

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

### 1.1. Product identifier

**Product name:** Fixco Solvent Cleaner  
**Synonyms:** ZSOLVSIROBULK (17A)

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

Use of substance / mixture: Use in cleaning agents. Consumer uses: Private households / general public / consumers. plastics Industry.

### 1.3. Details of the supplier of the safety data sheet

Supplier :  
Fixco Ltd, 2a/2b Elland Rd Ind Park, Elland Way, Leeds, LS11 0EY  
www.fixco.ltd | Email: info@fixco.ltd | Office: 0113 277 8600

## SECTION 2 : HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

**Classification under CLP:** Flam. Liq. 2: H225; STOT SE 3: H336; Aquatic Chronic 2: H411; Skin Irrit. 2: H315; STOT RE 2: H373; Asp. Tox. 1: H304; -: EUH066

**Most important adverse effects:** Repeated exposure may cause skin dryness or cracking. Highly flammable liquid and vapour. May be fatal if swallowed and enters airways. Causes skin irritation. May cause drowsiness or dizziness. May cause damage to organs through prolonged or repeated exposure. Toxic to aquatic life with long lasting effects.

### 2.2. Label elements

#### Hazard statements:

EUH066: Repeated exposure may cause skin dryness or cracking.  
H225: Highly flammable liquid and vapour.  
H304: May be fatal if swallowed and enters airways.  
H315: Causes skin irritation.  
H336: May cause drowsiness or dizziness.  
H373: May cause damage to organs through prolonged or repeated exposure.  
H411: Toxic to aquatic life with long lasting effects.

#### Hazard pictograms:

GHS02: Flame  
GHS08: Health hazard  
GHS07: Exclamation mark  
GHS09: Environmental



#### Signal words:

Danger

#### Precautionary statements:

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.  
P273: Avoid release to the environment.  
P102: Keep out of reach of children.

### 2.3. Other hazards

**Other hazards:** In use, may form flammable / explosive vapour-air mixture.  
**PBT:** This product is not identified as a PBT/vPvB substance.

## SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2. Mixtures

#### Hazardous ingredients:

LOW BOILING POINT HYDROGEN TREATED NAPHTHA - NAPHTHA (PETROLEUM), HYDROTREATED LIGHT - REACH registered number(s): 01-2119473851-33

EINECS	CAS	PBT / WEL	CLP Classification	Percent
265-151-9	64742-49-0	-	Asp. Tox. 1: H304; Flam. Liq. 1: H224; Skin Irrit. 2: H315; Aquatic Chronic 2: H411	30-50%

N-BUTYL ACETATE - REACH registered number(s): 01-2119485493-29

204-658-1	123-86-4	Substance with a Community workplace exposure limit.	Flam. Liq. 3: H226; STOT SE 3: H336; -: EUH066	10-30%
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ETHANOL - REACH registered number(s): 01-2119475610-43

200-578-6	64-17-5	Substance with a Community workplace exposure limit.	Flam. Liq. 2: H225	10-30%
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LOW BOILING POINT HYDROGEN TREATED NAPHTHA - NAPHTHA (PETROLEUM), HYDRODESULPHURIZED HEAVY - REACH registered number(s): 01-2119458049-33

265-185-4	64742-82-1	-	STOT RE 1: H372; Asp. Tox. 1: H304	1-10%
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2-BUTOXYETHANOL - REACH registered number(s): 01-2119475108-36

203-905-0	111-76-2	-	Acute Tox. 4: H332; Acute Tox. 4: H312; Acute Tox. 4: H302; Eye Irrit. 2: H319; Skin Irrit. 2: H315	1-10%
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METHANOL - REACH registered number(s): 01-2119433307-44

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	<1%
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## SECTION 4 : FIRST AID MEASURES

### 4.1 Description of first aid measures

<b>Skin contact:</b>	Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin.
<b>Eye contact:</b>	Immediately flood the eye with plenty of water for at least 15 minutes, holding the eye open. Remove any contact lenses and open eyes wide apart. Get medical attention if any discomfort continues
<b>Ingestion:</b>	Wash out mouth with water. If patient is conscious, give water to drink. If patient feels unwell, seek medical advice. DO NOT INDUCE VOMITING.
<b>Inhalation:</b>	Remove from exposure, rest and keep warm. In severe cases, or if recovery is not rapid or complete, seek medical advice.

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

<b>Skin contact:</b>	There may be irritation and redness at the site of contact.
<b>Eye contact:</b>	There may be irritation and redness. The eyes may water profusely.
<b>Ingestion:</b>	There may be soreness and redness of the mouth and throat.
<b>Inhalation:</b>	There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.
<b>Delayed / immediate effects:</b>	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 : FIREFIGHTING MEASURES

### 5.1. Extinguishing media

**Extinguishing media:** Alcohol resistant foam. Water spray. Carbon dioxide. Dry chemical powder. Use water spray to cool containers.

### 5.2. Special hazards arising from the substance or mixture

**Exposure hazards:** Highly flammable. In combustion emits toxic fumes. Forms explosive air-vapour mixture. Vapour may travel considerable distance to source of ignition and flash back.

### 5.3. Advice for firefighters

**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:** 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.

### 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. Do not use equipment in clean-up procedure which may produce sparks. Clean-up should be dealt with only by qualified personnel familiar with the specific substance.

### 6.4. Reference to other sections

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

## SECTION 7 : HANDLING AND STORAGE

### 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:**

#### 2-BUTOXYETHANOL

**Workplace exposure limits:**

State	8 Hour TWA	15 min. STEL	8 Hours TWA	15 min. STEL
UK	25 ppm	50 ppm	-	-

#### METHANOL

UK	266 mg/m <sup>3</sup>	333 mg/m <sup>3</sup>	-	-
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## DNEL/PNEC Values

### Hazardous ingredients:

#### N-BUTYL ACETATE

Type	Exposure	Value	Population	Effect
DNEL	Inhalation	960 mg/m <sup>3</sup>	Workers	Local
DNEL	Inhalation	480 mg/m <sup>3</sup>	Workers	Systemic
DNEL	Inhalation	859.7 mg/m <sup>3</sup>	Consumers	Local
DNEL	Inhalation	102.34	Consumers	Systemic
PNEC	Fresh water	0.18 mg/l	-	-
PNEC	Marine water	0.018 mg/l	-	-
PNEC	Microorganisms in sewage treatment	35.6 mg/l	-	-
PNEC	Fresh water sediments	0.981 mg/kg	-	-
PNEC	Marine sediments	0.0981 mg/kg	-	-
PNEC	Soil (agricultural)	0.0903 mg/kg	-	-

#### METHANOL

Type	Exposure	Value	Population	Effect
DNEL	Dermal	40 mg/kg/day	Workers	Systemic
DNEL	Inhalation	260 mg/m <sup>3</sup>	Workers	Systemic
DNEL	Dermal	40 mg/kg/day	Workers	Local
DNEL	Inhalation	260 mg/m <sup>3</sup>	Workers	Local
DNEL	Dermal	8 mg/kg/day	Consumers	Systemic
DNEL	Inhalation	50 mg/m <sup>3</sup>	Consumers	Systemic
DNEL	Demal	8 mg/kg/day	Consumers	Local

## 8.2. Exposure controls

### Engineering measures:

Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition. In case of insufficient ventilation, where exposure to high concentrations of vapour is possible, suitable respiratory protective equipment with positive air supply should be used.

### Respiratory protection:

If exposure levels are likely to be exceeded, use a full face mask fitted with an organic AXP3 filter for short term low level exposures. For long term or high level exposures, compressed airline breathing apparatus should be used.

### Hand protection:

Protective gloves should be replaced at first signs of wear. Ensure gloves are manufactured/tested in accordance with BS EN 374. Butyl, nitrile or pvc coated gloves. Glove Thickness > 0.6mm

### Eye protection:

Safety goggles. Safety glasses. Ensure eye bath is to hand.

### Skin protection:

Impermeable protective clothing.

### Environmental:

Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities.

## SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

<b>State:</b>	Liquid		
<b>Colour:</b>	Colourless		
<b>Odour:</b>	Hydrocarbon		
<b>Evaporation rate:</b>	No data available.		
<b>Oxidising:</b>	Non-oxidising (by EC criteria)		
<b>Solubility in water:</b>	Slightly soluble		
<b>Also soluble in:</b>	Acetone.		
<b>Viscosity:</b>	Non-viscous		
<b>Boiling point/range°C:</b>	78.4-115.4	<b>Melting point/range°C:</b>	No data available.
<b>Flammability limits %: lower:</b>	3.3	<b>upper:</b>	19.0
<b>Flash point°C:</b>	12 Part.coeff.	<b>n-octanol/water:</b>	No data available.
<b>Autoflammability°C:</b>	>230	<b>Vapour pressure:</b>	5.8 kPa
<b>Relative density:</b>	0.774	<b>pH:</b>	Approx 7
<b>VOC g/l:</b>	No data available.		

### 9.2. Other information

**Other information:** No data available.

## 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. Stable at room temperature.

### 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. Hot surfaces. Sources of ignition. Flames.

### 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

**Hazardous ingredients:**

#### N-BUTYL ACETATE

ORL	RAT	LD50	10768	mg/kg
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#### ETHANOL

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

#### 2-BUTOXYETHANOL

IVN	RAT	LD50	307	mg/kg
ORL	MUS	LD50	1230	mg/kg
ORL	RAT	LD50	470	mg/kg

#### METHANOL

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

**Relevant hazards for product:**

Hazard	Route	Basis
Skin corrosion/irritation	DRM	Hazardous: calculated
STOT-single exposure	-	Hazardous: calculated
STOT-repeated exposure	-	Hazardous: calculated
Aspiration hazard	-	Hazardous: calculated

**Symptoms / routes of exposure**

**Skin contact:** There may be irritation and redness at the site of contact.  
**Eye contact:** There may be irritation and redness. The eyes may water profusely.  
**Ingestion:** There may be soreness and redness of the mouth and throat.  
**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.  
**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

**SECTION 12 : ECOLOGICAL INFORMATION****12.1. Toxicity**

**Ecotoxicity values:** No data available.

**12.2. Persistence and degradability**

**Persistence and degradability:** No data available.

**12.3. Bioaccumulative potential**

**Bioaccumulative potential:** No data available.

**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:** Toxic to aquatic organisms. Toxic to soil organisms.

**SECTION 13 : DISPOSAL CONSIDERATIONS****13.1. Waste treatment methods**

**Disposal operations:** Transfer to a suitable container and 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:** UN1993

**14.2. UN proper shipping name**

**Shipping name:** FLAMMABLE LIQUID, N.O.S.  
(Hydrocarbons, C7-C9,n-alkanes,isoalkanes,cyclics,butyl acetate,ethanol)

**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:** Yes

**14.6. Special precautions for user**

**Special precautions:** No special precautions.

**Tunnel code:** D/E

**Transport category:** 2

**SECTION 15: REGULATORY INFORMATION****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****15.2. Chemical Safety Assessment**

**Chemical safety assessment:** A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

**SECTION 16: OTHER INFORMATION****Other information**

**Other information:** This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.  
\*indicates text in the SDS which has changed since the last revision.

**Phrases used in s.2 and s.3:**

**EUH066:** Repeated exposure may cause skin dryness or cracking.

**H224:** Extremely flammable liquid and vapour.

<b>H225:</b>	Highly flammable liquid and vapour.
<b>H226:</b>	Flammable liquid and vapour.
<b>H301:</b>	Toxic if swallowed.
<b>H302:</b>	Harmful if swallowed.
<b>H304:</b>	May be fatal if swallowed and enters airways.
<b>H311:</b>	Toxic in contact with skin.
<b>H312:</b>	Harmful in contact with skin.
<b>H315:</b>	Causes skin irritation.
<b>H319:</b>	Causes serious eye irritation.
<b>H331:</b>	Toxic if inhaled.
<b>H332:</b>	Harmful if inhaled.
<b>H336:</b>	May cause drowsiness or dizziness.
<b>H370:</b>	Causes damage to organs.
<b>H372:</b>	Causes damage to organs.
<b>H373:</b>	May cause damage to organs.
<b>H411:</b>	Toxic to aquatic life with long lasting effects.
<b>Legal disclaimer:</b>	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.