

SAFETY DATA SHEET

Standard Thinner Plus

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name Standard Thinner Plus

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

General Purpose Paint Thinners

1.3. Details of the supplier of the safety data sheet

Supplier Soltec (Ireland) Ltd
Zone A, Mullingar Business Park,
Mullingar, Co. Westmeath, Ireland.
www.SOLTEC.ie
Contact Person Customer Care Service +353 (0) 44 93 35133

1.4. Emergency telephone number

+353 (0) 86 2687 111 or + 353 (0) 85 1176 414 (24Hours)
National Poisons Centre 01-809 2155

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)	Physical and Chemical Hazards	Flam. Liq. 2 - H225
	Human health	Acute Tox. 4 - H302;Acute Tox. 4 - H312;Acute Tox. 4 - H332;Skin Irrit. 2 - H315;Eye Irrit. 2 - H319;Repr. 2 - H361fd;STOT SE 2 - H371;STOT RE 2 - H373;Asp. Tox. 1 - H304
	Environment	Aquatic Chronic 2 - H411
Classification (1999/45/EEC)	Xn;R20/21/22, R68/20/21/22, R48/20, R65. Repr. Cat. 3;R62, R63. Xi;R36/38. F;R11. N;R51/53.	

Human health

Vapours may irritate the respiratory system and cause coughing, asthmatic breathing and breathlessness. Irritating to eyes.

Environment

The product contains a substance which is toxic to aquatic organisms.

2.2. Label elements

Contains

HEXANE-norm
METHANOL
TOLUENE

Label In Accordance With (EC) No. 1272/2008



Signal Word Danger

Hazard Statements

H225	Highly 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.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H361fd	Suspected of damaging fertility or the unborn child.
H371	May cause damage to organs .
H373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.

Precautionary Statements

P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P281	Use personal protective equipment as required.
P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P313	Get medical advice/attention.
P501	Dispose of contents/container to Soltec (Ireland) LTD

Supplementary Precautionary Statements

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical equipment.

- P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P270 Do not eat, drink or smoke when using this product.
- P260 Do not breathe vapour/spray.
P261 Avoid breathing vapour/spray.
P264 Wash contaminated skin thoroughly after handling.
P321 Specific treatment (see medical advice on this label).
P370+378 In case of fire: Use foam, carbon dioxide, dry powder or water fog for extinction.
P301+310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P301+312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P302+352 IF ON SKIN: Wash with plenty of soap and water.
P303+361 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P308+313 IF exposed or concerned: Get medical advice/attention.
P309+311 IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.
P312 Call a POISON CENTER or doctor/physician if you feel unwell.
P314 Get medical advice/attention if you feel unwell.
P322 Specific measures (see ... on this label).
P330 Rinse mouth.
P331 Do NOT induce vomiting.
P332+313 If skin irritation occurs: Get medical advice/attention.
P337 If eye irritation persists:
P362 Take off contaminated clothing and wash before reuse.
P363 Wash contaminated clothing before reuse.
P391 Collect spillage.
P403+235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.

2.3. Other hazards

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

ACETONE		1-30%
CAS-No.: 67-64-1	EC No.: 200-662-2	Registration Number: LG248292-42 Pre-Registration
Classification (EC 1272/2008) Flam. Liq. 2 - H225 EUH066 Eye Irrit. 2 - H319 STOT SE 3 - H336	Classification (67/548/EEC) F;R11 Xi;R36 R66 R67	
BUTAN-2-OL		0-10%
CAS-No.: 78-92-2	EC No.: 201-158-5	
Classification (EC 1272/2008) Flam. Liq. 3 - H226 Eye Irrit. 2 - H319 STOT SE 3 - H335 STOT SE 3 - H336	Classification (67/548/EEC) R10 Xi;R36/37 R67	
BUTANOL-norm		0- 5%
CAS-No.: 71-36-3	EC No.: 200-751-6	Registration Number: VT248480-07 Pre-Registration
Classification (EC 1272/2008) Flam. Liq. 3 - H226 Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 STOT SE 3 - H335 STOT SE 3 - H336	Classification (67/548/EEC) R10 Xn;R22 Xi;R37/38,R41 R67	
BUTANONE		0- 5%
CAS-No.: 78-93-3	EC No.: 201-159-0	Registration Number: BF251801-58 Pre-Registration
Classification (EC 1272/2008) Flam. Liq. 2 - H225 EUH066 Eye Irrit. 2 - H319 STOT SE 3 - H336	Classification (67/548/EEC) F;R11 Xi;R36 R66 R67	

BUTYL ACETATE-norm		0- 5%
CAS-No.: 123-86-4	EC No.: 204-658-1	Registration Number: AT248515-23 Pre-Registration
Classification (EC 1272/2008) Flam. Liq. 3 - H226 EUH066 STOT SE 3 - H336	Classification (67/548/EEC) R10 R66 R67	
ETHANOL		0-10%
CAS-No.: 64-17-5	EC No.: 200-578-6	
Classification (EC 1272/2008) Flam. Liq. 2 - H225	Classification (67/548/EEC) F;R11	
ETHYL ACETATE		0- 5%
CAS-No.: 141-78-6	EC No.: 205-500-4	Registration Number: YZ252117-95 Pre-Registration
Classification (EC 1272/2008) Flam. Liq. 2 - H225 EUH066 Eye Irrit. 2 - H319 STOT SE 3 - H336	Classification (67/548/EEC) F;R11 Xi;R36 R66 R67	

HEPTANE		0-30%
CAS-No.: 142-82-5	EC No.: 205-563-8	Registration Number: FS259067-18 Pre-Registration
Classification (EC 1272/2008) Flam. Liq. 2 - H225 Skin Irrit. 2 - H315 STOT SE 3 - H336 Asp. Tox. 1 - H304 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	Classification (67/548/EEC) F;R11 Xn;R65 Xi;R38 R67 N;R50/53	
HEXANE-norm		0-10%
CAS-No.: 110-54-3	EC No.: 203-777-6	Registration Number: TB252081-55 Pre-Registration
Classification (EC 1272/2008) Flam. Liq. 2 - H225 Skin Irrit. 2 - H315 Repr. 2 - H361f STOT SE 3 - H336 STOT RE 2 - H373 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411	Classification (67/548/EEC) F;R11 Repr. Cat. 3;R62 Xn;R48/20,R65 Xi;R38 R67 N;R51/53	
METHANOL		0- 5%
CAS-No.: 67-56-1	EC No.: 200-659-6	
Classification (EC 1272/2008) Flam. Liq. 2 - H225 Acute Tox. 3 - H301 Acute Tox. 3 - H311 Acute Tox. 3 - H331 STOT SE 1 - H370	Classification (67/548/EEC) F;R11 T;R23/24/25,R39/23/24/25	Registration Number: NX251535-05 Pre-Registration
The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.		
METHYL ACETATE		5-10%
CAS-No.: 79-20-9	EC No.: 201-185-2	Registration Number: NF251828-30 Pre-Registration
Classification (EC 1272/2008) Flam. Liq. 2 - H225 EUH066 Eye Irrit. 2 - H319 STOT SE 3 - H336	Classification (67/548/EEC) F;R11 Xi;R36 R66 R67	

MIBK		0- 5%
CAS-No.: 108-10-1	EC No.: 203-550-1	
Classification (EC 1272/2008) Not classified.	Classification (67/548/EEC) Xn;R20/21/22. Xi;R36/37/38. F;R11.	
PROPAN-1-OL		0-10%
CAS-No.: 71-23-8	EC No.: 200-746-9	Registration Number: AB251662-53 Pre-registration
Classification (EC 1272/2008) Flam. Liq. 2 - H225 Eye Dam. 1 - H318 STOT SE 3 - H336	Classification (67/548/EEC) F;R11 Xi;R41 R67	
PROPAN-2-OL		0-10%
CAS-No.: 67-63-0	EC No.: 200-661-7	Registration Number: VP266085-11 Pre-registration
Classification (EC 1272/2008) Flam. Liq. 2 - H225 Eye Irrit. 2 - H319 STOT SE 3 - H336	Classification (67/548/EEC) F;R11 Xi;R36 R67	
PROPYL ACETATE		0- 5%
CAS-No.: 109-60-4	EC No.: 203-686-1	Registration Number: QP252031-35 Pre-registration
Classification (EC 1272/2008) Flam. Liq. 2 - H225 EUH066 Eye Irrit. 2 - H319 STOT SE 3 - H336	Classification (67/548/EEC) F;R11 Xi;R36 R66 R67	
TETRAHYDROFURAN		< 1%
CAS-No.: 109-99-9	EC No.: 203-726-8	Registration Number: LC252053-60 Pre-Registration
Classification (EC 1272/2008) EUH019 Flam. Liq. 2 - H225 Eye Irrit. 2 - H319 Carc. 2 - H351 STOT SE 3 - H335	Classification (67/548/EEC) Carc. Cat. 3;R40. Xi;R36/37. F;R11. R19.	

TOLUENE		0-30%
CAS-No.: 108-88-3	EC No.: 203-625-9	Registration Number: DW252005-29 Pre-Registration
Classification (EC 1272/2008) Flam. Liq. 2 - H225 Skin Irrit. 2 - H315 Repr. 2 - H361d STOT SE 3 - H336 STOT RE 2 - H373 Asp. Tox. 1 - H304	Classification (67/548/EEC) F;R11 Repr. Cat. 3;R63 Xn;R48/20,R65 Xi;R38 R67	
XYLENE		0-10%
CAS-No.: 1330-20-7	EC No.: 215-535-7	Registration Number: NC259393-41 Pre-Registration
Classification (EC 1272/2008) Flam. Liq. 3 - H226 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Irrit. 2 - H315	Classification (67/548/EEC) R10 Xn;R20/21 Xi;R38	

Composition Comments

This preparation may vary in composition, but typically may contain some or all of the above.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information

Remove affected person from source of contamination. NOTE! Keep affected person away from heat, sparks and flames! If breathing stops, provide artificial respiration. Get medical attention.

Inhalation

Remove victim immediately from source of exposure. Place unconscious person on the side in the recovery position and ensure breathing can take place. If breathing stops, provide artificial respiration. Get medical attention.

Ingestion

Get medical attention immediately! Remove victim immediately from source of exposure. DO NOT INDUCE VOMITING! Drink plenty of water. Never give liquid to an unconscious person

Skin contact

Immediately remove contaminated clothing. Wash skin thoroughly with soap and water for several minutes. Contact physician if irritation continues.

Eye contact

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyelids widely. If irritation persists: Continue flushing during transport to hospital. Bring these instructions.

4.2. Most important symptoms and effects, both acute and delayed

4.3. Indication of any immediate medical attention and special treatment needed

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

Extinguish with alcohol-resistant foam, carbon dioxide or dry powder.

Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products

During fire, toxic gases (CO, CO₂) are formed.

Unusual Fire & Explosion Hazards

Forms explosive mixtures with air. HIGHLY FLAMMABLE!

Specific hazards

Vapours are heavier than air and may travel along the floor and in the bottom of containers. Vapours may be ignited by a spark, a hot surface or an ember. The product is flammable, and heating may generate vapours which may form explosive vapour/air mixtures.

5.3. Advice for firefighters

Special Fire Fighting Procedures

Be aware of risk of fire re-starting, and risk of explosion. Avoid breathing fire vapours.

Protective equipment for fire-fighters

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective clothing as described in Section 8 of this safety data sheet. Avoid contact with eyes and prolonged skin contact. Ensure suitable personal protection (including respiratory protection) during removal of spillages in a confined area.

6.2. Environmental precautions

Do not discharge into drains, water courses or onto the ground. Avoid discharge to the aquatic environment. Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body. Contain spillages with sand, earth or any suitable adsorbent material.

6.3. Methods and material for containment and cleaning up

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 in vermiculite, dry sand or earth and place into containers.

6.4. Reference to other sections

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid spilling, skin and eye contact. Eliminate all sources of ignition. Eye wash facilities and emergency shower must be available when handling this product. Do not use in confined spaces without adequate ventilation and/or respirator.

7.2. Conditions for safe storage, including any incompatibilities

Store in a cool and well-ventilated place. Take precautionary measures against static discharges.

Storage Class

Flammable liquid storage.

7.3. Specific end use(s)

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
ACETONE	WEL	500 ppm	1210 mg/m ³	1500 ppm	3620 mg/m ³	
BUTAN-2-OL	WEL	100 ppm	308 mg/m ³	150 ppm	462 mg/m ³	
BUTANOL-norm	WEL			50 ppm(Sk)	154 mg/m ³ (Sk)	
BUTANONE	WEL	200 ppm(Sk)	600 mg/m ³ (Sk)	300 ppm(Sk)	899 mg/m ³ (Sk)	
BUTYL ACETATE - norm	WEL	150 ppm	724 mg/m ³	200 ppm	966 mg/m ³	
ETHANOL	WEL	1000 ppm	1920 mg/m ³			
ETHYL ACETATE	WEL	200 ppm		400 ppm		
HEPTANE	WEL	500 ppm				
HEXANE-norm	WEL	20 ppm	72 mg/m ³			
METHANOL	WEL	200 ppm(Sk)	266 mg/m ³ (Sk)	250 ppm(Sk)	333 mg/m ³ (Sk)	
METHYL ACETATE	WEL	200 ppm	616 mg/m ³	250 ppm	770 mg/m ³	
PROPAN-1-OL	WEL	200 ppm(Sk)	500 mg/m ³ (Sk)	250 ppm(Sk)	625 mg/m ³ (Sk)	
PROPAN-2-OL	WEL	400 ppm	999 mg/m ³	500 ppm	1250 mg/m ³	
PROPYL ACETATE	WEL	200 ppm	849 mg/m ³	250 ppm	1060 mg/m ³	

TETRAHYDROFURAN	WEL	50 ppm(Sk)	150 mg/m3(Sk)	100 ppm(Sk)	300 mg/m3(Sk)	
TOLUENE		\ ppm(Sk)	1 mg/m3(Sk)	< 0 ppm(Sk)	4mg/m3(Sk)	
XYLENE	WEL	50 ppm(Sk)	220 mg/m3(Sk)	100 ppm(Sk)	441 mg/m3(Sk)	

WEL = Workplace Exposure Limit.

mg/m3(Sk)

8.2. Exposure controls

Protective equipment



Process conditions

Use engineering controls to reduce air contamination to permissible exposure level. Provide eyewash, quick drench.

Engineering measures

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.

Respiratory equipment

If ventilation is insufficient, suitable respiratory protection must be provided.

Hand protection

Wear protective gloves.

Eye protection

Wear approved safety goggles.

Other Protection

Provide eyewash station and safety shower. Wear suitable protective clothing as protection against splashing or contamination.

Hygiene measures

Wash promptly with soap & water if skin becomes contaminated. Wash contaminated clothing before reuse.

Personal protection

Where the risk of exposure exists, such as tanker loading/ unloading, non-routine operations or emergency circumstances the above Personal Protection measures are recommended.

Skin protection

Overall or lab coat

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Clear liquid.
Colour	Colourless.
Initial boiling point and boiling range (°C)	55-160 760 mm Hg Material is a mixture of solvents that can vary, this will affect the initial and final boiling point of the mixture. The range stated is to be taken as typical.
Melting point (°C)	Not determined.
Relative density	0.8-0.9 20
Vapour density	(air=1) >1 Material is a mixture of solvents, the vapour density will vary, but will be >1
Vapour pressure	<110 kPa 20 Material is a mixture of solvents vapour pressure, will vary dependant on the components, but will be <110kpa @20°C
Evaporation rate	Not determined.
Evaporation Factor	Not determined.

Flash point (°C)	-20 (acetone) CC (Closed cup). Material is a mixture of solvents. The flashpoint given is for the constituent with the lowest flashpoint.
Auto Ignition Temperature (°C)	>203
Flammability Limit	- Lower(%) 1 Material is a mixture of several solvents
Flammability Limit	- Upper(%) 36.5 Material is a mixture of several solvents

9.2. Other information

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

10.2. Chemical stability

Stable under normal temperature conditions and recommended use.

10.3. Possibility of hazardous reactions

Hazardous Polymerisation

Will not polymerise.

10.4. Conditions to avoid

Avoid heat, flames and other sources of ignition.

10.5. Incompatible materials

Materials To Avoid

Strong oxidising substances.

10.6. Hazardous decomposition products

During fire, toxic gases (CO, CO₂) are formed.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Toxic Dose 1 - LD 50

28710 mg/kg (oral rat)

Toxic Conc. - LC 50

48000 ppm/4h (inh-rat)

Inhalation

Vapours may irritate the respiratory system and cause coughing, asthmatic breathing and breathlessness. In high concentrations, vapours are anaesthetic and may cause headache, fatigue, dizziness and central nervous system effects.

Ingestion

Harmful: possible risk of irreversible effects if swallowed.

Skin contact

Acts as a defatting agent on skin. May cause cracking of skin, and eczema.

Eye contact

May cause severe irritation to eyes.

Health Warnings

May cause unconsciousness, blindness and possibly death. Repeated exposure may cause chronic eye irritation. May cause chemical eye burns. Acute eczematous dermatitis, contact type erythema, oedema, papules, vesicles, bullae, crusts, desquamation. Swallowing concentrated chemical may cause severe internal injury.

Route of entry

Inhalation. Ingestion.

Target Organs

Central nervous system Eyes

Medical Symptoms

Irritation of eyes and mucous membranes. Unconsciousness.

Medical Considerations

Pre Existing Respiratory Disorders and Lung Diseases.

Specific effects

May cause damage to the liver and kidneys.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

The product contains a substance which is very toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

12.1. Toxicity

12.2. Persistence and degradability

12.3. Bioaccumulative potential

12.4. Mobility in soil

Mobility:

The product contains volatile organic compounds (VOC) which will evaporate easily from all surfaces.

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects

SECTION 13: DISPOSAL CONSIDERATIONS

General information

If this product becomes waste it is to be treated as hazardous waste. Any other constituents or contaminants in the waste stream must be taken into account when classifying the waste. In the EU, the European Waste Catalogue Code to be assigned is dependent on the processes giving rise to the waste. In the absence of any such processes having taken place EWC 140603* (other solvents and solvent mixtures) may be used. Hazardous waste must be suitably contained, stored, packaged and transported, see section 7 and 4 for such details. In Ireland only waste carriers registered with the National Waste Collection Permit Office.

13.1. Waste treatment methods

Waste and residues must be disposed of in accordance with national regulatory requirements. Suitably permitted or licensed recycling or recovery sites should be used for disposal. Contact Soltec for such services (see Section 1) if recycling/recovery is not possible, disposal by suitably high temperature incineration is an alternative.

SECTION 14: TRANSPORT INFORMATION

14.1. UN number

UN No. (ADR/RID/ADN) 1263

UN No. (IMDG) 1263

UN No. (ICAO) 1263

14.2. UN proper shipping name

Proper Shipping Name: Paint or Paint Related Material

14.3. Transport hazard class(es)

ADR/RID/ADN Class 3

IMDG Class 3

ICAO Class/Division 3

Transport Labels



14.4. Packing group

ADR/RID/ADN Packing group II

IMDG Packing group II

ICAO Packing group II

14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant



14.6. Special precautions for user

Emergency Action Code 3YE

Tunnel Restriction Code (D/E)

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

SECTION 15: REGULATORY INFORMATION

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

15.2. Chemical Safety Assessment

SECTION 16: OTHER INFORMATION

General information

Please ensure that this Safety Data Sheet is passed onto the relevant person(s) in your company, who are capable of acting on the information given.

Information Sources

Material Safety Data Sheet, Misc. manufacturers.

Revision Comments

Issued By Soltec (Ireland) Ltd

Revision Date 7-10-19

Revision 5

Supersedes date 14-4-15

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. This company shall not be held liable for any damage resulting from handling or from contact with the above product.