



Safety Data Sheet

Aromasol 22

Version 1.00

Revision Date 31.01.2017

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

Product identifier

Trade name Aromasol 22

Product code 7011

Relevant identified uses of the substance or mixture and uses advised against

Use Solvent.

Manufacturer or supplier's details

Company Sasol Chemicals, a division of Sasol South Africa (Pty) Ltd

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Sandton
2090
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+86 10 5100 3039 (China)
+27 (0)17 610 4444 (South Africa)
+61 (2) 8014 4558 (Australia)

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SECTION 2. Hazards identification

Classification of the substance or mixture

South Africa. GHS Classification and Labelling of Chemicals - SANS 10234		
Classification	Flammable liquids	Category 3
	Aspiration hazard	Category 1
	Germ cell mutagenicity	Category 1B
	Carcinogenicity	Category 1B
	Target Organ Systemic Toxicant - Repeated exposure	Category 1
	Skin irritation	Category 2

Label elements

South Africa. GHS Classification and Labelling of Chemicals - SANS 10234	
Pictogram	

Signal word Danger

Hazard statements

H226: Flammable liquid and vapour.
 H304: May be fatal if swallowed and enters airways.
 H340: May cause genetic defects if swallowed.
 H350: May cause cancer.
 H372: Causes damage to organs through prolonged or repeated exposure if inhaled.

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H315: Causes skin irritation.

Precautionary statements

Prevention

P210: Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P233: Keep container tightly closed.

P240: Ground/bond container and receiving equipment.

P241: Use explosion-proof electrical/ ventilating/ lighting/ equipment.

P242: Use only non-sparking tools.

P243: Take precautionary measures against static discharge.

P280: Wear protective gloves/ protective clothing/ eye protection/ face protection.

P264: Wash hands thoroughly after handling.

P201 + P202: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

P260: Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.

P270: Do not eat, drink or smoke when using this product.

P273: Avoid release to the environment.

Response

P303 + P361 + P353: IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.

P370 + P378: In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.

P302 + P352: IF ON SKIN: Wash with plenty of soap and water.

P321: Specific treatment (see supplemental first aid instructions on this label).

P332 + P313: If skin irritation occurs: Get medical advice/ attention.

P362: Take off contaminated clothing.

P314: Get medical advice/attention if you feel unwell.



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P391: Collect spillage.

P302 + P352 + P312: IF ON SKIN: Wash with plenty of soap and water. Call a POISON CENTER or doctor/ physician if you feel unwell.

Storage

P403 + P235: Store in a well-ventilated place. Keep cool.

Disposal

P501: Dispose of as hazardous waste in compliance with local and national regulations.

Other hazards

No data available

SECTION 3. Composition/information on ingredients

Mixture

Naphtha (petroleum), hydrodesulfurized heavy; Low boiling point hydrogen treated naphtha

Contents: < 30.00 %W/W

CAS-No. 64742-82-1

Index-No. 649-330-00-2

EC-No. 265-185-4

cyclohexane

Contents: < 10.00 %W/W

CAS-No. 110-82-7

Index-No. 601-017-00-1

EC-No. 203-806-2

Xylene

Contents: < 10.00 %W/W



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CAS-No. 1330-20-7

Index-No. 601-022-00-9

EC-No. 215-535-7

Hazard statements *H226 H332 H312 H315*

Octane [and isomers]

Contents: < 10.00 %W/W

CAS-No. 111-65-9

Index-No. 601-009-00-8

EC-No. 203-892-1

Hazard statements *H225 H304 H315 H336 H400 H410*

Heptane [and isomers]

Contents: < 10.00 %W/W

CAS-No. 142-82-5

Index-No. 601-008-00-2

EC-No. 205-563-8

Hazard statements *H225 H304 H336 H400 H410 H335*

Kerosine (petroleum); Straight run kerosine

Contents: < 10.00 %W/W

CAS-No. 8008-20-6

Index-No. 649-404-00-4

EC-No. 232-366-4

Hazard statements *H304 H315 H411*

methylcyclohexane

Contents: < 10.00 %W/W

CAS-No. 108-87-2

Index-No. 601-018-00-7

EC-No. 203-624-3

mesitylene; 1,3,5-trimethylbenzene

Contents: < 10.00 %W/W

CAS-No. 108-67-8

Index-No. 601-025-00-5

EC-No. 203-604-4

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Hazard statements *H226 H335 H411*

Toluene

Contents: < 5.00 %W/W

CAS-No. 108-88-3

Index-No. 601-021-00-3

EC-No. 203-625-9

Hazard statements *H304 H225 H315 H361d H373 H336*

For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4. First aid measures

Description of necessary first-aid measures

Inhalation	Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. Call a physician immediately.
Skin contact	Wash off immediately with plenty of water for at least 15 minutes. Call a physician immediately.
Eye contact	Rinse immediately with plenty of 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. If symptoms persist, call a physician.

Most important symptoms/effects, acute and delayed

Refer to SECTION 11

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SECTION 5. Firefighting measures

Suitable extinguishing media	Water spray. Dry powder. Foam.
Special hazards arising from the substance or mixture	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.

SECTION 6. Accidental release measures

Personal precautions	Use personal protective equipment. Do not breathe vapours or spray mist. Ensure adequate ventilation. Keep away from sources of ignition - No smoking.
Environmental precautions	Avoid subsoil penetration. Do not flush into surface water or sanitary sewer system.
Methods for cleaning up	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder). The material taken up must be disposed of in accordance with regulations.
Reference to other sections	Refer to Section 8 and 13

SECTION 7. Handling and storage

Safe handling advice	Wear personal protective equipment. Avoid contact with skin
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and eyes. Keep away from sources of ignition - No smoking.

Advice on protection against fire and explosion Use explosion-proof equipment. Provide sufficient air exchange and/or exhaust in work rooms. Keep away from open flames, hot surfaces and sources of ignition.

Requirements for storage areas and containers Keep containers tightly closed in a cool, well-ventilated place. Keep away from sources of ignition - No smoking.

Advice on common storage No data available

SECTION 8. Exposure controls/personal protection

Components with workplace control parameters

NATIONAL OCCUPATIONAL EXPOSURE LIMITS

Components	Type	Control parameters	Update	Basis
CYCLOHEXANE	TWA	340 mg/m ³	1995	South Africa RELs
CYCLOHEXANE	TWA	100 ppm	1995	South Africa RELs
	STEL	1,030 mg/m ³	1995	South Africa RELs
	STEL	300 ppm	1995	South Africa RELs
XYLENE, O-, M-, P- OR MIXED ISOMERS	TWA	435 mg/m ³	1995	South Africa RELs
	TWA	100 ppm	1995	South Africa RELs
XYLENE, O-, M-, P- OR MIXED ISOMERS	STEL	650 mg/m ³	1995	South Africa RELs
	STEL	150 ppm	1995	South Africa RELs
XYLENE, O-, M-, P- OR MIXED ISOMERS				

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N-OCTANE	TWA	1,450 mg/m ³	1995	South Africa RELs
N-OCTANE	TWA	300 ppm	1995	South Africa RELs
	STEL	1,800 mg/m ³	1995	South Africa RELs
	STEL	375 ppm	1995	South Africa RELs
N-HEPTANE	TWA	1,600 mg/m ³	1995	South Africa RELs
N-HEPTANE	TWA	400 ppm	1995	South Africa RELs
	STEL	2,000 mg/m ³	1995	South Africa RELs
	STEL	500 ppm	1995	South Africa RELs
TOLUENE	TWA	188 mg/m ³	1995	South Africa RELs
TOLUENE	TWA	50 ppm	1995	South Africa RELs
	STEL	560 mg/m ³	1995	South Africa RELs
	STEL	150 ppm	1995	South Africa RELs

Exposure controls

Engineering measures

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

Personal protective equipment

Respiratory protection Respirator with combination filter for vapour/particulate (EN 141)

Hand protection Solvent-resistant gloves

Eye protection Safety glasses with side-shields

Skin and body protection Protective suit. Safety shoes.

Hygiene measures Wash hands immediately after handling the product.

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SECTION 9. Physical and chemical properties

Information on basic physical and chemical properties

Form	Liquid
State of matter	Liquid; at 20 ° C; 1,013 hPa
Colour	Colourless
Odour	No information available.
Odour Threshold	No data available
pH	Not applicable
Melting point/range	-5.5 ° C
Boiling point/boiling range	166 ° C
Flash point	46 ° C; closed cup
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Auto-ignition temperature	203 ° C
Lower explosion limit	1.1 %(V)
Upper explosion limit	7 %(V)
Vapour pressure	3 hPa; 20 ° C
Relative vapour density	5.12
Density	0.774 g/cm ³ ; 20 ° C
Viscosity, dynamic	0.62 mPa.s

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SECTION 10. Stability and reactivity

Reactivity	Stable under recommended storage conditions.
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	Heating can release hazardous gases.
Conditions to avoid	Heat, flames and sparks.
Materials to avoid	Oxidizing agents. Reducing agents. Acids and bases
Hazardous decomposition products	No decomposition if stored normally.

SECTION 11. Toxicological information

Acute oral toxicity	Naphtha (petroleum), hydrodesulfurized heavy; Low boiling point hydrogen treated naphtha: LD50 Rat: male > 5,000 mg/kg; (literature value)
Acute oral toxicity	Kerosine (petroleum); Straight run kerosine: LD50 Rat: > 5,000 mg/kg; (literature value)
Acute oral toxicity	Toluene: LD50 Rat: 5,000 mg/kg; literature value;
Acute oral toxicity	Xylene: LD50 Rat: > 2,000 mg/kg; (literature value)
Acute inhalation toxicity	Kerosine (petroleum); Straight run kerosine: LC50 Rat: 4 h; > 5 mg/l; (literature value)
Acute inhalation toxicity	Toluene:

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	LC50 Mouse: 5,320 mg/l; literature value;
Acute inhalation toxicity	Xylene: LC50 Rat: 4 h; 5,000 mg/l; (literature value)
Acute inhalation toxicity	Naphtha (petroleum), hydrodesulfurized heavy; Low boiling point hydrogen treated naphtha: LC50 Rat: 6 h; > 12 mg/l; (literature value)
Acute dermal toxicity	Naphtha (petroleum), hydrodesulfurized heavy; Low boiling point hydrogen treated naphtha: LD50 Rabbit: > 2,000 mg/kg; (literature value)
Acute dermal toxicity	Kerosine (petroleum); Straight run kerosine: LD50 Rabbit: > 2,000 mg/kg; (literature value)
Acute dermal toxicity	Toluene: LD50 Rat: 12,124 mg/kg; literature value;
Acute dermal toxicity	Xylene: LD50 Rabbit: 1,700 mg/kg; (literature value)
Skin irritation	Kerosine (petroleum); Straight run kerosine: Rabbit: Irritating to skin.; Draize Test (literature value)
Skin irritation	Toluene: Rabbit: moderately irritating; (literature value)
Skin irritation	Xylene: Rabbit: moderately irritating; (literature value)
Eye irritation	Kerosine (petroleum); Straight run kerosine: Rabbit: Not irritating Draize Test (literature value)
Eye irritation	Toluene: Rabbit: Mild eye irritation (literature value)
Eye irritation	Xylene:



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Sensitisation

Rabbit: Moderate eye irritation (literature value)

Kerosine (petroleum); Straight run kerosine:

Buehler Test; Guinea pig: Did not cause sensitisation on laboratory animals.

SECTION 12. Ecological information

Toxicity to fish

Toluene:

Pimephales promelas; 96 h; LC50; 34.27 mg/l; literature value;

Toxicity to fish

Toluene:

Poecilia reticulata; 96 h; LC50; 59.3 mg/l; literature value;

Toxicity to fish

Toluene:

Cyprinodon variegatus; 96 h; LC50; 277 mg/l; literature value;

Toxicity to daphnia and other aquatic invertebrates

Toluene:

Daphnia magna; 48 h; LC50; 313 mg/l

Biodegradability

Kerosine (petroleum); Straight run kerosine:

Expected to be biodegradable

Mobility in soil

No data available

Results of PBT and vPvB assessment

This mixture contains no substance considered to be very persistent and very bioaccumulating (vPvB).

SECTION 13. Disposal considerations

Product

In accordance with local and national regulations.



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SECTION 14. Transport information

ADR

UN number: 3295

Class: 3

Packaging group: III; F1;

Proper shipping name: HYDROCARBONS, LIQUID, N.O.S.
(Toluene, Xylene)

RID

UN number: 3295

Class: 3

Packaging group: III; F1

Proper shipping name: HYDROCARBONS, LIQUID, N.O.S.
(Toluene, Xylene)

ADNR

UN number: 3295

Class: 3



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Packaging group: III; F1

Proper shipping name: HYDROCARBONS, LIQUID, N.O.S.
(Toluene, Xylene)

IMDG

UN number: 3295

Class: 3

EmS: F-E, S-D

Packaging group: III

Proper shipping name: HYDROCARBONS, LIQUID, N.O.S.
(Toluene, Xylene)

ICAO/IATA

UN number : 3295

Class: 3

Packaging group: III

Proper shipping name: HYDROCARBONS, LIQUID, N.O.S.
(Toluene, Xylene)

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SECTION 15. Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

Registration, Evaluation and Authorisation of Chemicals (REACH)	All chemical constituents are listed in: Registration, Evaluation and Authorisation of Chemicals (REACH) (See chapter 3)
Inv. of Exist. Chem. Substances in China	All chemical constituents are listed in: Inv. of Exist. Chem. Substances in China (See chapter 3)
USA TSCA Inventory	All chemical constituents are listed in: USA TSCA Inventory (See chapter 3)
Canadian Domestic Substances List (DSL)	All chemical constituents are listed in: Canadian Domestic Substances List (DSL) (See chapter 3)
Australian Inv. of Chem. Substances (AICS)	All chemical constituents are listed in: Australian Inv. of Chem. Substances (AICS) (See chapter 3)
New Zealand Inventory of Chemicals (NZIoC)	All chemical constituents are listed in: New Zealand Inventory of Chemicals (NZIoC) (See chapter 3)
Jap. Inv. of Exist. & New Chemicals (ENCS)	All chemical constituents are listed in: Jap. Inv. of Exist. & New Chemicals (ENCS) (See chapter 3)
Japan. Industrial Safety & Health Law (ISHL)	All chemical constituents are listed in: Japan. Industrial Safety & Health Law (ISHL) (See chapter 3)
Korea. Existing Chemicals Inventory (KECI)	All chemical constituents are listed in: Korea. Existing Chemicals Inventory (KECI) (See chapter 3)
Philippines Inventory of Chemicals and Chemical Substances (PICCS)	All chemical constituents are listed in: Philippines Inventory of Chemicals and Chemical Substances (PICCS) (See chapter 3)



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China Inv. Existing Chemical Substances (IECSC)

All chemical constituents are listed in: China Inv. Existing Chemical Substances (IECSC) (See chapter 3)

SECTION 16. Other information

Full text of H-Statements

- H225 Highly flammable liquid and vapour.
- H226 Flammable liquid and vapour.
- H304 May be fatal if swallowed and enters airways.
- H312 Harmful in contact with skin.
- H315 Causes skin irritation.
- H332 Harmful if inhaled.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- H361d Suspected of damaging the unborn child.
- H373 May cause damage to organs through prolonged or repeated exposure.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.
- H411 Toxic to aquatic life with long lasting effects.

All reasonable efforts were exercised to compile this SDS in accordance with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS). The SDS only provides information regarding the health, safety and environmental hazards at the date of issue, to facilitate the safe receipt, use and handling of this product in the workplace and does not replace any product information or product specifications. Since Sasol and its subsidiaries cannot anticipate or control all conditions under which this 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



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SDS in the context within which this 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 with respect to 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 this product.

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