

**SAFETY DATA SHEET**  
STANDARD THINNER

**1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING**

**Product name:** STANDARD THINNER

**Product code:** S150

**Use of substance / preparation:** Used for cleaning machinery and in Base Coat thinners and Primers.

**Company name:** Solvents With Safety Ltd

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**2. HAZARDS IDENTIFICATION**

**Main hazards:** Highly flammable. Harmful by inhalation, in contact with skin and if swallowed. Irritating to eyes and skin. Harmful: danger of serious damage to health by prolonged exposure through inhalation. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Possible risk of impaired fertility. Possible risk of harm to the unborn child. Harmful: may cause lung damage if swallowed. Vapours may cause drowsiness and dizziness.

**Other hazards:** Limited evidence of a carcinogenic effect. Irritating to eyes and skin. Harmful: damage to health by prolonged exposure through inhalation. Possible risk of impaired fertility. Possible risk of harm to unborn child. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Vapours may cause drowsiness and dizziness. Harmful: may cause lung damage if swallowed. Highly Flammable Classification: Xn;R48/20, R65. Carc 3;R40, Rep 3;R62, R63. Xi;R36/38. F:R11. N;R61/63. R67.

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

**Hazardous ingredients:** ACETONE 10-30%

EINECS: 200-662-2 CAS: 67-64-1

[F] R11; [Xi] R36; [-] R66; [-] R67

- BUTAN-1-OL 1-10%

EINECS: 200-751-6 CAS: 71-36-3

[-] R10; [Xn] R22; [Xi] R37/38; [Xi] R41; [-] R67

- ETHYL METHYL KETONE 1-10%

EINECS: 201-159-0 CAS: 78-93-3

[F] R11; [Xi] R36; [-] R66; [-] R67

- N-BUTYL ACETATE 1-10%

EINECS: 204-658-1 CAS: 123-86-4

[-] R10; [-] R66; [-] R67

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- ETHANOL 1-10%  
EINECS: 200-578-6 CAS: 64-17-5  
[F] R11
- ETHYL ACETATE 1-10%  
EINECS: 205-500-4 CAS: 141-78-6  
[F] R11; [Xi] R36; [-] R66; [-] R67
- N-HEXANE 1-10%  
EINECS: 203-777-6 CAS: 110-54-3  
[F] R11; [Xi] R38; [Xn] R48/20; [Xn] R62; [Xn] R65; [-] R67; [N] R51/53
- ISO PROPYL ACETATE 1-10%  
EINECS: 203-561-1 CAS: 108-21-4  
[F] R11; [Xi] R36; [-] R66; [-] R67
- METHYL ACETATE 1-10%  
EINECS: 201-185-2 CAS: 79-20-9  
[F] R11; [Xi] R36; [-] R66; [-] R67
- PROPAN-2-OL 1-10%  
EINECS: 200-661-7 CAS: 67-63-0  
[F] R11; [Xi] R36; [-] R67
- TOLUENE 30-50%  
EINECS: 203-625-9 CAS: 108-88-3  
[F] R11; [Xi] R38; [Xn] R48/20; [Xn] R63; [Xn] R65; [-] R67
- XYLENE #3 1-10%
- DI PROPYL METHANE 1-10%  
EINECS: 205-563-8 CAS: 142-82-5  
[F+] R12; [Xi] R38; [N] R50/53; [Xn] R65; [-] R67
- 4-METHYLPENTAN-2-ONE 1-10%  
EINECS: 203-550-1 CAS: 108-10-1  
[F] R11; [Xn] R20; [Xi] R36/37; [-] R66

**4. FIRST AID MEASURES (SYMPTOMS)**

**Skin contact:** Repeated or prolonged contact may produce defatting of the skin leading to irritation and dermatitis.  
May cause skin irritation and burns (corrosive). Toxic through skin absorption (percutaneous)

**Eye contact:** Repeated exposure may cause chronic eye irritation. May cause chemical eye burns.

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**Ingestion:** Swallowing concentrated chemical may cause severe internal injury. Unconsciousness, death.

**Inhalation:** Extreme irritation of mucous membranes, including burning and tearing. nausea, vomiting unconsciousness, possibly death. Central nervous system depression, drowsiness, dizziness, disorientation, vertigo. behavioural changes, Hypotension.

**4. FIRST AID MEASURES (ACTION)**

**Skin contact:** Remove affected person from source of contamination. Promptly wash contaminated skin with soap or mild detergent and water. Get medical attention if irritation persists after washing.

**Eye contact:** Promptly wash eyes with plenty of water while lifting the eye lids. Get medical attention immediately. Continue to rinse.

**Ingestion:** NEVER MAKE AN UNCONCIOUS PERSON VOMIT OR DRINK FLUIDS!

**Inhalation:** Move the exposed person to fresh air at once. Perform artificial respiration if breathing has stopped. Keep the affected person warm and at rest. Get prompt medical attention.

**5. FIRE-FIGHTING MEASURES**

**Extinguishing media:** Carbon dioxide (CO<sub>2</sub>). Dry chemicals, sand, dolomite etc.

**Exposure hazards:** May explode in a fire. May develop highly toxic or corrosive fumes if heated. May form explosive or toxic mixtures with air. May explode when heated or exposed to flames or sparks. May travel considerable distance to source of ignition

**Protection of fire-fighters:** Keep run-off water out of sewers and water courses. Dike for water control. Cool containers exposed to flames with water until well after the fire is out. Withdraw immediately in case of rising sound from venting safety device or any discolouration of tanks due to fire. For massive fire in carego area, use unmanned hoze holder or monitor nozzles, if possible. If not, withdraww and let fire burn out. If risk of water pollution occurs, notify appropriate authorities.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions:** Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid. Eliminate all sources of ignition.

**Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding.

**Clean-up procedures:** Ventilate well, stop flow of gas or liquid if possible. Remove ignition sources. Do not allow chemical to enter confined spaces such as sewers due to explosion risk. Sewers designed to preclude formation of explosive concentrations of vapour may be permitted. Absorb small quantities with paper towels and evaporate in safe place (fume hood). Allow sufficient time for vapours to completely clear the hood ducts, then burn the paper in a location away from combustible materials. Dike far ahead of larger spills for later disposal. Flush area with flooding amounts of water. Clean up personnel should wear suitable protective equipment.

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**Handling requirements:** Keep ignition sources away - Do not smoke. Protect against electrostatic charges. Use in well ventilated area. Avoid inhaling vapour. Avoid contact with eyes, skin and clothing. Use approved respirator if air contamination is above the expected level. Avoid acids, moisture, and combustible materials. Wear full protective clothing for prolonged exposure and/or high concentrations.

**Storage conditions:** Flammable/Combustible-Keep away from oxidisers heat and flames. May attack some plastic, rubber and coatings. Keep in cool, dry, ventilated storage and closed containers. Ground container and transfer equipment to eliminate static electric sparks.

**Suitable packaging:** Flammable liquid storage.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Hazardous ingredients:** ACETONE

WEL (8 hr TWA): 1210 mg/m<sup>3</sup> (OES) WEL (15 min STEL): 3620 mg/m<sup>3</sup> (OES)

- BUTAN-1-OL

WEL (15 min STEL): 154 mg/m<sup>3</sup>

- ETHYL METHYL KETONE

WEL (8 hr TWA): 600 mg/m<sup>3</sup> WEL (15 min STEL): 899 mg/m<sup>3</sup>

- N-BUTYL ACETATE

WEL (8 hr TWA): 724 mg/m<sup>3</sup> WEL (15 min STEL): 966 mg/m<sup>3</sup>

- ETHANOL

WEL (8 hr TWA): 1920 mg/m<sup>3</sup>

- ETHYL ACETATE

WEL (8 hr TWA): 400 ppm

- N-HEXANE

WEL (8 hr TWA): 72 mg/m<sup>3</sup>

- METHYL ACETATE

WEL (8 hr TWA): 616 mg/m<sup>3</sup> WEL (15 min STEL): 770 mg/m<sup>3</sup>

- PROPAN-2-OL

WEL (8 hr TWA): 999 mg/m<sup>3</sup> WEL (15 min STEL): 1250 mg/m<sup>3</sup>

- TOLUENE

WEL (8 hr TWA): 191 mg/m<sup>3</sup> WEL (15 min STEL): 574 mg/m<sup>3</sup>

- 4-METHYLPENTAN-2-ONE

WEL (8 hr TWA): 208 mg/m<sup>3</sup> WEL (15 min STEL): 416 mg/m<sup>3</sup>

**Engineering measures:** Ensure there is sufficient ventilation of the area. Ensure there is exhaust ventilation of the area.

**Respiratory protection:** Self-contained breathing apparatus must be available in case of emergency.

**Hand protection:** Protective gloves. PVA gloves. Viton gloves. P.T.F.E (teflon)

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**Eye protection:** If risk of splashing, wear safety goggles or face shield. Ensure safety glasses conform to EN 166.

**Skin protection:** Protective clothing. Wash hands after handling compounds and before eating, smoking, using lavatory and at the end of the day. Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**State:** Liquid

**Colour:** Colourless to pale yellow.

**Odour:** Characteristic odour

**Solubility in water:** Insoluble in water. Soluble in Acetone Miscible with Alcohol Chloroform Ether.

**Also soluble in:** Most organic solvents.

**Flash point°C:** <21 CC

**10. STABILITY AND REACTIVITY**

**Stability:** Avoid heat, sparks, flames. Moisture.

**Conditions to avoid:** Heat. Hot surfaces. Sources of ignition. Flames.

**Materials to avoid:** Strong oxidising agents.

**Haz. decomp. products:** Toxic gases/vapours/fumes of carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>)

**11. TOXICOLOGICAL INFORMATION**

**Hazardous ingredients:** ACETONE

IVN RAT LD50 5500 mg/kg

ORL MUS LD50 3 gm/kg

ORL RAT LD50 5800 mg/kg

- BUTAN-1-OL

IVN RAT LD50 310 mg/kg

ORL MUS LD50 2680 mg/kg

ORL RAT LD50 790 mg/kg

- N-BUTYL ACETATE

ORL MUS LD50 6 gm/kg

ORL RAT LD50 10768 mg/kg

- ETHANOL

IVN RAT LD50 1440 mg/kg

ORL MUS LD50 3450 mg/kg

ORL RAT LD50 7060 mg/kg

- ETHYL ACETATE

ORL MUS LD50 4100 mg/kg

ORL RAT LD50 5620 mg/kg

SCU RAT LDLO 5 gm/kg

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- N-HEXANE  
IPR RAT LDLO 9100 mg/kg  
IVN MUS LDLO 831 mg/kg  
ORL RAT LD50 25 gm/kg
- METHYL ACETATE  
ORL RAT LD50 >5 gm/kg  
SCU RAT LDLO 8 gm/kg
- PROPAN-2-OL  
IVN RAT LD50 1088 mg/kg  
ORL MUS LD50 3600 mg/kg  
ORL RAT LD50 5045 mg/kg  
SCU MUS LDLO 6 gm/kg
- TOLUENE  
IVN RAT LD50 1960 mg/kg  
ORL MUS LD50 2 gm/kg  
ORL RAT LD50 6900 mg/kg
- 4-METHYLPENTAN-2-ONE  
IPR RAT LD50 400 mg/kg  
ORL MUS LD50 1900 mg/kg  
ORL RAT LD50 2080 mg/kg

**Routes of exposure:** Refer to section 4 of SDS for routes of exposure and corresponding symptoms.

**12. ECOLOGICAL INFORMATION**

**Mobility:** Readily absorbed into soil.

**Persistence and degradability:** Biodegradable. When spilled on land some of the material will volatilise. The proportion absorbed may degrade fairly rapidly under aerobic conditions but this process may take months/years under anaerobic conditions. In surface waters volatilisation is the dominant removal process, although some absorption in sediment is likely to clear.

**Bioaccumulative potential:** No bioaccumulation potential.

**Other adverse effects:** Negligible ecotoxicity.

**13. DISPOSAL CONSIDERATIONS**

**Disposal operations:** Incinerate in suitable combustion chamber. Incinerate with provision for removal of effluent gasses by scrubber. Dike far ahead of spill for later disposal. Collect on absorbent material. Place in cardboard kegs and incinerate. Confirm disposal procedures with environmental engineer and local regulations. Suitably permitted or licensed recycling or recovery sites should be used for disposal. Contact SWS for such services (see section 1) If recycling/recovery is not possible, disposal by suitably high temperature incineration is an alternative.

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**Disposal of packaging:** Arrange for collection by specialised disposal company.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

**14. TRANSPORT INFORMATION****ADR / RID**

**UN no:** 1263 **ADR Class:** 3  
**Packing group:** II **Classification code:** F1  
**Shipping name:** PAINT RELATED MATERIAL V.O.C 0.840g/LTR (TOLUENE; XYLENE)  
**Labelling:** 3 **Hazard ID no:** 33

**IMDG / IMO**

**UN no:** 1263 **Class:** 3  
**Packing group:** II **EmS:** F-E,S-E\*  
**Marine pollutant:** .  
**Labelling:** 3

**IATA / ICAO**

**UN no:** 1263 **Class:** 3  
**Packing group:** II  
**Packing instructions:** 305(P&CA); 307(CAO)  
**Labelling:** 3

**15. REGULATORY INFORMATION**

**Hazard symbols:** Highly flammable.  
Harmful.  
Dangerous for the environment.



**Risk phrases:** R11: Highly flammable.  
R20/21/22: Harmful by inhalation, in contact with skin and if swallowed.  
R36/38: Irritating to eyes and skin.  
R48/20: Harmful: danger of serious damage to health by prolonged exposure through inhalation.

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R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R62: Possible risk of impaired fertility.

R63: Possible risk of harm to the unborn child.

R65: Harmful: may cause lung damage if swallowed.

R67: Vapours may cause drowsiness and dizziness.

**Safety phrases:** S9: Keep container in a well-ventilated place.

S16: Keep away from sources of ignition - No smoking.

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36/37: Wear suitable protective clothing and gloves.

S57: Use appropriate container to avoid environmental contamination.

S60: This material and its container must be disposed of as hazardous waste.

S61: Avoid release to the environment. Refer to special instructions / safety data sheets.

S62: If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.

**Haz. ingredients (label):** TOLUENE ; XYLENE 2004/42/EC CATEGORY B(a)  
Max VOC 850g/LTR

**Note:** The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

**16. OTHER INFORMATION**

**Other information:** R-PHRASES (Full Text)

R-10 Flammable

R-11 Highly Flammable

R-20/21 Harmful by inhalation and in contact with skin

R-22 Harmful if swallowed

R-36/37 Irritating to eyes and respiratory system.

R-37/38 Irritating to respiratory system and skin.

R-38 Irritating to skin

R-40 Limited evidence of carcinogenic effect

R-41 Risk of serious damage to eyes

R-48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.

R-50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.



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R-51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R-62 Possible risk of impaired infertility.

R-63 Possible risk of harm to unborn child.

R-65 Harmful: may cause lung damage if swallowed.

R-66 Repeated exposure may cause skin dryness and cracking.

R-67 Vapours may cause drowsiness and dizziness. R-65 Harmful: may cause lung damage if swallowed.

**Risk phrases used in s.3:** R11: Highly flammable.

R36: Irritating to eyes.

R66: Repeated exposure may cause skin dryness or cracking.

R67: Vapours may cause drowsiness and dizziness.

R10: Flammable.

R22: Harmful if swallowed.

R37/38: Irritating to respiratory system and skin.

R41: Risk of serious damage to eyes.

R38: Irritating to skin.

R48/20: Harmful: danger of serious damage to health by prolonged exposure through inhalation.

R62: Possible risk of impaired fertility.

R65: Harmful: may cause lung damage if swallowed.

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R63: Possible risk of harm to the unborn child.

R12: Extremely flammable.

R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R20: Harmful by inhalation.

R36/37: Irritating to eyes and respiratory system.

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Solvents With Safety Ltd shall not be held liable for any damage resulting from handling or from contact with the above product.

