



## Section 1. Product and Company Identification.

**1.1 Model Number;** S0477 v2  
**1.2 Description;** Spirit Level 1200mm  
Fluid incorporated into spirit level

### 1.3 Manufacturer;

Sealey Group.  
Kempson Way,  
Bury St. Edmunds,  
Suffolk.  
IP32 7AR

**1.4 Emergency telephone number;** 44 (0) 1284 757 500 (Office Hours)

**Date of source compilation;** 28/04/2016

## Section 2. Hazards Identification.

Spirit levels do not present a hazard during normal conditions of use.

Inappropriate handling and/or use can cause the fluid to leak.

**Ingestion:** Fluid contents of a spirit level may be fatal if swallowed and enters airways.  
**Inhalation:** Fluid contents of a spirit level can cause drowsiness or dizziness.  
**Skin Contact:** Repeated exposure to the fluid contents of a spirit level can cause may cause skin dryness or cracking.  
**Eye Contact:** Fluid contents of a spirit level can cause serious eye irritation.



## Section 3. Substances.

3.1 Chemical Name (substance)	3.1 CAS No.	3.2 Concentration Volume	Classification	
			Hazard Class & Category Code	Hazard Statements
Toluene	108-88-3	57.3%	Flam. Liq. 2 Skin. Irrit. 2 Repr. 2 STOT SE 3 STOT RE 2 Asp. Tox 1	H225 H315 H361 H336 H373 H304
Methanol	67-56-1	23.6%	Flam. Liq. 2 Acute Tox. 3 Acute Tox. 3 Acute Tox. 3 STOT SE 1	H225 H331 H311 H301 H370
Acetone	67-64-1	11.4%	Flam. Liq. 2 Eye Irrit. 2 STOT SE 3	H225 H319 H336
Methyl ethyl ketone	78-93-3	7.7%	Flam. Liq. 2 Eye Irrit. 2 STOT SE 3	H225 H319 H336

For full text of Phrases and Statements, see Section 16.



## Section 4. First Aid Measures.

### 4.1 Description of first aid measures

#### Inhalation

Remove to fresh air.  
Loosen tight clothing.  
If breathing is difficult, seek medical attention.

#### Skin Contact

Flush skin with plenty of water for at least 15 minutes.  
Remove contaminated clothing.  
Wash contaminated clothing before reuse.

#### Eye Contact

Rinse cautiously with water for several minutes.  
Remove contact lenses, if present and easy to do. Continue rinsing.  
Seek medical attention if symptoms persist.

#### Ingestion

Do not induce vomiting.  
Seek medical attention.

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

No information available.

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

No information available.

## Section 5. Fire Fighting Measures.

### 5.1. Extinguishing media

Carbon dioxide. Dry powder. Foam.

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

No information available.

### 5.3. Advice for fire-fighters

Wear self-contained breathing apparatus.



## Section 6. Accidental Release Measures.

### 6.1. Personal precautions, protective equipment and emergency procedures

Not necessary for Model Number identified in 1.1 with Description stated in 1.2.

If Spirit Level is damaged and fluid is spilled:

Wear protective gloves/protective clothing/eye protection/face protection. See Section 8.

### 6.2. Environmental precautions

Not necessary for Model Number identified in 1.1 with Description stated in 1.2.

If Spirit Level is damaged and fluid is spilled:

Prevent fluid from entering sewers, water courses basements or confined areas.

### 6.3. Methods and material for containment and cleaning up

Not necessary for Model Number identified in 1.1 with Description stated in 1.2.

If Spirit Level is damaged and fluid is spilled:

Use tools that will not generate sparks.

Collect spillage with non-combustible, absorbent material e.g. sand, earth vermiculite and place in a container for disposal.

Contaminated absorbent material may pose the same hazard as the spilled product.

See Section 13.

### 6.4. Reference to other sections

See Section 7 for information on Safe Handling

See Section 8 for information of Personal Protective Equipment.

See Section 13 for information on disposal.

## Section 7. Handling and Storage.

### 7.1. Precautions for safe handling

Not necessary for Model Number identified in 1.1 with Description stated in 1.2.

If Spirit Level is damaged and fluid is spilled:

Keep away from heat/sparks/open flames/hot surfaces. — No smoking.

Do not breathe dust/fume/gas/mist/vapours/spray.

Wear protective gloves/protective clothing/eye protection/face protection.

Prohibit eating drinking and smoking.

### 7.2. Conditions for safe storage, including any incompatibilities

Not necessary for Model Number identified in 1.1 with Description stated in 1.2.

### 7.3. Specific end use(s)

Intended for use as the fluid incorporated into the Model Number identified in 1.1 with Description stated in 1.2.



## Section 8. Exposure Controls/Personal Protection.

### 8.1. Control parameters

Chemical Name	ACGIH TLV		OSHA PEL	
	TWA	STEL	TWA	Ceiling
Acetone	500 ppm	750 ppm	750 ppm	750 ppm
Methyl ethyl ketone	200 ppm	300 ppm	200 ppm	300 ppm
Methanol	200 ppm	250 ppm	200 ppm	250 ppm
Toluene	20 ppm A4	Not established	100 ppm	150 ppm

### 8.2. Exposure controls

#### Appropriate Engineering Controls

Not necessary for Model Number identified in 1.1 with Description stated in 1.2.

#### If Spirit Level is damaged and fluid is spilled:

Ensure adequate local ventilation.

#### Eye/Face Protection

Chemical safety goggles

#### Skin Protection

Chemical grade protective gloves

#### Respiratory Protection

Self-contained breathing apparatus.



## Section 9. Physical and Chemical Properties.

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

The following information is not a technical specification or sales specification.

(a) Appearance:	Clear liquid
(b) Odour:	Hydrocarbon
(c) Odour threshold;	0.16 – 37 ppm (0.6 – 139.2 mg/m <sup>3</sup> ) (Toluene)
(d) pH:	No information available
(e) Melting point/freezing point;	-95°C (-139°F) (Toluene)
(f) Initial boiling point and boiling range;	110.6°C (231.1°F) (Toluene)
(g) Flash point;	-2°C (28°F) (closed cup)
(h) Evaporation rate;	2.0 (estimated) (n-butyl acetate=1)
(i) Flammability (solid, gas);	No information available.
(j) Upper flammability or explosive limits;	36% (Methanol)
lower flammability or explosive limits;	6% (Methanol)
(k) Vapour pressure;	21.98 mm Hg (2.93 kPa) at 20°C (Toluene)
(l) Vapour density;	3.19 (estimated)
(m) Relative density;	0.835 – 0.839 at 20°C
(n) Solubility(ies);	Slightly soluble in water. Soluble in all proportions in common organic solvents
(o) Partition coefficient: n-octanol/water;	No information available
(p) Auto-ignition temperature;	385°C (725°F) (Methanol)
(q) Decomposition temperature;	No information available
(r) Viscosity;	0.676mm <sup>2</sup> /s at 25°C (estimated) (kinematic) 0.586 mPa.s at 20°C (estimated)
(s) Explosive properties;	No information available
(t) Oxidising properties.	No information available

### 9.2 Other information

No information available

## Section 10. Stability and Reactivity.

<b>10.1.</b> Reactivity	Stable under normal conditions of use.
<b>10.2.</b> Chemical stability	Normally stable.
<b>10.3.</b> Possibility of hazardous reactions	None under normal storage and use.
<b>10.4.</b> Conditions to avoid	High temperatures. Accumulation of static charge. Open flame. Static discharge, heat, ignition sources. Hot surfaces. Prolonged exposure to air. Acidic conditions (low pH) Temperature above -2.0°C (28.4°F)
<b>10.5.</b> Incompatible materials	Reacts violently with strong acids Reacts explosively with strong oxidizing agents. Oxidizing agents.
<b>10.6.</b> Hazardous decomposition products	Very toxic carbon dioxide. Carbon dioxide. Very toxic, flammable aldehydes. Very toxic flammable formaldehyde.



## Section 11. Toxicological Information.

### 11.1. Information on toxicological effects

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Acetone	44000 mg/m <sup>3</sup> (mouse) (4 hour exposure)	3000 mg/kg (mouse)	> 15800 mg/kg (rabbit)
Methyl ethyl ketone	11300 - 11700 ppm (rat) (4 hour exposure)	2737 mg/kg (rat)	> 8050 mg/kg (rabbit)
Methanol	83867-5 mg/m <sup>3</sup> (rat) (4 hour exposure)	5628 mg/kg (rat)	15800 mg/kg (rabbit)
Toluene	12500 - 28800 mg/m <sup>3</sup> (rat) (4 hour exposure)	> 5580 mg/kg (rat)	12125 mg/kg (rabbit)

## Section 12. Ecological Information.

### 12.1. Toxicity

#### Acute Aquatic Toxicity

Chemical Name	LC50 Fish	EC50 Crustacea	ErC50 Aquatic Plants	ErC50 Algae
Acetone	8300 mg/L	Not available	-	Not available
Methyl Ethyl Ketone	3130 - 3320 mg/L	Not available	-	Not available
Methanol	15400 mg/L	10000 mg/L	-	-
Toluene	7.63 mg/L	8 mg/L	-	-

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

No information available.

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

No information available.

12.6. Other adverse effects

No information available.

## Section 13. Disposal Considerations.

### 13.1. Waste treatment methods

Disposal must be in accordance with local authority regulations. Use a licenced waste contractor.

## Section 14. Transport Information.

Product identified in 1.1 with description stated in 1.2 is not classified as hazardous for transport.

## Section 15. Regulatory Information.

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

No information available.

**15.2. Chemical safety assessment**

No information available.



**Section 16. Additional Information.**

Full text of Phrases and Statements used in Section 3;

H225 Highly flammable liquid and vapour.

H301 Toxic if swallowed.

H304 May be fatal if swallowed and enters airways.

H311 Toxic in contact with skin.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H331 Toxic if inhaled

H336 May cause drowsiness or dizziness.

H361 Suspected of damaging fertility or the unborn child.

H370 Causes damage to organs.

H373 May cause damage to organs through prolonged or repeated exposure.

The above information is believed to be accurate and represents the best information currently available.

No warranty is expressed or implied by the above information.

We assume no liability resulting from use of the above information.

The end user should conduct their own investigations to determine the suitability of the above information for their particular purpose.

Issue level	Date	Revisions
1	02/10/17	First issue.

End of Safety Data Sheet.