Safety glasses with side-shields

Skin and body protection Safety shoes, Protective suit

Hygiene measures Wash hands before breaks and immediately after handling the product.

Protective measures Wear suitable protective equipment.

9. Physical and chemical properties

State of matter Liquid; at 20 °C; 1,013 hPa

Colour yellow

Odour Hydrocarbon-like

Melting point/range -90.5 °C

Boiling point/boiling range 38.05 - 200.05 °C

Flash point -20 °C; Closed cup

Auto-ignition temperature 250 °C

Lower explosion limit 1.3 %(V)

Upper explosion limit 7.1 %(V)



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Density	0.710 - 0.785 g/cm ³ ; 20 °C
Water solubility	Immiscible
Relative vapor density	3

10. Stability and reactivity

Materials to avoid	Oxidizing agents, Acids and bases
Hazardous decomposition products	Carbon oxides

11. Toxicological information

Acute oral toxicity	Gasoline, natural; Low boiling point naphtha: LD50 rat: 14,063 mg/kg; (literature value)
Eye irritation	Gasoline, natural; Low boiling point naphtha: human: Mild eye irritation; (literature value)

12. Ecological information

Ecotoxicity effects

Toxicity to fish	Gasoline, natural; Low boiling point naphtha: LC50 <i>Oncorhynchus mykiss</i> : 11 mg/l; 96 h; (literature value)
Toxicity to daphnia and other aquatic invertebrates	Gasoline, natural; Low boiling point naphtha: EC50 <i>Daphnia magna</i> : 12 mg/l; 48 h; (literature value)

13. Disposal considerations

Product	Dispose of in accordance with local regulations.
Contaminated packaging	Store containers and offer for recycling of material when in accordance with the local regulations.

14. Transport information

ADR	UN number: 1203; Class: 3; Packaging group: II; F1; Description of the goods: GASOLINE
RID	UN number: 1203; Class: 3; Packaging group: II; F1; Description of the goods: GASOLINE
IMDG	UN number: 1203; Class: 3; EmS: F-E, S-E; Packaging group: II; Description of the goods: GASOLINE
ICAO/IATA	UN number : 1203; Class: 3; Packaging group: II; Description of the goods: Gasoline



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15. Regulatory information

Labelling



Regulatory base	67/548/EEC
Symbol(s)	F: Highly flammable T: Toxic
R-phrases(s)	R45: May cause cancer. R46: May cause heritable genetic damage. R65: Also harmful: may cause lung damage if swallowed. R11: Highly flammable.
S-phrases(s)	S53: Avoid exposure - obtain special instructions before use. S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
Special labelling of certain mixtures	Restricted to professional users.
Hazardous components which must be listed on the label	Gasoline, natural; Low boiling point naphtha

16. Other information

Full text of R-phrases referred to under sections 2 and 3

R11	Highly flammable.
R45	May cause cancer.
R46	May cause heritable genetic damage.
R65	Harmful: may cause lung damage if swallowed.



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All reasonable efforts were exercised to compile this SDS in accordance with ISO 11014 and ANSIZ400.1. 1993. The SDS provides information regarding the health, safety and environmental hazards, at the date of issue, to facilitate the safe receipt, use and handling of the product in the workplace. Since Sasol and its subsidiaries cannot anticipate or control all conditions under which the product may be handled, used and received in the workplace, it remains the obligation of each user, receiver or handler to, prior to usage, review this SDS in the context within which the product will be received, handled or used in the workplace. The user, handler or receiver must ensure that the necessary mitigating measures are in place as regards health and safety. This does not substitute the need or requirement for any relevant risk assessments to be conducted. It further remains the responsibility of the receiver, handler or user to communicate such information to all relevant parties that may be involved in the receipt, use or handling of the product.

Although all reasonable efforts were exercised in the compilation of this SDS, Sasol does not expressly warrant the accuracy or assume any liability for the incompleteness of the information contained herein or any advice given. The product is sold and risk passes in accordance with the specific terms and conditions of sale.

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The MSDS was approved by: Shabalala, Sibongiseni (SC)