



Safety Data Sheet

Thinsol 110

Version 1.03

Revision Date 27.02.2018

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

Product identifier

Trade name Thinsol 110

Product code 7864

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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SECTION 2. Hazards identification

Classification of the substance or mixture

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

Classification

Flammable Liquids	Category 2
Harmful if swallowed.	Category 4
Skin irritation	Category 2
Eye irritation	Category 2A
Toxic to Reproduction	Category 2
STOT SE: Specific target organ toxicity - single exposure (respiratory tract irritation)	Category 3
May cause drowsiness or dizziness. Suspected of damaging fertility or unborn child.	Category 3

Label elements

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

Pictogram



Signal word

Danger

Hazard statements

H225: Highly flammable liquid and vapour.
 H302: Harmful if swallowed.
 H315: Causes skin irritation.

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H319: Causes serious eye irritation.
H361d: Suspected of damaging the unborn child.
H335: May cause respiratory irritation.
H336: May cause drowsiness or dizziness.

Precautionary statements

Prevention

P210: Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P241: Use explosion-proof electrical/ ventilating/ lighting equipment.
P243: Take precautionary measures against static discharge.
P280: Wear protective gloves/ 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.
P270: Do not eat, drink or smoke when using this product.
P271: Use only outdoors or in a well-ventilated area.

Response

P337 + P313: If eye irritation persists: Get medical advice/ attention.
P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
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.
P361: Remove/Take off immediately all contaminated clothing.
P304 + P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P312: Call a POISON CENTER/doctor if you feel unwell.

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Storage	P403 + P233 + P235: Store in a well-ventilated place. Keep container tightly closed. Keep cool.
Disposal	P501 Dispose of contents/container to an approved facility in accordance with local, regional, national and international regulations.
Other hazards	No data available

SECTION 3. Composition/information on ingredients

Mixture

Acetone

Contents: < 20.00 %W/W

CAS-No. 67-64-1

Index-No. 606-001-00-8

EC-No. 200-662-2

Hazard statements *H225 H319 H336*

2-Butoxyethanol; Ethylene glycol monobutyl ether butyl cellosolve

Contents: < 10.00 %W/W

CAS-No. 111-76-2

Index-No. 603-014-00-0

EC-No. 203-905-0

Hazard statements *H302 H315 H319 H332 H312*

Ethanol; Ethyl alcohol

Contents: <= 15.00 %W/W

CAS-No. 64-17-5

Index-No. 603-002-00-5

EC-No. 200-578-6

Hazard statements *H225 H319*

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n-Propanol

Contents: <= 25.00 %W/W

CAS-No. 71-23-8

Index-No. 603-003-00-0

EC-No. 200-746-9

Hazard statements *H225 H318 H336*

Butan-2-ol

Contents: <= 20.00 %W/W

CAS-No. 78-92-2

Index-No. 603-004-01-3

EC-No. 201-158-5

Hazard statements *H319 H335 H336 H226*

Toluene

Contents: <= 25.00 %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 H335*

H319 H412 H372 H411 H226

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. Monitor breathing, get medical attention immediately

Skin contact

Wash off immediately with plenty of water for at least 15

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	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. Call a physician immediately.
Ingestion	If swallowed, seek medical advice immediately and show this container or label. Prevent vomiting if possible. If a person vomits when lying on his back, place him in the recovery position. Never give anything by mouth to an unconscious person.

Most important symptoms/effects, acute and delayed

Refer to SECTION 11

SECTION 5. Firefighting measures

Suitable extinguishing media	Foam. Dry powder.
Special hazards arising from the substance or mixture	Flash back possible over considerable distance.
Special protective equipment for firefighters	Wear self-contained breathing apparatus and protective suit.

SECTION 6. Accidental release measures

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- 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.
- Reference to other sections** Refer to Section 8 and 13

SECTION 7. Handling and storage

- Safe handling advice** Avoid inhalation of vapour or mist. Provide sufficient air exchange and/or exhaust in work rooms. Wear personal protective equipment.
- Advice on protection against fire and explosion** Keep away from heat and sources of ignition. Use only explosion-proof equipment.
- Requirements for storage areas and containers** Keep containers tightly closed in a dry, cool and well-ventilated place.
- 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



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ACETONE	TWA	1,780 mg/m ³	1995	South Africa RELs
ACETONE	TWA	750 ppm	1995	South Africa RELs
ACETONE	STEL	3,560 mg/m ³	1995	South Africa RELs
	STEL	1,500 ppm	1995	South Africa RELs
2-BUTOXYETHANOL	TWA	120 mg/m ³	1995	South Africa Control Limits
2-BUTOXYETHANOL	TWA	25 ppm	1995	South Africa Control Limits
ETHYLENE GLYCOL	TWA	120 mg/m ³	1995	South Africa RELs
MONOBUTYL ETHER	TWA	25 ppm	1995	South Africa RELs
ETHYLENE GLYCOL				
MONOBUTYL ETHER				
N-PROPANOL	TWA	500 mg/m ³	1995	South Africa RELs
N-PROPANOL	TWA	200 ppm	1995	South Africa RELs
PROPAN-1-OL	STEL	625 mg/m ³	1995	South Africa RELs
PROPAN-1-OL	STEL	250 ppm	1995	South Africa RELs
SEC-BUTYL ALCOHOL	TWA	300 mg/m ³	1995	South Africa RELs
SEC-BUTYL ALCOHOL	TWA	100 ppm	1995	South Africa RELs
	STEL	450 mg/m ³	1995	South Africa RELs
	STEL	150 ppm	1995	South Africa RELs
ETHYL ALCOHOL	TWA	1,900 mg/m ³	1995	South Africa RELs
ETHANOL	TWA	1,000 ppm	1995	South Africa RELs
TOLUENE	TWA	188 mg/m ³	1995	South Africa RELs
TOLUENE	TWA	50 ppm	1995	South Africa RELs
TOLUENE	STEL	560 mg/m ³	1995	South Africa RELs
	STEL	150 ppm	1995	South Africa RELs

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Exposure controls

Engineering measures

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

Personal protective equipment

Respiratory protection Respirator with a vapour filter (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 before breaks and immediately after handling the product.

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	Neutral
Melting point/range	-70.4 ° C

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Boiling point/boiling range	67 ° C
Flash point	-6 ° C; closed cup
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Auto-ignition temperature	238 ° C
Lower explosion limit	1.1 %(V)
Upper explosion limit	12.7 %(V)
Vapour pressure	61.23 hPa; 20 ° C
Relative vapour density	4.1
Density	0.80 g/cm ³
Water solubility	Immiscible, Insoluble
Viscosity, dynamic	0.80 mPa.s; 20 ° C

SECTION 10. Stability and reactivity

Reactivity	Stable under recommended storage conditions.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	None known.
Conditions to avoid	Heat
Materials to avoid	Oxidizing agents. Reducing agents.
Hazardous decomposition products	Carbon oxides.

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SECTION 11. Toxicological information

Acute oral toxicity	Acetone: LD50 Rat: > 2,000 mg/kg; (literature value)
Acute oral toxicity	Ethanol; Ethyl alcohol: LD50 Rat: > 2,000 mg/kg; OECD Test Guideline 401; (literature value)
Acute oral toxicity	2-Butoxyethanol; Ethylene glycol monobutyl ether butyl cellosolve: LD50 Rat: ca.> 2,000 mg/kg; (literature value)
Acute oral toxicity	n-Propanol: LD50 Oral Rat: > 2,000 mg/kg; (literature value)
Acute oral toxicity	Butan-2-ol: LD50 Oral Rat: > 2,000 mg/kg; (literature value)
Acute oral toxicity	Toluene: LD50 Rat: 5,000 mg/kg; literature value;
Acute inhalation toxicity	Acetone: LC50 Rat: 4 h; > 20 mg/l; GLP: no; (literature value)
Acute inhalation toxicity	Ethanol; Ethyl alcohol: LC50 Mouse: 4 h; > 20 mg/l; (literature value)
Acute inhalation toxicity	2-Butoxyethanol; Ethylene glycol monobutyl ether butyl cellosolve: 4 h; 11 mg/l;
Acute inhalation toxicity	n-Propanol: LC50 Rat: 4 h; > 20 mg/l; (literature value)
Acute inhalation toxicity	Butan-2-ol:

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	LC50 Rat: 4 h; > 100 mg/l; (literature value)
Acute inhalation toxicity	Toluene: LC50 Mouse: 5,320 mg/l; literature value;
Acute dermal toxicity	Acetone: LD50 Rabbit: > 2,000 mg/kg; (literature value)
Acute dermal toxicity	Ethanol; Ethyl alcohol: LD50 Dermal Rabbit: > 2,000 mg/kg; OECD Test Guideline 402; (literature value)
Acute dermal toxicity	2-Butoxyethanol; Ethylene glycol monobutyl ether butyl cellosolve: LD50 Rat: > 2,000 mg/kg; (literature value)
Acute dermal toxicity	n-Propanol: LD50 Dermal Rabbit: > 2,000 mg/kg; (literature value)
Acute dermal toxicity	Butan-2-ol: LD50 Dermal Rat: > 2,000 mg/kg; (literature value)
Acute dermal toxicity	Toluene: LD50 Rat: 12,124 mg/kg; literature value;
Skin irritation	Acetone: Rabbit: moderately irritating; GLP: no; (literature value)
Skin irritation	Ethanol; Ethyl alcohol: Rabbit: Not irritating; OECD Test Guideline 404 (literature value)
Skin irritation	n-Propanol: Rabbit: Not irritating; Draize Test (literature value)
Skin irritation	Toluene: Rabbit: moderately irritating; (literature value)

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Eye irritation	Acetone: Rabbit: irritating GLP: no; (literature value)
Eye irritation	Ethanol; Ethyl alcohol: Rabbit: irritating OECD Test Guideline 405 (literature value)
Eye irritation	Toluene: Rabbit: Mild eye irritation (literature value)
Sensitisation	Ethanol; Ethyl alcohol: Maximisation Test; Guinea pig: Not sensitizing; OECD Test Guideline 406; (literature value)
Sensitisation	n-Propanol: Maximisation Test; Guinea pig: Not sensitizing; (literature value)
Repeated dose toxicity	Ethanol; Ethyl alcohol: Oral Rat; 90-day; NOAEL Early embryonic development 1,730 mg/kg Lowest observed adverse effect level 3,160 mg/kg
Mutagenicity	Ethanol; Ethyl alcohol: Ames test: Salmonella typhimurium; with and without; Not mutagenic; OECD Test Guideline 471; (literature value)
Mutagenicity	Acetone: Ames test: Salmonella typhimurium; with and without; Not mutagenic; GLP: no; (literature value)
Mutagenicity	n-Propanol: Ames test: Salmonella typhimurium; with and without; Not mutagenic; (literature value)

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SECTION 12. Ecological information

Toxicity to fish	Acetone: static test; <i>Salmo gairdneri</i> ; 96 h; LC50; > 100 mg/l; (literature value)
Toxicity to fish	Ethanol; Ethyl alcohol: static test; <i>Leuciscus idus</i> ; 48 h; LC50; > 100 mg/l; OECD Test Guideline 203; (literature value)
Toxicity to fish	2-Butoxyethanol; Ethylene glycol monobutyl ether butyl cellosolve: static test; <i>Carassius auratus</i> (goldfish); 24 h; LC50; (literature value)
Toxicity to fish	n-Propanol: semi-static test; <i>Leuciscus idus</i> ; 96 h; LC50; > 100 mg/l; (literature value)
Toxicity to fish	Butan-2-ol: <i>Pimephales promelas</i> ; 96 h; LC50; 2,993 mg/l; (literature value)
Toxicity to fish	Toluene: <i>Pimephales promelas</i> ; 96 h; LC50; 34.27 mg/l; literature value;
Toxicity to fish	Toluene: <i>Poecilia reticulata</i> ; 96 h; LC50; 59.3 mg/l; literature value;
Toxicity to fish	Toluene: <i>Cyprinodon variegatus</i> ; 96 h; LC50; 277 mg/l; literature value;
Toxicity to daphnia and other aquatic invertebrates	Acetone: static test; <i>Daphnia magna</i> (Water flea); 48 h; > 100

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	mg/l(literature value)
Toxicity to daphnia and other aquatic invertebrates	Ethanol; Ethyl alcohol: static test; Daphnia magna (Water flea); 24 h; EC50; > 100 mg/l(literature value)
Toxicity to daphnia and other aquatic invertebrates	2-Butoxyethanol; Ethylene glycol monobutyl ether butyl cellosolve: Daphnia magna; 96 h; LC50; 550 - 950 mg/l(literature value)
Toxicity to daphnia and other aquatic invertebrates	n-Propanol: static test; Daphnia magna (Water flea); 48 h; EC50; > 100 mg/l(literature value)
Toxicity to daphnia and other aquatic invertebrates	Butan-2-ol: Daphnia magna (Water flea); 24 h; 2,300 mg/l(literature value)
Toxicity to daphnia and other aquatic invertebrates	Toluene: Daphnia magna; 48 h; LC50; 313 mg/l
Toxicity to algae	Acetone: static test; Pseudokirchneriella subcapitata (green algae)EC50; > 100 mg/l; (literature value)
Toxicity to algae	Ethanol; Ethyl alcohol: static test; Chlorella pyrenoidosaEC50; > 100 mg/l; OECD Test Guideline 201; (literature value)
Toxicity to algae	n-Propanol: static test; Pseudokirchneriella subcapitata (green algae)EC50; > 100 mg/l; literature value
Toxicity to algae	Butan-2-ol: Scenedesmus quadricauda95 mg/l; literature value
Toxicity to bacteria	Ethanol; Ethyl alcohol:

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	Pseudomonas putida; 16 h; 6,500 mg/l; no; Toxicity to bacteria
Biodegradability	Acetone: Readily biodegradable.; (literature value)
Biodegradability	Ethanol; Ethyl alcohol: aerobic; > 70 %; 5 d; Readily biodegradable.; OECD Guideline 301 D; (literature value)
Biodegradability	n-Propanol: aerobic; Readily biodegradable.; (literature value)
Biodegradability	Butan-2-ol: Readily 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).
Chemical Oxygen Demand (COD)	Ethanol; Ethyl alcohol: ca.1,700 mg/g; Directive 84/449/EEC, C.9; GLP: no;

SECTION 13. Disposal considerations

Product Dispose of in accordance with local regulations.

SECTION 14. Transport information

ADR

UN number: 1263

Class: 3

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Packaging group: II; F1;

Proper shipping name: PAINT RELATED MATERIAL

RID

UN number: 1263

Class: 3

Packaging group: II; F1

Proper shipping name: PAINT RELATED MATERIAL

ADNR

UN number: 1263

Class: 3

Packaging group: II; F1

Proper shipping name: PAINT RELATED MATERIAL

IMDG

UN number: 1263

Class: 3

EmS: F-E, S-E

Packaging group: II



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Proper shipping name: PAINT RELATED MATERIAL

ICAO/IATA

UN number : 1263

Class: 3

Packaging group: II

Proper shipping name: PAINT RELATED MATERIAL

SECTION 15. Regulatory information

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

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)

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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)
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.
- H302 Harmful if swallowed.
- H304 May be fatal if swallowed and enters airways.
- H312 Harmful in contact with skin.
- H315 Causes skin irritation.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- H361d Suspected of damaging the unborn child.
- H372 Causes damage to organs through prolonged or repeated exposure.



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- H373 May cause damage to organs through prolonged or repeated exposure.
- H411 Toxic to aquatic life with long lasting effects.
- H412 Harmful 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 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.

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