



# Safety Data Sheet

## Iso-Butanol

Version 1.02

Revision Date 22.12.2025

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

#### Product identifier

<b>Trade name</b>	Iso-Butanol
<b>EC Name</b>	2-methylpropan-1-ol
<b>Synonyms</b>	2-Methyl-propan-1-ol, 2-Methylpropyl alcohol, 1-Hydroxymethylpropane, Isopropyl Carbinol, i-Butyl alcohol. 2-Methyl-1-propanol, iso-Butanol, Isobutyl alcohol.
<b>Product code</b>	2059
<b>CAS-No.</b>	78-83-1
<b>Manufacturing site</b>	Sasolburg

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

<b>Use</b>	Solvent. Raw material for washing and cleaning agents. Raw material for fragrances. Paint related material Industrial use.
<b>Uses advised against</b>	Prohibited for use in production of hand sanitizer.

#### Manufacturer or supplier's details

<b>Company Address</b>	Sasol Chemicals, a division of Sasol South Africa Ltd Sasol Place, 50 Katherine Street Sandton 2090 South Africa
<b>Telephone</b>	+27103445000
<b>E-mail address</b>	sasolchem.info.sa@sasol.com
<b>Emergency telephone</b>	+44 (0)1235 239 670 (Europe, Israel, Africa, Americas) +44(0)1235 239 671 (Middle East, Arabic African countries) +65 3158 1074 (Asia Pacific) +86 400 120 6011 (China) +27 (0)17 610 4444 (South Africa) 0800 112 890 RSA-Local only +61 (2) 8014 4558 (Australia)

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### SECTION 2. Hazards identification


#### Classification of the substance or mixture

##### REGULATION (EC) No 1272/2008

<b>Classification</b>	Flammable liquids	Category 3
	Skin irritation	Category 2
	Serious eye damage	Category 1
	Specific target organ toxicity - single exposure	Category 3

#### Label elements

##### REGULATION (EC) No 1272/2008

<b>Hazard pictograms</b>	:	
<b>Signal Word</b>	:	Danger
<b>Hazard Statements</b>	:	H226 Flammable liquid and vapor. H315 Causes skin irritation. H318 Causes serious eye damage. H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness.

#### Precautionary Statements

<b>Prevention</b>	P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
	P240	Ground and bond container and receiving equipment.
	P261	Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.
	P264	Wash skin thoroughly after handling.
	P271	Use only outdoors or in a well-ventilated area.
	P280	Wear protective gloves/ protective clothing/ eye protection/ face protection.
	P243	Take action to prevent static discharges.
	P233	Keep container tightly closed.

<b>Response</b>	P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
	P304 + P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.



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P332 + P317 If skin irritation occurs: Get medical help.  
P370 + P378 In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide to extinguish.  
P305 + P354 + P338 + P317 IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical help.

#### Storage

P403 + P233 + P235 Store in a well-ventilated place. Keep container tightly closed. Keep cool.

P405 Store locked up.

#### Disposal

P501 Dispose of contents/ container to an approved facility in accordance with local, regional, national and international regulations.

#### Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

### SECTION 3. Composition/information on ingredients

#### HAZARDOUS INGREDIENTS

##### 2-Methylpropanol-1; Iso-butanol

Contents: 100.00 %W/W

CAS-No. 78-83-1

Index-No. 603-108-00-1

EC-No. 201-148-0

Hazard Statements H226 H315 H318 H335 H336



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### SECTION 4. First aid measures

#### Description of necessary first-aid measures

<b>Inhalation</b>	Move to fresh air in case of accidental inhalation of vapors. If breathing is irregular or stopped, administer artificial respiration. Get medical attention immediately
<b>Skin contact</b>	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Get medical attention if irritation develops and persists.
<b>Eye contact</b>	Remove contact lenses. Rinse immediately with plenty of water, also under the eyelids, for at least 5 minutes. Get medical attention immediately
<b>Ingestion</b>	If swallowed, seek medical advice immediately and show this container or label. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.

#### Most important symptoms/effects, acute and delayed

Refer to SECTION 11

### SECTION 5. Firefighting measures

<b>Suitable extinguishing media</b>	Water spray, Foam, CO <sub>2</sub> , Dry powder.
<b>Unsuitable extinguishing media</b>	Do NOT use water jet.
<b>Special hazards arising from the substance or mixture</b>	Hazardous decomposition products
<b>Special protective equipment for firefighters</b>	Wear self-contained breathing apparatus and protective suit.

### SECTION 6. Accidental release measures

<b>Personal precautions</b>	Use personal protective equipment. Do not breathe vapors or spray mist. Ensure adequate ventilation. Keep away from sources of ignition - No smoking. Use non-sparking tools. Shut off all sources of ignition.
<b>Environmental precautions</b>	Avoid subsoil penetration. Do not flush into surface water or sanitary sewer system. Should not be released into the environment. Prevent further leakage or spillage if safe to do so. Do not allow material to contaminate ground water system.
<b>Methods for cleaning up</b>	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). The material taken up must be disposed of in accordance with regulations.
<b>Reference to other sections</b>	Refer to section 8 and 13



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### SECTION 7. Handling and storage

- Safe handling advice** Wear personal protective equipment. Avoid contact with skin and eyes. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges. Ensure all equipment is electrically grounded before beginning transfer operations.
- Advice on protection against fire and explosion** No data available
- Requirements for storage areas and containers** Keep containers tightly closed in a cool, well-ventilated place. Keep away from sources of ignition - No smoking. Provide sufficient air exchange and/or exhaust in work rooms.
- Advice on common storage** No data available

### SECTION 8. Exposure controls/personal protection

#### Ingredients with workplace control parameters

#### NATIONAL OCCUPATIONAL EXPOSURE LIMITS

Components	Type	Control parameters	Update	Basis
Isobutanol	OEL-RL	100 ppm	2021-03-29	South Africa. Hazardous
Isobutyl alcohol	OEL- RL	225 mg/m3	2008-06-27	Chemical Substances
	STEL/C	75 ppm	2008-06-27	Regulations,
	OEL- RL			South Africa. Hazardous
	STEL/C			Chemical Substances
				Regulations,
				South Africa. Hazardous
				Chemical Substances
				Regulations,

#### Exposure controls

##### Engineering measures

Provide sufficient air exchange and/or exhaust in work rooms.

##### Personal protective equipment

**Respiratory protection** Wear self-contained breathing apparatus and protective suit.

**Hand protection** Gloves suitable for permanent contact.:  
Material: butyl-rubber  
Break through time: 4 h  
Material thickness: 0.5 mm



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<b>Eye protection</b>	Safety glasses with side-shields
<b>Skin and body protection</b>	Protective suit Safety shoes
<b>Hygiene measures</b>	Wash hands before breaks and immediately after handling the product.

### SECTION 9. Physical and chemical properties

#### Information on basic physical and chemical properties

<b>Form</b>	liquid
<b>State of matter</b>	liquid; at 20 °C; 1,013 hPa
<b>Color</b>	colorless
<b>Odor</b>	sweet musty
<b>Odor Threshold</b>	No data available
<b>pH</b>	Not applicable
<b>Melting point/ range</b>	-108 °C
<b>Boiling point/boiling range</b>	108 °C; ASTM D86
<b>Flash point</b>	27 °C; ASTM D 93; closed cup;
<b>Evaporation rate</b>	No data available
<b>Flammability (solid, gas)</b>	No data available
<b>Autoignition temperature</b>	No data available
<b>Decomposition Temperature</b>	No data available
<b>Lower explosion limit</b>	No data available
<b>Upper explosion limit</b>	No data available
<b>Vapor pressure</b>	11.8 hPa; 20 °C
<b>Relative vapor density</b>	2.55(Air = 1.0)
<b>Density</b>	0.801 g/cm <sup>3</sup> ; 20 °C; ASTM D4052
<b>Solubility/qualitative</b>	partly soluble
<b>Water solubility</b>	partly soluble, partly miscible
<b>Partition coefficient: n-octanol/water</b>	No data available
<b>Viscosity, kinematic</b>	4.61 mm <sup>2</sup> /s; 20 °C; ASTM D 445

### SECTION 10. Stability and reactivity

<b>Reactivity</b>	Stable under recommended storage conditions.
<b>Chemical stability</b>	Stable under normal conditions.
<b>Possibility of hazardous reactions</b>	Heating can release hazardous gases.
<b>Conditions to avoid</b>	Heat, flames and sparks.
<b>Materials to avoid</b>	Oxidizing agents. Reducing agents. Acids and bases
<b>Hazardous decomposition products</b>	No decomposition if stored normally.

### SECTION 11. Toxicological information

<b>Acute oral toxicity</b>	2-Methylpropanol-1; Iso-butanol: LD50 Rat: female > 2,830 mg/kg; GLP: yes (literature value)
<b>Acute inhalation toxicity</b>	2-Methylpropanol-1; Iso-butanol:

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<b>Acute dermal toxicity</b>	LC0 Rat: male and female; 6 h; vapor; > 6000 ppm; OECD Test Guideline 403; GLP: yes; (literature value) 2-Methylpropanol-1; Iso-butanol: LD50 Rabbit: > 2,000 mg/kg; OECD Test Guideline 402; (literature value)
<b>Skin irritation</b>	2-Methylpropanol-1; Iso-butanol: Rabbit: irritating; (literature value)
<b>Eye irritation</b>	2-Methylpropanol-1; Iso-butanol: Rabbit: irritating (literature value)
<b>Sensitization</b>	No data available
<b>Carcinogenicity</b>	No data available
<b>Mutagenicity</b>	2-Methylpropanol-1; Iso-butanol: Experiments showed mutagenic effects in cultured bacterial cells. Ames test: Salmonella typhimurium; with and without; Not mutagenic; (literature value)

### SECTION 12. Ecological information

<b>Toxicity to fish</b>	2-Methylpropanol-1; Iso-butanol: flow-through test; Pimephales promelas; 96 h; LC50; 1,430 mg/l; (literature value)
<b>Toxicity to daphnia and other aquatic invertebrates</b>	2-Methylpropanol-1; Iso-butanol: static test; Daphnia pulex (Water flea); 48 h; EC50; 1,100 mg/l(literature value)
<b>Biodegradability</b>	2-Methylpropanol-1; Iso-butanol: aerobic; 100 mg/l; > 70 %; 14 d; Readily biodegradable.; OECD Guideline 301 A (new version); (literature value)
<b>Mobility in soil</b>	2-Methylpropanol-1; Iso-butanol: No data available
<b>Results of PBT and vPvB assessment</b>	2-Methylpropanol-1; Iso-butanol: Not persistent, bioaccumulative, and toxic (PBT). Not very persistent and very bioaccumulative (vPvB).
<b>Other adverse effects</b>	2-Methylpropanol-1; Iso-butanol: No data available

### SECTION 13. Disposal considerations

<b>Product</b>	Disposal should be in accordance with local, regional and national legislations.
<b>Packaging</b>	Dispose of spent product packaging responsibly and lawfully with due consideration for health, safety and the environment.

### SECTION 14. Transport information

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### DG Pictogram



#### ADR

**UN number:** 1212  
**Class:** 3  
**Packaging group:** III; F1;  
**Proper shipping name:** ISOBUTANOL

#### RID

**UN number:** 1212  
**Class:** 3  
**Packaging group:** III; F1  
**Proper shipping name:** ISOBUTANOL

#### IMDG

**UN number:** 1212  
**Class:** 3  
**EmS:** F-E, S-D  
**Packaging group:** III  
**Proper shipping name:** ISOBUTANOL  
**Marine pollutant** Not a Marine Pollutant

#### ICAO/IATA

**UN number :** 1212  
**Class:** 3  
**Packaging group:** III  
**Proper shipping name:** ISOBUTANOL  
**Transport in bulk according to Annex II of MARPOL** Isobutyl alcohol

**73/78 and the IBC Code** Ship Type: 3

Pollution Category: Z

### SECTION 15. Regulatory information

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

**Inv. of Exist. Chem. Substances in China**

All chemical constituents are listed in: Inv. of Exist. Chem. Substances in China (See chapter 3)



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<b>USA TSCA Inventory</b>	All chemical constituents are listed in: USA TSCA Inventory (See chapter 3)
<b>Canadian Domestic Substances List (DSL)</b>	All chemical constituents are listed in: Canadian Domestic Substances List (DSL) (See chapter 3)
<b>Australian Inv. of Chem. Substances (AICS)</b>	All chemical constituents are listed in: Australian Inv. of Chem. Substances (AICS) (See chapter 3)
<b>New Zealand Inventory of Chemicals (NZIoC)</b>	All chemical constituents are listed in: New Zealand Inventory of Chemicals (NZIoC) (See chapter 3)
<b>Jap. Inv. of Exist. &amp; New Chemicals (ENCS)</b>	All chemical constituents are listed in: Jap. Inv. of Exist. & New Chemicals (ENCS) (See chapter 3)
<b>Japan. Industrial Safety &amp; Health Law (ISHL)</b>	All chemical constituents are listed in: Japan. Industrial Safety & Health Law (ISHL) (See chapter 3)
<b>Korea. Existing Chemicals Inventory (KECI)</b>	All chemical constituents are listed in: Korea. Existing Chemicals Inventory (KECI) (See chapter 3)
<b>Philippines Inventory of Chemicals and Chemical Substances (PICCS)</b>	All chemical constituents are listed in: Philippines Inventory of Chemicals and Chemical Substances (PICCS) (See chapter 3)
<b>China Inv. Existing Chemical Substances (IECSC)</b>	All chemical constituents are listed in: China Inv. Existing Chemical Substances (IECSC) (See chapter 3)

#### SECTION 16. Other information

##### Full text of H-Statements

- H226 Flammable liquid and vapor.
- H315 Causes skin irritation.
- H318 Causes serious eye damage.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.

All reasonable efforts were exercised to compile this SDS in accordance with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS). The SDS only provides information regarding the health, safety and environmental hazards at the date of issue, to facilitate the safe receipt, use and handling of this product in the workplace and does not replace any product information or product specifications. Since Sasol and its subsidiaries cannot anticipate or control all conditions under which this product may be handled, used and received in the workplace, it remains the obligation of each user, receiver or handler to, prior to usage, review this SDS in the context within which this product will be received, handled or used in the workplace. The user, handler or receiver must ensure that the necessary mitigating measures are in place with respect to health and safety. This does not substitute the need or requirement for any relevant risk assessments to be conducted. It further remains the responsibility of the receiver, handler or user to communicate such information to all relevant parties that may be involved in the receipt, use or handling of this product.

Although all reasonable efforts were exercised in the compilation of this SDS, Sasol does not expressly warrant the accuracy of, or assume any liability for incomplete information contained herein or any advice given. When this product is sold, risk passes to the purchaser in accordance with the specific terms and conditions of sale.



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