Safety Data Sheet

Thinsol 110

Version 1.01 Revision Date 17.11.2021

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 Ltd
Address	Sasol Place, 50 Katherine Street Sandton 2090 South Africa
Telephone	+27103445000
E-mail address	sasolchem.info.sa@sasol.com
Emergency telephone number	+44 (0)1235 239 670 (Europe, Israel, Africa, Americas) +44(0)1235 239 671 (Middle East, Arabic African countries) +65 3158 1074 (Asia Pacific) +86 400 120 6011 (China) +27 (0)17 610 4444 (South Africa) 0800 112 890 RSA-Local only +61 (2) 8014 4558 (Australia)

SECTION 2. Hazards identification

Classification of the substance or mixture

REGULATION (EC) No 1272/2008

Classification	Flammable liquids	Category 3
	Aspiration hazard	Category 1
	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 1

Specific target organ toxicity - single exposure	Category 3
Reproductive toxicity	Category 2
Specific target organ toxicity - repeated exposure	Category 2

Label elements

REGULATION (EC) No 1272/2008

Hazard pictograms :



Signal word : Danger

Hazard statements :

H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin 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.
H318 Causes serious eye damage.

Precautionary statements

Prevention	P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. P264 Wash the contact area thoroughly after handling. P233 Keep container tightly closed.
Response	P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. P337 + P313 If eye irritation persists: Get medical advice/ attention. P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish. P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P331 Do NOT induce vomiting.
Storage	P403 + P235 Store in a well-ventilated place. Keep cool. P405 Store locked up.
Disposal	P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3. Composition/information on ingredients

HAZARDOUS INGREDIENTS

Propan-1-ol

Contents: < 30.00 %W/W

CAS-No. 71-23-8 **Index-No.** 603-003-00-0 **EC-No.** 200-746-9

Hazard statements *H225 H318 H336*

Toluene

Contents: < 25.00 %W/W

CAS-No. 108-88-3 **Index-No.** 601-021-00-3 **EC-No.** 203-625-9

Hazard statements *H225 H315 H373 H304 H336 H361d*

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*

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*

Ethanol

Contents: < 20.00 %W/W

CAS-No. 64-17-5 **Index-No.** 603-002-00-5 **EC-No.** 200-578-6

Hazard statements *H225*

2-butoxyethanol

Contents: < 10.00 %W/W

CAS-No. 111-76-2 **Index-No.** 603-014-00-0 **EC-No.** 203-905-0

Hazard statements *H319 H315 H302 H332*

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 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

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
ACETONE	TWA	1,780 mg/m3	1995	South Africa RELs
ACETONE	TWA	750 ppm	1995	South Africa RELs
ACETONE	STEL	3,560 mg/m3	1995	South Africa RELs
	STEL	1,500 ppm	1995	South Africa RELs

2-BUTOXYETHANOL	TWA	120 mg/m3	1995	South Africa Control Limits
2-BUTOXYETHANOL	TWA	25 ppm	1995	South Africa Control Limits
ETHYLENE GLYCOL MONOBUTYL ETHER	TWA	120 mg/m3	1995	South Africa RELs
ETHYLENE GLYCOL MONOBUTYL ETHER	TWA	25 ppm	1995	South Africa RELs
N-PROPANOL	TWA	500 mg/m3	1995	South Africa RELs
N-PROPANOL	TWA	200 ppm	1995	South Africa RELs
PROPAN-1-OL	STEL	625 mg/m3	1995	South Africa RELs
PROPAN-1-OL	STEL	250 ppm	1995	South Africa RELs
SEC-BUTYL ALCOHOL	TWA	300 mg/m3	1995	South Africa RELs
SEC-BUTYL ALCOHOL	TWA	100 ppm	1995	South Africa RELs
	STEL	450 mg/m3	1995	South Africa RELs
	STEL	150 ppm	1995	South Africa RELs
ETHYL ALCOHOL	TWA	1,900 mg/m3	1995	South Africa RELs
ETHANOL	TWA	1,000 ppm	1995	South Africa RELs
TOLUENE	TWA	188 mg/m3	1995	South Africa RELs
TOLUENE	TWA	50 ppm	1995	South Africa RELs
TOLUENE	STEL	560 mg/m3	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 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	Clear, colourless
Odour	No data available.
Odour Threshold	No data available.
pH	Not applicable.
Melting point/range	No data available.
Boiling point/boiling range	74 - 166 ° C; ASTM D86
Flash point	< 10 ° C; ASTM D 93 - 85; closed cup;
Evaporation rate	No data available.
Flammability (solid, gas)	No data available.
Auto-ignition temperature	No data available.
Lower explosion limit	No data available.
Upper explosion limit	No data available.
Vapour pressure	No data available.
Relative vapour density	No data available.
Density	0.82 g/cm3; 20 ° C; ASTM D4052
Water solubility	Partly soluble
Partition coefficient: n-octanol/water	No data available.
Viscosity, kinematic	1.17 mm2/s; 20 ° C; ASTM D 445

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

SECTION 11. Toxicological information

Skin irritation	Acetone: Rabbit: Irritating; GLP: no; (literature value)
Skin irritation	Ethanol; Ethyl alcohol: Rabbit: Not irritating; OECD Test Guideline 404 (literature value)
Skin irritation	Propan-1-ol: Rabbit: Not irritating; Draize Test (literature value)
Skin irritation	Toluene: Rabbit: moderately irritating; (literature value)
Eye irritation	Acetone: Rabbit: Irritating GLP: no; (literature value)
Eye irritation	Ethanol; Ethyl alcohol: Rabbit: Irritating OECD Test Guideline 405 (literature value)
Sensitisation	Ethanol; Ethyl alcohol: Maximisation Test; Guinea pig: Not sensitizing; OECD Test Guideline 406; (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; Not mutagenic; GLP: no; (literature value)
Mutagenicity	Propan-1-ol: Ames test: Salmonella typhimurium; Not mutagenic; (literature value)

SECTION 12. Ecological information

Toxicity to fish	Acetone: static test; Salmo gairdneri; 96 h; LC50; > 100 mg/l; (literature value)
Toxicity to fish	Ethanol; Ethyl alcohol: static test; Leuciscus idus; 48 h; LC50; > 100 mg/l; OECD Test Guideline 203; (literature value)
Toxicity to fish	2-butoxyethanol: static test; Carassius auratus (goldfish); 24 h; LC50; (literature value)
Toxicity to fish	Propan-1-ol: static test; Pimephales promelas; 96 h; LC50; 4,650 mg/l; GLP: no; (literature value)
Toxicity to fish	Butan-2-ol: static test; Pimephales promelas; 96 h; LC50; 2,993 mg/l; (literature value)
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	Acetone: static test; Daphnia magna (Water flea); 48 h; > 100 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: Daphnia magna; 96 h; LC50; 550 - 950 mg/l(literature value)
Toxicity to daphnia and other aquatic invertebrates	Propan-1-ol: static test; Daphnia magna (Water flea); 48 h; EC50; 3,644 mg/l(literature value)
Toxicity to daphnia and other aquatic invertebrates	Butan-2-ol: static test; Daphnia magna (Water flea); 24 h; EC50; 2,300

	mg/lGLP: no; (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 bacteria	Ethanol; Ethyl alcohol: 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	Propan-1-ol: aerobic; 3 mg/l; 81 %; 20 d; Readily biodegradable.; (literature value)
Biodegradability	Butan-2-ol: aerobic; 86 %; 5 d; GLP: no; (literature value)
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.
Packaging	Dispose of spent product packaging responsibly and lawfully with due consideration for health, safety and the environment.

SECTION 14. Transport information

DG Pictogram



ADR

UN number:	1263
Class:	3
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
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)
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.
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.
H373	May cause damage to organs through prolonged or repeated exposure.

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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