



ISO 9001



# ***Safety Data Sheet***

## **According to Regulation (EC) No. 1907/2006 (REACH)**

### **ISOPROPANOL**

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

##### **1.1 Product identifier**

**Product name:** ISOPROPANOL

**Product code:** BT10

**Product description:** Solvent for industrial use.

**CAS No.:** 67-63-0

**EC No.:** 200-661-7

**Index No.:** 603-117-00-0

**REACH Registration no.:** 01-2119457558-25-XXXX

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

**Identified use(s):** Cleaner and thinner.

**Uses advised against:** Follow supplier's recommendations on correct use of the product.

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

**Manufacturer/Supplier:** S G Bailey Paints Limited  
Unit 15A  
Griffin Mill  
London Road  
Thrupp  
Stroud  
Gloucestershire  
GL5 2AZ

**Telephone:** +44 (0)1453 882237

**E-mail:** richard@baileypaints.co.uk

##### **1.4 Emergency telephone number**

**In case of emergency, call:** +44 (0) 7774 460658 (UK number, 24 hours, 7 days)

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## **According to Regulation (EC) No. 1907/2006 (REACH)**

### **SECTION 2: Hazard Identification**

#### **2.1 Classification of the substance or mixture**

##### **Classification according to Regulation (EC) No. 1272/2008 (CLP)**

Flammable Liquid 2; H225

Eye Irritant 2; H319

Specific Target Organ Toxicity Single Exposure 3; H336

#### **2.2 Label elements according to Regulation (EC) No. 1272/2008 (CLP)**

##### **Hazard pictogram(s):**



##### **Signal Word:**

Danger

##### **Hazard Statement(s):**

H225: Highly flammable liquid and vapour.

H319: Causes serious eye irritation.

H336: May cause drowsiness or dizziness.

##### **Precautionary Statement(s):**

P210: Keep away from heat / sparks / open flames / hot surfaces. No smoking.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P304 + P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305 + P351 + P338: IF IN EYES: Rinse cautiously for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P370 + P378: In case of fire: Use for extinction: CO<sub>2</sub>, powder or water spray.

P403 + P233: Store in a well-ventilated place. Keep container tightly closed.

P501: Dispose of contents/container to hazardous waste.



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**Supplemental Hazard information (EU):**

None

**Contains:**

Not applicable.

### **2.3 Other hazards:**

None

## **SECTION 3: Composition**

### **3.1 Substances**

<b>CAS No.:</b>	67-63-0
<b>EC No.:</b>	200-661-7
<b>Index No.:</b>	603-117-00-0
<b>REACH Registration no.:</b>	01-2119457558-25-XXXX

## **SECTION 4: First Aid Measures**

### **4.1 Description of first aid measures**

**INHALATION:**

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms, seek medical advice.

**SKIN CONTACT:**

Remove contaminated clothing immediately. Rinse skin with water or shower and wash with soap and water.

**EYE CONTACT:**

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

**INGESTION:**

Clean mouth with water. Drink plenty of water. Do NOT induce vomiting. Obtain immediate medical attention.

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

Serious eye irritation, headaches, nausea. May cause drowsiness or dizziness.



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### **4.3 Indication of any immediate medical attention and special treatments needed**

Treat symptomatically.

## **SECTION 5: Fire-fighting Measures**

### **5.1 Extinguishing Media**

**Suitable extinguishing media:** Water spray, CO<sub>2</sub> or dry powder.

**Unsuitable extinguishing media:** Do not use water jet.

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

Vapours may travel along the ground to a distant ignition source and flash back, causing fire or explosion. Containers may rupture on heating. Toxic gases may be formed in a fire

### **5.3 Advice for fire-fighters**

FLAMMABLE. Evacuate area. Prevent run-off from fire control or dilution from entering drains or water courses. Self-contained breathing apparatus and suitable protective clothing must be worn in fire conditions. Keep fire-exposed containers cool by spraying with water. Do not allow to enter drains, sewers or watercourses.

Flash point: 13°C.

## **SECTION 6: Accidental Release Measures**

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

#### **6.1.1 For non-emergency personnel**

Eliminate sources of ignition. Ensure adequate ventilation. Avoid contact with skin and eyes. Avoid inhalation of vapours. Wear suitable personal and respiratory protective equipment. (see Section 8). Contaminated clothing should be thoroughly cleaned.

#### **6.1.2 For emergency responders**

Keep unnecessary personnel away. Wear suitable personal and respiratory protective equipment (see Section 8). Contaminated clothing should be thoroughly cleaned.



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### **6.2 Environmental precautions**

Collect spillage. Do not allow to enter drains, sewers or watercourses. Spillages or uncontrolled discharges into watercourses must be alerted to the Environment Agency or other appropriate regulatory body.

### **6.3 Methods and materials for containment and cleaning up**

#### **6.3.1 For containment**

Stop the leak if it is safe to do so. Contain the spillage with sand, earth or any suitable adsorbent material.

#### **6.3.2 For cleaning up**

Use sand, earth or any suitable non-combustible adsorbent material to adsorb spillages. Using non-sparking tools transfer the contaminated absorbent material into sealable containers for disposal. Containers should be sealed before being disposed of via an authorised waste disposal contractor.

#### **6.3.3 Other advice**

Wear suitable personal and respiratory protective equipment (see Section 8).

### **6.4 Reference to other sections**

See Section 8 for personal protective equipment. See Section 13 for waste disposal.

## **SECTION 7: Handling and Storage**

### **7.1 Precautions for safe handling**

Provide adequate ventilation, including local extraction to ensure the occupational exposure limit is not exceeded. Do not inhale vapours. Avoid contact with skin and eyes. Wear suitable personal and respiratory protective equipment (see Section 8). Eliminate all sources of ignition. Electrical equipment should be protected to the appropriate standard.

Do not eat, drink or smoke when using this product. Wash exposed skin after use. Contaminated work clothing should not be allowed out of the workplace. Contaminated clothing should be thoroughly cleaned or disposed of as hazardous waste.

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

Keep away from heat and sources of ignition. Keep from direct sunlight. Store locked up. Store only in the original container. Do not pressurise container. Product may charge electrostatically so all containers and associated equipment should be earthed and bonded to prevent static charge



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accumulation. Store in a cool, well ventilated place. Empty containers retain product residue and can be hazardous.

Ensure compliance with all regulations and guidance associated with the storage and use of flammable liquids.

See section 10 for incompatible materials.

### **7.3 Specific end uses(s)**

Industrial solvent for use as a cleaner and thinner.

## **SECTION 8: Exposure Controls/Personal Protection**

### **8.1 Control parameters**

#### **Workplace exposure limits (WEL) – United Kingdom**

Source: EH40/2005, 2<sup>nd</sup> Ed., 2011

Substance	CAS no.	LTEL (8 hr TWA)		STEL (15 min)	
		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Isopropanol	67-63-0	400	999	500	1250

#### **Other exposure limits**

Consult applicable national legislation for WELs in other countries.

#### **Biological limits**

None assigned.

#### **Derived No-Effect Level (DNEL)**

Not available.

#### **Predicted No-Effect Concentration (PNEC)**

Not available.



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### **8.2 Exposure controls**

#### **8.2.1 Appropriate engineering controls**

Provide adequate ventilation, including appropriate local extraction. Electrical equipment should be protected to the appropriate standard.

#### **8.2.2 Personal protection:**

A suitable and sufficient COSHH assessment must be undertaken and appropriate and compliant personal protective equipment (PPE) provided and used.

##### **Eye protection:**

Goggles or glasses giving complete protection to eyes (EN 166) or face shield.

##### **Skin protection:**

Appropriate barrier creams.

##### **Hand protection:**

Chemical resistant gloves. (EN 374). Recommended: Protective index 4 or higher for prolonged exposure.

##### **Other:**

Long sleeve protective clothing. Plastic apron. Rubber boots.

##### **Respiratory protection:**

If natural ventilation is inadequate, wear a respirator with filter type AX.

#### **8.2.3 Environmental exposure controls**

Inform environmental manager of all incidents involving this product.

## **SECTION 9: Physical and Chemical Properties**

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

<b>Appearance:</b>	Colourless liquid
<b>Odour:</b>	Alcohol-like
<b>Odour threshold:</b>	Not available
<b>pH:</b>	Neutral
<b>Melting/freezing point:</b>	- 90°C
<b>Boiling point:</b>	82°C
<b>Flash point:</b>	13°C
<b>Evaporation rate:</b>	Not available
<b>Flammability (solid; gas):</b>	Not applicable
<b>Upper/lower flammability or explosive limits:</b>	2 vol. % to 12 vol. %



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<b>Vapour pressure:</b>	43 hPa @ 20°C
<b>Vapour density:</b>	Not available
<b>Density:</b>	0.785 g/cm <sup>3</sup> @ 20°C
<b>Solubility:</b>	Fully miscible with water
<b>Partition coefficient: n-octanol/water:</b>	Not available
<b>Auto-ignition temperature:</b>	425°C
<b>Decomposition temperature:</b>	Not applicable
<b>Viscosity:</b>	2.43 mPas @ 20°C
<b>Explosive properties:</b>	Liquid is not explosive. However, formation of explosive vapour/air mixtures are possible.
<b>Oxidising properties:</b>	Not oxidising

### **9.2 Other information**

None

## **SECTION 10: Stability and Reactivity**

<b>10.1 Reactivity</b>	No dangerous reactions known.
<b>10.2 Chemical stability</b>	Stable under normal conditions.
<b>10.3 Possibility of hazardous reactions</b>	No hazardous reactions expected during normal use.
<b>10.4 Conditions to avoid</b>	Keep away from sources of ignition, hot surfaces, direct sunlight and other sources of ignition.
<b>10.5 Incompatible materials</b>	None known.
<b>10.6 Hazardous decomposition products</b>	Combustion may liberate toxic smoke, fumes, incomplete combustion products, oxides of carbon.

## **SECTION 11: Toxicological Information**

### **11.1 Information on toxicological effects**

<b>Acute toxicity</b>	Oral LD50: 5045 mg/kg (rat) Dermal LD50: 12800 mg/kg (rabbit) Inhalation LC50/4h: 30 mg/l (rat)
<b>Skin corrosion/irritation</b>	May be mildly irritating to skin.



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<b>Serious eye damage/irritation</b>	Causes serious eye irritation.
<b>Skin sensitisation</b>	Not sensitising.
<b>Respiratory irritation</b>	Vapour may slightly irritate the nose, throat and lungs.
<b>Respiratory sensitisation</b>	Not a respiratory sensitiser.
<b>Germ cell mutagenicity</b>	Not mutagenic.
<b>Carcinogenicity</b>	Not carcinogenic.
<b>Reproductive toxicity</b>	Not a reproductive toxin.
<b>Specific Target Organ Toxicity – single exposure</b>	Inhalation of high concentrations of vapour may cause respiratory tract irritation and drowsiness or dizziness.
<b>Specific Target Organ Toxicity – repeated exposure</b>	Not classified.
<b>Aspiration hazard</b>	Not classified.

### **Information on likely routes of exposure**

<b>Inhalation</b>	See above
<b>Skin contact</b>	See above
<b>Eye contact</b>	See above
<b>Ingestion</b>	See above

**Symptoms related to the physical, chemical and toxicological characteristics** See above

**Other information** None

## **SECTION 12: Ecological Information**

<b>12.1 Toxicity</b>	Low environmental toxicity.
<b>12.2 Persistence and degradability</b>	Not available.
<b>12.3 Bioaccumulative potential</b>	Not available.



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- 12.4 Mobility in soil** Not available.
- 12.5 Results of PBT and vPvB assessment** Not classified as PBT/vPvB by current EU criteria.
- 12.6 Other adverse effects** Not available.

### **SECTION 13: Disposal Considerations**

#### **13.1 Waste treatment methods**

Product and packaging to be disposed of as hazardous waste. Disposal should be in accordance with local, state or national legislation.

Contaminated adsorbent must be removed in sealed, drums and disposed of via an authorised waste disposal contractor. Do not empty into drains; dispose of this material and its container in a safe way.

Empty containers may contain residue and may be dangerous. Do not attempt to refill or clean containers without proper instructions. Do not pressurise, cut, weld, braze, solder, drill, grind or expose such containers to heat, flame, sparks, static electricity or other sources of ignition. Residual flammable vapour may cause an explosion.

### **SECTION 14: Transport Information**

#### **ROAD (ADR)**

- 14.1 UN Number** 1219
- 14.2 UN Proper shipping name** ISOPROPANOL (ISOPROPYL ALCOHOL)
- 14.3 Transport hazard class(es)** 3
- 14.4 Packing group** II
- 14.5 Environmental hazards** No

#### **INLAND WATERWAYS (ADN/ADNR)**

- 14.1 UN Number** 1219
- 14.2 UN Proper shipping name** ISOPROPANOL (ISOPROPYL ALCOHOL)
- 14.3 Transport hazard class(es)** 3
- 14.4 Packing group** II
- 14.5 Environmental hazards** No



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## **According to Regulation (EC) No. 1907/2006 (REACH)**

### **RAIL (RID)**

<b>14.1 UN Number</b>	1219
<b>14.2 UN Proper shipping name</b>	ISOPROPANOL (ISOPROPYL ALCOHOL)
<b>14.3 Transport hazard class(es)</b>	3
<b>14.4 Packing group</b>	II
<b>14.5 Environmental hazards</b>	No

### **AIR (IATA/ICAO)**

<b>14.1 UN Number</b>	1219
<b>14.2 UN Proper shipping name</b>	ISOPROPANOL (ISOPROPYL ALCOHOL)
<b>14.3 Transport hazard class(es)</b>	3
<b>14.4 Packing group</b>	II
<b>14.5 Environmental hazards</b>	No

### **SEA (IMDG)**

<b>14.1 UN Number</b>	1219
<b>14.2 UN Proper shipping name</b>	ISOPROPANOL (ISOPROPYL ALCOHOL)
<b>14.3 Transport hazard class(es)</b>	3
<b>14.4 Packing group</b>	II
<b>14.5 Environmental hazards</b>	No
<b>14.6 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code</b>	Not intended to be transported in bulk

## **SECTION 15: Regulatory Information**

<b>15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture</b>	This Safety Data Sheet was prepared in accordance with EC Regulation (EC) No. 1907/2006 as amended. The product has been classified in accordance with Regulation (EC) No. 1272/2008 (CLP).
<b>15.2 Chemical Safety Assessment</b>	Not applicable.

## **SECTION 16: Other Information**

<b>Full text of relevant H-statements:</b>	H225: Highly flammable liquid and vapour. H319: Causes serious eye irritation. H336: May cause drowsiness or dizziness.
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### **References:**

Supplier's Safety Data Sheet  
Regulation (EC) No. 1272/2008  
EH40/2005, 2<sup>nd</sup> Ed., 2011

### **Disclaimer:**

THE INFORMATION PRESENTED HEREIN IS BELIEVED TO BE ACCURATE, BUT IS NOT WARRANTED TO BE, WHETHER ORIGINATING WITH THE COMPANY OR NOT. RECIPIENTS ARE ADVISED TO CONFIRM, IN ADVANCE OF NEED, THAT THE INFORMATION IS CURRENT, APPLICABLE, AND SUITABLE TO THEIR CIRCUMSTANCES.

### **Version history:**

<b>Version:</b>	1.0
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<b>Previous Version:</b>	Not numbered
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<b>Sections changed from previous version:</b>	All sections reviewed and revised