



Safety Data Sheet

Thinsol 160

Version 1.00

Revision Date 30.11.2020

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

Product identifier

Trade name Thinsol 160
Product code 7788

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

Use Solvent. Paint related material

Manufacturer or supplier's details

Company Sasol Chemicals, a division of Sasol South Africa Ltd
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South Africa

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+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
	Skin irritation	Category 2
	Serious eye damage	Category 2A
	Reproductive toxicity	Category 2
	Specific target organ toxicity - single	Category 3

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exposure (Central nervous system)
 Specific target organ toxicity - repeated exposure Category 2
 Aspiration hazard Category 1

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.
 H319 Causes serious eye 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.

Precautionary statements

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Prevention

- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
- P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
- P264 Wash the contact area thoroughly after handling.
- P233 Keep container tightly closed.

Response

- P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
- P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.
- P331 Do NOT induce vomiting.
- P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

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

Mixture

Toluene

Contents: < 50.00 %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

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Propan-1-ol

Contents: < 20.00 %W/W

CAS-No. 71-23-8

Index-No. 603-003-00-0

EC-No. 200-746-9

Hazard statements *H226 H318 H336*

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

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*

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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.

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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
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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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	TWA	120 mg/m3	1995	South Africa RELs
MONOBUTYL ETHER	TWA	25 ppm	1995	South Africa RELs
ETHYLENE GLYCOL				
MONOBUTYL ETHER				
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

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

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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
Boiling point/boiling range	73.7 - 168.4 ° C; ASTM D86
Flash point	26 ° C; ASTM D 93-85; 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	62.8 hPa
Relative vapour density	4.1
Density	0.84 g/cm ³ ; 20 ° C; ASTM D4052
Bulk density	No data available
Water solubility	Insoluble
Viscosity, kinematic	0.77 mm ² /s; 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

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Skin irritation	Toluene: Rabbit: moderately irritating; (literature value)
Skin irritation	Acetone: Rabbit: irritating; GLP: no; (literature value)
Skin irritation	Propan-1-ol: Rabbit: Not irritating; Draize Test (literature value)
Eye irritation	Acetone: Rabbit: irritating GLP: no; (literature value)
Eye irritation	Propan-1-ol: Rabbit: Risk of serious damage to eyes. Draize Test (literature value)
Sensitisation	Propan-1-ol: Maximisation Test; Guinea pig: Not sensitizing; (literature value)
Mutagenicity	Acetone: Ames test: Salmonella typhimurium; Not mutagenic; GLP: no; (literature value)

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 fish	2-butoxyethanol: static test; Carassius auratus (goldfish); 24 h; LC50; (literature value)
Toxicity to fish	Acetone: static test; Salmo gairdneri; 96 h; LC50; > 100 mg/l; (literature value)
Toxicity to fish	Butan-2-ol: Pimephales promelas; 96 h; LC50; 2,993 mg/l; (literature value)

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Toxicity to fish	Propan-1-ol: semi-static test; Leuciscus idus; 96 h; LC50; > 100 mg/l; (literature value)
Toxicity to daphnia and other aquatic invertebrates	Toluene: Daphnia magna; 48 h; LC50; 313 mg/l
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	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; > 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 algae	Acetone: static test; Pseudokirchneriella subcapitata (green algae)EC50; > 100 mg/l; (literature value)
Toxicity to algae	Propan-1-ol: static test; Pseudokirchneriella subcapitata (green algae)EC50; > 100 mg/l; (literature value)
Toxicity to algae	Butan-2-ol: Scenedesmus quadricauda95 mg/l; (literature value)
Biodegradability	Acetone: Readily biodegradable.; (literature value)
Biodegradability	Propan-1-ol: aerobic; Readily biodegradable.; (literature value)
Biodegradability	Butan-2-ol: Readily biodegradable.

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

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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

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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



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- 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.
- 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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