



Material Safety Data Sheet

Sasol Turbodiesel

Version 1.02

Revision Date 14.06.2012

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

Trade name	Sasol Turbodiesel
Synonyms	Sasol Turbodiesel
Use	Fuel for compression powered automotive application.
Company	Sasol Oil 32 Hill Street Randburg, 2125 Republic of South Africa
Information (Product safety)	Telephone: +27 11 889 7600 / 0860 72765 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
R40 Limited evidence of a carcinogenic effect.

Particular risks to human beings and the environment
Harmful

3. Composition/information on ingredients

Preparation on the base:

Fuels, diesel Gasoil

Contents: 100.00 %W/W

CAS-No. 68334-30-5

Symbol(s) Xn

Index-No. 649-224-00-6

R-phrase(s) -R40

EC-No. 269-822-7

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 symptoms persist, call a physician.
Eye contact	Rinse immediately with plenty of running water, also under the eyelids, for at least 15 minutes. Remove contact lenses. Call a physician immediately.
Ingestion	Do not induce vomiting without medical advice. Call a physician immediately.

5. Firefighting measures

Suitable extinguishing media	Foam, Water spray, Dry powder
Specific hazards during firefighting	Do not allow run-off from fire fighting to enter drains or water courses.
Special protective equipment for firefighters	Wear self-contained breathing apparatus and protective suit.
Further information	In the event of fire, cool 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	Avoid inhalation of vapour or mist. Wear personal protective equipment.
Advice on protection against fire and explosion	Keep away from heat and sources of ignition.



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Storage

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

8. Exposure controls/personal protection

Components with workplace control parameters

NATIONAL OCCUPATIONAL EXPOSURE LIMITS

Contains no substances with occupational exposure limit values.

EUROPEAN OCCUPATIONAL EXPOSURE LIMITS

Contains no substances with occupational exposure limit values.

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. Respirator with combination filter for vapour/particulate (EN 141).*

Hand protection *Impervious gloves*

Eye protection *Safety glasses with side-shields*

Skin and body protection *Protective suit, Safety shoes*

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

Protective measures *Wear suitable protective equipment.*

9. Physical and chemical properties

Form	<i>liquid</i>
State of matter	<i>liquid</i>
Odour	<i>Hydrocarbon-like</i>
Melting point/range	<i>-34 - -18 °C</i>
Boiling point/boiling range	<i>160 - 380 °C</i>



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Flash point	> 55 °C; Closed cup
Autoignition temperature	225 °C
Lower explosion limit	1.3 %(V)
Upper explosion limit	6 %(V)
Density	0.82 - 0.86 g/cm ³ ; 20 °C
Water solubility	Immiscible

10. Stability and reactivity

Materials to avoid	Oxidizing agents, Reducing agents
Hazardous decomposition products	Carbon oxides
Thermal decomposition	Cracking to lighter hydrocarbons.

11. Toxicological information

Acute oral toxicity	Fuels, diesel Gasoil: LD50 : 7,500 mg/kg; (literature value)
Acute inhalation toxicity	Fuels, diesel Gasoil: LC50 rat: < 10 mg/l; ; 4 h(literature value)
Acute dermal toxicity	Fuels, diesel Gasoil: LD50 rabbit: > 2,000 mg/kg; (literature value)
Skin irritation	Fuels, diesel Gasoil: rabbit: Severe skin irritation;

12. Ecological information

Ecotoxicity effects

Toxicity to fish	LC50 Brachydanio rerio: > 100 mg/l; 96 h; OECD Test Guideline 203
Toxicity to daphnia and other aquatic invertebrates	EC50 Daphnia magna: > 100 mg/l; 48 h; OECD Test Guideline 202
Toxicity to algae	EC50 Pseudokirchneriella subcapitata: > 1,000 mg/l; 72 h; OECD Test Guideline 201
Toxicity to bacteria	EC50; Vibrio fischeri; > 1,000 mg/l; 30 min

13. Disposal considerations



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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: 1202; Class: 3; Packaging group: III; F1; Description of the goods: DIESEL FUEL
RID	UN number: 1202; Class: 3; Packaging group: III; F1; Description of the goods: DIESEL FUEL
ADNR	UN number: 1202; Class: 3; Packaging group: III; F1; Description of the goods: DIESEL FUEL
IMDG	UN number: 1202; Class: 3; EmS: F-E, S-E; Packaging group: III; Description of the goods: DIESEL FUEL
ICAO/IATA	UN number : 1202; Class: 3; Packaging group: III; Description of the goods: Diesel fuel

15. Regulatory information

Labelling



Regulatory base	67/548/EEC
Symbol(s)	Xn: Harmful
R-phrases(s)	R40: Limited evidence of a carcinogenic effect.
S-phrases(s)	S36/37: Wear suitable protective clothing and gloves.
Hazardous components which must be listed on the label	Fuels, diesel Gasoil



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16. Other information

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

R40 *Limited evidence of a carcinogenic effect.*

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.

The MSDS was created by: B. SHAMASE

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