



ISO 9001

Certificate Number 12605



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)



ISO 9001

Certificate Number 12605



Safety Data Sheet

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: CO₂, powder or water spray.

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

P501: Dispose of contents/container to hazardous waste.



ISO 9001



Safety Data Sheet

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

Supplemental Hazard information (EU): None

Contains: Not applicable.

2.3 Other hazards:

None

SECTION 3: Composition

3.1 Substances

CAS No.:	67-63-0
EC No.:	200-661-7
Index No.:	603-117-00-0
REACH Registration no.:	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.



ISO 9001



Safety Data Sheet

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

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, CO₂ 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.



ISO 9001



Safety Data Sheet

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

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 clearing 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 adsorbent 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



ISO 9001

Certificate Number 12605



Safety Data Sheet

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

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, 2nd Ed., 2011

Substance	CAS no.	LTEL (8 hr TWA)		STEL (15 min)	
		ppm	mg/m³	ppm	mg/m³
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.



ISO 9001

Certificate Number 12605



Safety Data Sheet

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

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

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



ISO 9001

Certificate Number 12605



Safety Data Sheet

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

Vapour pressure:	43 hPa @ 20°C
Vapour density:	Not available
Density:	0.785 g/cm³ @ 20°C
Solubility:	Fully miscible with water
Partition coefficient: n-octanol/water:	Not available
Auto-ignition temperature:	425°C
Decomposition temperature:	Not applicable
Viscosity:	2.43 mPas @ 20°C
Explosive properties:	Liquid is not explosive. However, formation of explosive vapour/air mixtures are possible.
Oxidising properties:	Not oxidising

9.2 Other information

None

SECTION 10: Stability and Reactivity

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

SECTION 11: Toxicological Information

11.1 Information on toxicological effects

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



ISO 9001



Safety Data Sheet

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

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

Information on likely routes of exposure

Inhalation	See above
Skin contact	See above
Eye contact	See above
Ingestion	See above

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

Other information	None
--------------------------	------

SECTION 12: Ecological Information

12.1 Toxicity	Low environmental toxicity.
12.2 Persistence and degradability	Not available.
12.3 Bioaccumulative potential	Not available.



ISO 9001

Certificate Number 12605



Safety Data Sheet

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

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



ISO 9001



Safety Data Sheet

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

RAIL (RID)

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

AIR (IATA/ICAO)

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

SEA (IMDG)

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
14.6 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code	Not intended to be transported in bulk

SECTION 15: Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture	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).
15.2 Chemical Safety Assessment	Not applicable.

SECTION 16: Other Information

Full text of relevant H-statements:	H225: Highly flammable liquid and vapour. H319: Causes serious eye irritation. H336: May cause drowsiness or dizziness.
--	---



ISO 9001



Safety Data Sheet

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

References:

Supplier's Safety Data Sheet
Regulation (EC) No. 1272/2008
EH40/2005, 2nd 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:

Version:	1.0
Issue date:	05/01/2017
Previous Version:	Not numbered
Issue date of previous version:	Not dated
Sections changed from previous version:	All sections reviewed and revised