SAFETY DATA SHEET

STANDARD THINNER

Compilation date: 25/04/2016

Revision date: 2017

Sent to: CASTLE PAINTS LTD

Revision No: 6

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name: STANDARD THINNER

Product code: S150

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

Use of substance / mixture: PC9a: Coatings and paints, thinners, paint removers.

1.3. Details of the supplier of the safety data sheet

Company name: SOLVENTS WITH SAFETY LTD
UNITS 1-4
PLUMTREE FARM INDUSTRIAL ESTATE
HARWORTH
DONCASTER
DN11 8EW
United Kingdom

Tel: 01302711733

Fax: 01302 711744

Email: sales@solventswithsafety.co.uk

1.4. Emergency telephone number

Emergency tel: 08445605341

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: Eye Dam. 1: H318; Repr. 2: H361f; Aquatic Chronic 2: H411; Flam. Liq. 2: H225; Skin Irrit. 2: H315; STOT RE 2: H373; STOT SE 3: H336; Carc. 2: H351; Acute Tox. 4: H312; Acute Tox. 4: H302; Asp. Tox. 1: H304; Acute Tox. 4: H332; STOT SE 2: H371

Most important adverse effects: Highly flammable liquid and vapour. Causes skin irritation. Causes serious eye damage. May cause drowsiness or dizziness. Suspected of damaging fertility. May cause damage to organs through prolonged or repeated exposure. Harmful in contact with skin. Toxic to aquatic life with long lasting effects. Harmful if swallowed. May be fatal if swallowed and enters airways. Harmful if inhaled. May cause damage to organs .

2.2. Label elements

Label elements:

Hazard statements: H225: Highly flammable liquid and vapour.
H315: Causes skin irritation.

[cont...]

H318: Causes serious eye damage.
H336: May cause drowsiness or dizziness.
H361f: Suspected of damaging fertility.
H373: May cause damage to organs through prolonged or repeated exposure.
H312: Harmful in contact with skin.
H411: Toxic to aquatic life with long lasting effects.
H302: Harmful if swallowed.
H304: May be fatal if swallowed and enters airways.
H332: Harmful if inhaled.
H371: May cause damage to organs .

Signal words: Danger

Hazard pictograms: GHS02: Flame
GHS07: Exclamation mark
GHS05: Corrosion
GHS08: Health hazard
GHS09: Environmental

Precautionary statements: P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P260: Do not breathe dust/fumes/gas/mist/vapours/spray.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P303+361+353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310: Immediately call a POISON CENTER/doctor/.

2.3. Other hazards

Other hazards: No data available.

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

[cont...]

TOLUENE - REACH registered number(s): 01-2119471310-51-XXXX

EINECS	CAS	PBT / WEL	CLP Classification	Percent
203-625-9	108-88-3	-	Flam. Liq. 2: H225; Repr. 2: H361d; Asp. Tox. 1: H304; STOT RE 2: H373; Skin Irrit. 2: H315; STOT SE 3: H336	5-10%

BUTAN-2-OL

201-158-5	78-92-2	-	Flam. Liq. 3: H226; Eye Irrit. 2: H319; STOT SE 3: H335; STOT SE 3: H336	<5%

BUTAN-1-OL

200-751-6	71-36-3	-	Flam. Liq. 3: H226; Acute Tox. 4: H302; STOT SE 3: H335; Skin Irrit. 2: H315; Eye Dam. 1: H318; STOT SE 3: H336	<5%

CYCLOHEXANE

203-806-2	110-82-7	-	Flam. Liq. 2: H225; Asp. Tox. 1: H304; Skin Irrit. 2: H315; STOT SE 3: H336; Aquatic Chronic 1: H410; Aquatic Acute 1: H400	<5%

ETHYLBENZENE

202-849-4	100-41-4	-	Flam. Liq. 2: H225; Acute Tox. 4: H332; STOT RE 2: H373; Asp. Tox. 1: H304	<5%

HEPTANE

205-563-8	142-82-5	-	Flam. Liq. 2: H225; Asp. Tox. 1: H304; Skin Irrit. 2: H315; STOT SE 3: H336; Aquatic Acute 1: H400; Aquatic Chronic 1: H410	<5%

N-HEXANE

203-777-6	110-54-3	-	Flam. Liq. 2: H225; Repr. 2: H361f; Asp. Tox. 1: H304; STOT RE 2: H373; Skin Irrit. 2: H315; STOT SE 3: H336; Aquatic Chronic 2: H411	<5%

PROPAN-2-OL

200-661-7	67-63-0	-	Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336	<5%

PROPAN-1-OL

200-746-9	71-23-8	-	Flam. Liq. 2: H225; Eye Dam. 1: H318; STOT SE 3: H336	<5%

[cont...]

XYLENE

215-535-7	1330-20-7	-	Flam. Liq. 3: H226; Acute Tox. 4: H332; Acute Tox. 4: H312; Skin Irrit. 2: H315	<5%

METHYL ACETATE

201-185-2	79-20-9	-	Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336; -: EUH066	<5%

ETHANOL

200-578-6	64-17-5	Substance with a Community workplace exposure limit.	Flam. Liq. 2: H225	<5%

ACETONE - REACH registered number(s): 01-2119471330-49

200-662-2	67-64-1	-	Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336; -: EUH066	<5%

N-BUTYL ACETATE

204-658-1	123-86-4	-	Flam. Liq. 3: H226; STOT SE 3: H336; -: EUH066	<5%

ETHYL ACETATE - REACH registered number(s): 01-2119475103-46-XXXX

205-500-4	141-78-6	-	Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336; -: EUH066	<5%

METHANOL - REACH registered number(s): 01-2119433307-44-XXXX

200-659-6	67-56-1	-	Flam. Liq. 2: H225; Acute Tox. 3: H331; Acute Tox. 3: H311; Acute Tox. 3: H301; STOT SE 1: H370	<5%

4-METHYLPENTAN-2-ONE

203-550-1	108-10-1	-	Flam. Liq. 2: H225; Acute Tox. 4: H332; Eye Irrit. 2: H319; STOT SE 3: H335; -: EUH066	<5%

PROPYL ACETATE

203-686-1	109-60-4	-	Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336; -: EUH066	<5%

TETRAHYDROFURAN

203-726-8	109-99-9	-	Flam. Liq. 2: H225; Eye Irrit. 2: H319; Carc. 2: H351; STOT SE 3: H335; -: EUH019	<5%

ETHYL METHYL KETONE

201-159-0	78-93-3	-	Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336; -: EUH066	<5%

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.

[cont...]

Eye contact: Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.

Ingestion: Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Consult a doctor.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so.

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

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be pain and redness. The eyes may water profusely. There may be severe pain. The vision may become blurred. May cause permanent damage.

Ingestion: There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

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

Immediate / special treatment: Eye bathing equipment should be available on the premises.

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not attempt to take action without suitable protective clothing - see section 8 of SDS. Turn leaking containers leak-side up to prevent the escape of liquid.

6.2. Environmental precautions

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

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

[cont...]

6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS.

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area.

Avoid the formation or spread of mists in the air.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed.

Suitable packaging: Must only be kept in original packaging.

7.3. Specific end use(s)

Specific end use(s): No data available.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Hazardous ingredients:

TOLUENE

Workplace exposure limits: **Respirable dust**

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	191 mg/m3	384 mg/m3	-	-

BUTAN-2-OL

UK	308 mg/m3	462 mg/m3	-	-

BUTAN-1-OL

UK	-	154 mg/m3	-	-

CYCLOHEXANE

UK	350 mg/m3	1050 mg/m3	-	-

ETHYLBENZENE

UK	441 mg/m3	552 mg/m3	-	-

HEPTANE

UK	2100 mg/m3	8400 mg/m3	-	-

N-HEXANE

UK	72 mg/m3	-	-	-

[cont...]

PROPAN-2-OL

UK	999 mg/m3	1250 mg/m3	-	-

PROPAN-1-OL

UK	500 mg/m3	625 mg/m3	-	-

XYLENE

UK	220 mg/m3	441 mg/m3	-	-

METHYL ACETATE

UK	616 mg/m3	770 mg/m3	-	-

ETHANOL

UK	1920 mg/m3	-	-	-

ACETONE

UK	1210 mg/m3	3620 mg/m3	-	-

N-BUTYL ACETATE

UK	724 mg/m3	966 mg/m3	-	-

ETHYL ACETATE

UK	200 ppm	400 ppm	-	-

METHANOL

UK	266 mg/m3	333 mg/m3	-	-

4-METHYLPENTAN-2-ONE

UK	208 mg/m3	416 mg/m3	-	-

PROPYL ACETATE

UK	849 mg/m3	1060 mg/m3	-	-

TETRAHYDROFURAN

UK	150 mg/m3	300 mg/m3	-	-

ETHYL METHYL KETONE

UK	600 mg/m3	899 mg/m3	-	-

DNEL/PNEC Values

DNEL / PNEC No data available.

8.2. Exposure controls

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

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

Hand protection: Protective gloves.

Eye protection: Tightly fitting safety goggles. Ensure eye bath is to hand.

Skin protection: Protective clothing.

Environmental: Prevent from entering in public sewers or the immediate environment.

[cont...]

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid

Colour: Various

Odour: Unpleasant

Evaporation rate: No data available.

Oxidising: No data available.

Solubility in water: No data available.

Viscosity: Viscous

Boiling point/range°C: 55-160 760mm Hg

Melting point/range°C: No data available.

Flammability limits %: lower: 1

upper: 36.5

Flash point°C: <21

Part.coeff. n-octanol/water: No data available.

Autoflammability°C: >203

Vapour pressure: 1<110 kPa 20

Relative density: 0.8-0.9 20

pH: No data available.

VOC g/l: 840

9.2. Other information

Other information: Not applicable.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.

Decomposition may occur on exposure to conditions or materials listed below.

10.4. Conditions to avoid

Conditions to avoid: Heat.

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents. Strong acids.

10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes.

Section 11: Toxicological information

11.1. Information on toxicological effects

[cont...]

Hazardous ingredients:

TOLUENE

IVN	RAT	LD50	1960	mg/kg
ORL	MUS	LD50	2	gm/kg
ORL	RAT	LD50	6900	mg/kg

BUTAN-2-OL

IVN	RAT	LD50	138	mg/kg
ORL	RAT	LD50	2193	mg/kg
SKN	RAT	LD50	>2	gm/kg

BUTAN-1-OL

IVN	RAT	LD50	310	mg/kg
ORL	MUS	LD50	2680	mg/kg
ORL	RAT	LD50	790	mg/kg

CYCLOHEXANE

ORL	MUS	LD50	813	mg/kg
ORL	RAT	LD50	12705	mg/kg

ETHYLBENZENE

IPR	MUS	LD50	2624	µl/kg
ORL	RAT	LD50	3500	mg/kg

HEPTANE

IVN	MUS	LD50	222	mg/kg

N-HEXANE

IPR	RAT	LDLO	9100	mg/kg
IVN	MUS	LDLO	831	mg/kg
ORL	RAT	LD50	25	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

[cont...]

PROPAN-1-OL

IVN	RAT	LD50	590	mg/kg
ORL	MUS	LD50	6800	mg/kg
ORL	RAT	LD50	1870	mg/kg

XYLENE

ORL	MUS	LD50	2119	mg/kg
ORL	RAT	LD50	4300	mg/kg
SCU	RAT	LD50	1700	mg/kg

METHYL ACETATE

ORL	RAT	LD50	>5	gm/kg
SCU	RAT	LDLO	8	gm/kg

ETHANOL

IVN	RAT	LD50	1440	mg/kg
ORL	MUS	LD50	3450	mg/kg
ORL	RAT	LD50	7060	mg/kg

ACETONE

IVN	RAT	LD50	5500	mg/kg
ORL	MUS	LD50	3000	mg/kg
ORL	RAT	LD50	5800	mg/kg

N-BUTYL ACETATE

ORL	MUS	LD50	6	gm/kg
ORL	RAT	LD50	10768	mg/kg

ETHYL ACETATE

ORL	MUS	LD50	4100	mg/kg
ORL	RAT	LD50	5620	mg/kg
SCU	RAT	LDLO	5	gm/kg

METHANOL

IVN	RAT	LD50	2131	mg/kg
ORL	MUS	LD50	7300	mg/kg
ORL	RAT	LD50	5628	mg/kg

[cont...]

4-METHYLPENTAN-2-ONE

IPR	RAT	LD50	400	mg/kg
ORL	MUS	LD50	1900	mg/kg
ORL	RAT	LD50	2080	mg/kg

PROPYL ACETATE

ORL	MUS	LD50	8300	mg/kg
ORL	RAT	LD50	9370	mg/kg

TETRAHYDROFURAN

IPR	MUS	LD50	1900	mg/kg
IPR	RAT	LD50	2900	mg/kg
ORL	RAT	LD50	1650	mg/kg

Relevant hazards for substance:

Hazard	Route	Basis
Skin corrosion/irritation	DRM	Hazardous: calculated
Serious eye damage/irritation	OPT	Hazardous: calculated
Carcinogenicity	--	Hazardous: calculated
Reproductive toxicity	--	Hazardous: calculated
STOT-single exposure	-	Hazardous: calculated
STOT-repeated exposure	-	Hazardous: calculated

Symptoms / routes of exposure

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be pain and redness. The eyes may water profusely. There may be severe pain. The vision may become blurred. May cause permanent damage.

Ingestion: There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

Section 12: Ecological information

12.1. Toxicity

Hazardous ingredients:

ACETONE

BLUEGILL (Lepomis macrochirus)	LC50	8300	mg/l

[cont...]

12.2. Persistence and degradability

Persistence and degradability: Biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: No bioaccumulation potential.

12.4. Mobility in soil

Mobility: Readily absorbed into soil.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Other adverse effects: Negligible ecotoxicity.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

Recovery operations: Solvent reclamation/regeneration.

Waste code number: 08 01 11

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.

Section 14: Transport information

14.1. UN number

UN number: UN1263

14.2. UN proper shipping name

Shipping name: PAINT RELATED MATERIALS

14.3. Transport hazard class(es)

Transport class: 3

14.4. Packing group

Packing group: II

14.5. Environmental hazards

Environmentally hazardous: Yes **Marine pollutant:** No

14.6. Special precautions for user

Special precautions: No special precautions.

Tunnel code: D/E

[cont...]

Transport category: 1

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

Transport in bulk: N/A

Section 15: Regulatory information

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

Specific regulations: Not applicable.

15.2. Chemical Safety Assessment

Section 16: Other information

Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

Phrases used in s.2 and s.3: EUH019: May form explosive peroxides.
EUH066: Repeated exposure may cause skin dryness or cracking.
H225: Highly flammable liquid and vapour.
H226: Flammable liquid and vapour.
H301: Toxic if swallowed.
H302: Harmful if swallowed.
H304: May be fatal if swallowed and enters airways.
H311: Toxic in contact with skin.
H312: Harmful in contact with skin.
H315: Causes skin irritation.
H318: Causes serious eye damage.
H319: Causes serious eye irritation.
H331: Toxic if inhaled.
H332: Harmful if inhaled.
H335: May cause respiratory irritation.
H336: May cause drowsiness or dizziness.
H351: Suspected of causing cancer <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.
H361d: Suspected of damaging the unborn child.
H361f: Suspected of damaging fertility.
H370: Causes damage to organs <or state all organs affected, if known> <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.
H371: May cause damage to organs <or state all organs affected, if known> <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.
H373: May cause damage to organs <or state all organs affected, if known> through

[cont...]

prolonged or repeated exposure <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

H400: Very toxic to aquatic life.

H410: Very toxic to aquatic life with long lasting effects.

H411: Toxic to aquatic life with long lasting effects.

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.