

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

1.1. Product identifier

Product form : Mixture
Product name : Standard Thinners
Product group : Blend

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

1.2.1. Relevant identified uses

No additional information available

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety datasheet

Absolute Solvents Limited
K5, The Courtyard, Jenson Avenue
Commerce Park , Frome, Somerset
BA11 2FG
Telephone: 01373 451170 E-Mail: enquiries@absolutesolvents.co.uk
Fax: 01373 467800

1.4. Emergency telephone number

Emergency number : 0844 892 0111

Country	Organisation/Company	Address	Emergency number	Comment
	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH Birmingham	0844 892 0111 (UK only)	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Flammable liquids, Category 2 H225
Skin corrosion/irritation, Category 2 H315
Serious eye damage/eye irritation, Category 2 H319
Reproductive toxicity, Category 2 H361
Specific target organ toxicity — Single exposure, Category 3, Narcosis H336
Specific target organ toxicity — Repeated exposure, Category 2 H373

Full text of H statements : see section 16

Classification according to Directive 67/548/EEC or 1999/45/EC

Repr.Cat.3; R63
F; R11
Xn; R20/21
Xn; R48/20
Xi; R36/38

Full text of R-phrases: see section 16

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS02

GHS07

GHS08

Signal word (CLP) : Danger

Gunwash

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

Hazardous ingredients	: Toluene, Acetone, Xylene, Methanol, Ethyl Acetate, Isopropanol, Tetrahydrofuran, Dichloromethane
Hazard statements (CLP)	: H225 - Highly flammable liquid and vapour H315 - Causes skin irritation H319 - Causes serious eye irritation H336 - May cause drowsiness or dizziness H361 - Suspected of damaging fertility or the unborn child H373 - May cause damage to organs through prolonged or repeated exposure
Precautionary statements (CLP)	: P201 - Obtain special instructions before use P202 - Do not handle until all safety precautions have been read and understood P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking P233 - Keep container tightly closed P240 - Ground/bond container and receiving equipment P241 - Use explosion-proof electrical/ventilating/lighting/... equipment P260 - Do not breathe dust/fume/gas/mist/vapours/spray P264 - Wash ... thoroughly after handling P271 - Use only outdoors or in a well-ventilated area P280 - Wear protective gloves/protective clothing/eye protection/face protection P302+P352 - IF ON SKIN: Wash with plenty of water/... P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing P308+P313 - IF exposed or concerned: Get medical advice/attention P312 - Call a POISON CENTER/doctor/... if you feel unwell P321 - Specific treatment (see ... on this label) P332+P313 - If skin irritation occurs: Get medical advice/attention P337+P313 - If eye irritation persists: Get medical advice/attention P362+P364 - Take off contaminated clothing and wash it before reuse P370+P378 - In case of fire: Use ... to extinguish P403+P233 - Store in a well-ventilated place. Keep container tightly closed P403+P235 - Store in a well-ventilated place. Keep cool P405 - Store locked up P501 - Dispose of contents/container to ...
Security closing plug for children	: No
Tactile warning	: No

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification according to Directive 67/548/EEC	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Acetone	(CAS No) 67-64-1 (EC no) 200-662-2 (EC index no) 606-001-00-8 (REACH-no) 01-2119471330-49	1.0 - <3.0%	F; R11 Xi; R36 R66 R67	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
Xylene	(CAS No) 1330-20-7 (EC no) 215-535-7 (EC index no) 601-022-00-9	5.0 - <10.0%	R10 Xn; R20/21 Xi; R38	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation), H332 Acute Tox. 4 (Dermal), H312 Skin Irrit. 2, H315
Toluene	(CAS No) 108-88-3 (EC no) 203-625-9 (EC index no) 601-021-00-3 (REACH-no) 01-2119471310-51	10.0 - <20.0%	F; R11 Repr.Cat.3; R63 Xn; R65 Xn; R48/20 Xi; R38 R67	Flam. Liq. 2, H225 Repr. 2, H361d Asp. Tox. 1, H304 STOT RE 2, H373 Skin Irrit. 2, H315 STOT SE 3, H336
Tetrahydrofuran	(CAS No) 109-99-9 (EC No) 203-726-8	0.5 – 5.0%		
Isopropanol	(CAS No) 67-63-0 (EC no) 200-661-7 (EC index no) 603-117-00-0 (REACH-no) 01-2119457558-25	5.0 - <10.0%	F; R11 Xi; R36 R67	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336

Gunwash

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

Name	Product identifier	%	Classification according to Directive 67/548/EEC	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Methanol	(CAS No) 67-56-1 (EC no) 200-659-6 (EC index no) 603-001-00-X (REACH-no) 01-2119433307-44	1.0 - <10%	F; R11 T; R23/24/25 T; R39/23/24/25	Flam. Liq. 2, H225 Acute Tox. 3 (Inhalation), H331 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Oral), H301 STOT SE 1, H370
Ethyl Acetate	(CAS No) 141-78-6 (EC no) 205-500-4 (EC index no) 607-022-00-5 (REACH-no) 01-2119475103-46	1.0 - <3.0%	F; R11 Xi; R36 R66 R67	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
Dichloromethane	(CAS No) 75-09-2 (EC no) 200-838-9 (EC index no) 602-004-00-3	1.0 - <10%	Carc.Cat. 3; R40 R36/37/38 R67	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Carc. 2, H351

Specific concentration limits:

Name	Product identifier	Specific concentration limits: DSD/DPD	Specific concentration limits: CLP calculator
Xylene	(CAS No) 1330-20-7 (EC no) 215-535-7 (EC index no) 601-022-00-9	(C >= 12.5) Xn;R20/21	
Methanol	(CAS No) 67-56-1 (EC no) 200-659-6 (EC index no) 603-001-00-X (REACH-no) 01-2119433307-44	(3 <= C < 20) Xn;R20/21/22 (3 < C < 10) Xn;R68/20/21/22 (C >= 10) T;R39/23/24/25 (C >= 20) T;R23/24/25	(3 <= C < 10) STOT SE 2, H371 (C >= 10) STOT SE 1, H370

Full text of R- and H-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: IF exposed or concerned: Get medical advice/attention.
First-aid measures after inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
First-aid measures after skin contact	: Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention. Specific treatment (see ... on this label).
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

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

Symptoms/injuries	: Suspected of damaging fertility or the unborn child. Causes damage to organs.
Symptoms/injuries after inhalation	: May cause drowsiness or dizziness.
Symptoms/injuries after skin contact	: Causes skin irritation.
Symptoms/injuries after eye contact	: Causes serious eye irritation.

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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

No additional information available

5.2. Special hazards arising from the substance or mixture

Fire hazard	: Highly flammable liquid and vapour.
Explosion hazard	: May form flammable/explosive vapour-air mixture.

5.3. Advice for firefighters

No additional information available

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Remove ignition sources. Use special care to avoid static electric charges. No naked lights. No smoking.

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

Protective equipment : Avoid breathing dust/fume/gas/mist/vapours/spray.

6.2. Environmental precautions

Gunwash

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

No additional information available

6.3. Methods and material for containment and cleanup

No additional information available

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Handle empty containers with care because residual vapours are flammable.
Precautions for safe handling : No naked lights. No smoking. Use only non-sparking tools. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well-ventilated area.
Hygiene measures : Wash ... thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/... equipment.
Storage conditions : Keep in fireproof place. Keep container tightly closed.
Incompatible materials : Heat sources.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

methanol (67-56-1)		
EU	IOELV TWA (mg/m ³)	266 mg/m ³ (8 hours)
EU	IOELV TWA (ppm)	200 ppm (8 hours)
EU	IOELV STEL (mg/m ³)	333 mg/m ³ (15 mins)
EU	IOELV STEL (ppm)	250 ppm (15 mins)
ETHYL ACETATE (141-78-6)		
EU	IOELV TWA (ppm)	200 ppm
EU	IOELV STEL (ppm)	400 ppm
Isopropanol (67-63-0)		
EU	IOELV TWA (mg/m ³)	999 mg/m ³ (8 hours)
EU	IOELV TWA (ppm)	400 ppm (8 hours)
EU	IOELV STEL (mg/m ³)	1250 mg/m ³ (15 mins)
EU	IOELV STEL (ppm)	500 ppm (15 mins)

8.2. Exposure controls

Skin and body protection : Wear suitable protective clothing
Respiratory protection : Where exposure through inhalation may occur from use, respiratory protection equipment is recommended

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid
Appearance : Clear, colorless liquid.
Colour : clear.
Odour : characteristic.
Odour threshold : No data available
pH : 5 - 9
Relative evaporation rate (butylacetate=1) : No data available
Melting point : No data available
Freezing point : No data available
Boiling point : 40 - 150 °C
Flash point : < 21 °C
Self ignition temperature : No data available
Decomposition temperature : No data available

Gunwash

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

Flammability (solid, gas)	: 0.9 °C Highly flammable liquid and vapour
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 0.82 - 0.88 g/cm ³
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Highly flammable liquid and vapour. May form flammable/explosive vapour-air mixture.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

Open flame. Direct sunlight.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

May release flammable gases.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

methanol (67-56-1)	
LD50 oral rat	≥ 1187 mg/kg
LD50 dermal rabbit	~ 17100 mg/kg
LC50 inhalation rat (mg/l)	128.2 mg/l/4h
ETHYL ACETATE (141-78-6)	
LD50 oral rat	5600 mg/kg
LD50 dermal rabbit	18000 mg/kg
LC50 inhalation rat (mg/l)	58 mg/l (8 hours)
Isopropanol (67-63-0)	
LD50 oral rat	4700 mg/kg
LD50 oral	≥ 2000 mg/kg (rabbit)
LC50 inhalation rat (mg/l)	46.5 mg/l/4h

Skin corrosion/irritation	: Causes skin irritation. pH: 5 - 9
Serious eye damage/irritation	: Causes serious eye irritation. pH: 5 - 9
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Suspected of damaging fertility or the unborn child.
Specific target organ toxicity (single exposure)	: May cause drowsiness or dizziness.
Specific target organ toxicity (repeated exposure)	: May cause damage to organs through prolonged or repeated exposure.

Gunwash

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

Aspiration hazard : Not classified

SECTION 12: Ecological information

12.1. Toxicity

methanol (67-56-1)	
LC50 fishes 1	15400 mg/l (Lepomis macrochirus (Bluegill) 96 hours)
EC50 Daphnia 1	≥ 10000 mg/l (48 hours)
EC50 other aquatic organisms 1	~ 22000 mg/l (Pseudokirchneriella sucapitata, 96 hours)
ETHYL ACETATE (141-78-6)	
LC50 fishes 1	230 mg/l (Pimephales promelas; 96 hours)
EC50 Daphnia 1	717 mg/l (Daphnia magna; 48 hours) (DIN 38412)
EC50 other aquatic organisms 1	3300 mg/l (Desmodesmus subspicatus (green algae); 48 hours)
EC50 other aquatic organisms 2	2900 mg/l (Pseudomonas putida; 16 hours)
Isopropanol (67-63-0)	
LC50 fishes 1	≥ 100 mg/l (48 hours)
LC50 other aquatic organisms 2	≥ 100 mg/l (Algae, 72 hours)
EC50 Daphnia 1	≥ 100 mg/l (48 hours)

12.2. Persistence and degradability

methanol (67-56-1)	
Persistence and degradability	Readily biodegradable.
ETHYL ACETATE (141-78-6)	
Persistence and degradability	The product evaporates easily from water surface. Readily biodegradable.
Biodegradation	79 % (Exposure Time: 20 days)(OECD 301 D)
Acetone (67-64-1)	
Persistence and degradability	Not established.
Isopropanol (67-63-0)	
Persistence and degradability	Biodegradable.

12.3. Bioaccumulative potential

methanol (67-56-1)	
Log Pow	-0.7
Bioaccumulative potential	The product has low potential for bioaccumulation.
ETHYL ACETATE (141-78-6)	
Log Kow	0.6
Bioaccumulative potential	BCF: 30 (3 days).
Acetone (67-64-1)	
Bioaccumulative potential	Not established.
Isopropanol (67-63-0)	
Bioaccumulative potential	The product does not contain any substances expected to be bioaccumulating.

12.4. Mobility in soil

methanol (67-56-1)	
Ecology - soil	The product is miscible with water. May spread in water systems.

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste material should not be disposed of directly to drain. Uncleaned empty containers should be treated as hazardous waste. Avoid unauthorised disposal. Do not dump illegally onto land or into water. Dispose of waste and residues in accordance with local authority requirements. The recommended method for treatment of waste residues is either reclamation or incineration by specialist disposal company. Recover and reclaim or recycle, if practical. When dealing with waste always consider the waste management hierarchy of Prevention, Preparation for re-use, Recycling, Recovery and Disposal. It is advisable to minimise waste at source if possible, then re-use, recover or recycle wherever possible before considering waste disposal options.

SECTION 14: Transport information

Gunwash

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

14.1. UN number

No dangerous good in sense of transport regulations

UN-No. (ADR) : 1263
UN-No. (IMDG) : Not applicable
UN-No.(IATA) : Not applicable
UN-No.(ADN) : Not applicable
UN-No. (RID) : Not applicable

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Standard Thinners
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable
Proper Shipping Name (RID) : Not applicable
Transport document description (ADR)
Class 3) : UN 1263; Paint Related Material; PG II;

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : 3
Danger labels (ADR) : 3



IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : II
Packing group (IMDG) : Not applicable
Packing group (IATA) : Not applicable
Packing group (ADN) : Not applicable
Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No
Marine pollutant : Yes
Other information : No supplementary information available

14.6. Special precautions for user

- Overland transport

Classification code (ADR) : F1
Limited quantities (ADR) : 1L
Excepted quantities (ADR) : E2
Packing instructions (ADR) : P001, IBC02, R001
Mixed packing provisions (ADR) : MP19
Mixed Portable tank and bulk container
instructions (ADR) : T4

Gunwash

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

Mixed Portable tank and bulk container special provisions (ADR) : TP1
ADR tank codes (ADR) : LGBF
Vehicle for tank carriage : FL
Transport category (ADR) : 2
Special provisions for carriage -Operation (ADR) : S2, S20
Hazard identification number (Kemler No.) : 33
Tunnel restriction code (ADR) :
D/E
EAC code : •2YE

- Transport by sea

No data available

- Air transport

No data available

- Inland waterway transport

No data available

- Rail transport

No data available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no substances with Annex XVII restrictions

Contains no REACH candidate substance

Contains no REACH Annex XIV substances.

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Full text of R-, H- and EUH-phrases::

Acute Tox. 3 (Dermal)	Acute toxicity (dermal), Category 3
Acute Tox. 3 (Inhalation)	Acute toxicity (inhal.), Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Repr. 2	Reproductive toxicity, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2
STOT SE 1	Specific target organ toxicity — single exposure, Category 1
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
H225	Highly flammable liquid and vapour
H226	Flammable liquid and vapour

Gunwash

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

H301	Toxic 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
H319	Causes serious eye irritation
H331	Toxic if inhaled
H332	Harmful if inhaled
H336	May cause drowsiness or dizziness
H361	Suspected of damaging fertility or the unborn child
H361d	Suspected of damaging the unborn child
H370	Causes damage to organs
H373	May cause damage to organs through prolonged or repeated exposure
R10	Flammable
R11	Highly flammable
R20/21	Harmful by inhalation and in contact with skin
R23/24/25	Toxic by inhalation, in contact with skin and if swallowed
R36	Irritating to eyes
R36/38	Irritating to eyes and skin
R38	Irritating to skin
R39/23/24/25	Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed
R48/20	Harmful: danger of serious damage to health by prolonged exposure through inhalation
R63	Possible risk of harm to the unborn child
R65	Harmful: may cause lung damage if swallowed
R66	Repeated exposure may cause skin dryness or cracking
R67	Vapours may cause drowsiness and dizziness
F	Highly flammable
T	Toxic
Xi	Irritant
Xn	Harmful

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product