

SAFETY DATA SHEET
STANDARD THINNER

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

Product name: STANDARD THINNER

Product code: S150

Use / description of product: Used for cleaning machinery and in Base Coat thinners and Primers.

Company name: Solvents With Safety Ltd

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2. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients: ACETONE 10-30%

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

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

- N-BUTYL ACETATE 1-10%

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

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

- DICHLOROMETHANE 1-10%

EINECS: 200-838-9 CAS: 75-09-2

[Xn] R40

- 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; [Xi] 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

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- ISO PROPYL ACETATE 1-10%
EINECS: 203-561-1 CAS: 108-21-4
[F] R11; [Xi] R36; [Xi] R66; [-] R67
- METHYL ACETATE 1-10%
EINECS: 201-185-2 CAS: 79-20-9
[F] R11; [Xi] R36; [Xi] 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 1-10%
EINECS: 215-535-7 CAS: 1330-20-7
[-] R10; [Xn] R20/21; [Xi] R38
- 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; [Xi] R66

3. HAZARDS IDENTIFICATION

Main hazards: Highly flammable. Irritating to eyes and skin. Limited evidence of a carcinogenic effect. 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.

4. FIRST AID MEASURES (SYMPTOMS)

Skin contact: Remove affected person from source of contamination. Promptly wash contaminated skin with soap or mild detergent or water. Promptly remove clothing if soaked through and wash. Get medical attention promptly if symptoms occur after washing.

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Eye contact: Promptly wash eyes with plenty of water while lifting the eye lids. Make sure to remove any contact lenses from the eyes before rinsing. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

Ingestion: NEVER MAKE AN UNCONSCIOUS 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.

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 UNCONSCIOUS 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 (CO₂). 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 discoloration of tanks due to fire. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw 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.

7. HANDLING AND STORAGE

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 heat and flames.May attack some plastic,rubber 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 exposure limit): 1210 mg/m³ (OES) WEL (15 min exposure limit): 3620 mg/m³ (OES)

- BUTAN-1-OL

WEL (8 hr exposure limit): 310 mg/m³ WEL (15 min exposure limit): 154 mg/m³

- ETHYL METHYL KETONE

WEL (8 hr exposure limit): 600 mg/m³ WEL (15 min exposure limit): 899 mg/m³

- N-BUTYL ACETATE

WEL (8 hr exposure limit): 724 mg/m³ WEL (15 min exposure limit): 966 mg/m³

- DICHLOROMETHANE

WEL (8 hr exposure limit): 350 mg/m³ WEL (15 min exposure limit): 1060 mg/m³

- ETHANOL

WEL (8 hr exposure limit): 1920 mg/m³

- ETHYL ACETATE

WEL (8 hr exposure limit): 400 ppm

- N-HEXANE

WEL (8 hr exposure limit): 72 mg/m³

- METHYL ACETATE

WEL (8 hr exposure limit): 616 mg/m³ WEL (15 min exposure limit): 770 mg/m³

- PROPAN-2-OL

WEL (8 hr exposure limit): 999 mg/m³ WEL (15 min exposure limit): 1250 mg/m³

- TOLUENE

WEL (8 hr exposure limit): 191 mg/m³ WEL (15 min exposure limit): 574 mg/m³

- XYLENE

WEL (8 hr exposure limit): 220 mg/m³ WEL (15 min exposure limit): 441 mg/m³

- 4-METHYLPENTAN-2-ONE

WEL (8 hr exposure limit): 208 mg/m³ WEL (15 min exposure limit): 416 mg/m³

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)

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

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 (CO₂)

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

- DICHLOROMETHANE

ORL MUS LD50 4770 mg/kg

ORL RAT LD50 5350 mg/kg

SCU MUS LD50 6460 mg/kg

- ETHANOL

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- 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
- 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
- XYLENE
 - ORL MUS LD50 2119 mg/kg
 - ORL RAT LD50 4300 mg/kg
 - SCU RAT LD50 1700 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.

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.

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 (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.
R36/38: Irritating to eyes and skin.

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R40: Limited evidence of a carcinogenic effect.

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

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.

S51: Use only in well-ventilated areas.

S24/25: Avoid contact with skin and eyes.

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.

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

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inhalation.

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

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.2: 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.

R40: Limited evidence of a carcinogenic effect.

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.

R20/21: Harmful by inhalation and in contact with skin.

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.

