



ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2015/830

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

### 1.1 Product identifier

Product Name Methanol  
Product code RG2018 / RH1019  
CAS No. 67-56-1  
EC No. 200-659-6  
REACH Registration No.

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

Identified Use(s) PC21 Laboratory chemicals  
Uses Advised Against Not known.

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

#### Manufacturer

Company Identification Rathburn Chemicals Ltd  
Address of Manufacturer 6 Caberston Road  
Walkerburn  
Peeblesshire  
Scotland  
Postal code EH43 6AU  
Telephone: 00 (44) (0) 1 896 870 651  
E-mail sales@rathburn.co.uk  
Office hours 09.00-17.00

#### Supplier

Company Identification Rathburn Chemicals Ltd  
Address of Supplier 6 Caberston Road  
Walkerburn  
Peeblesshire  
Scotland  
Postal code EH43 6AU  
Telephone: 00 (44) (0) 1 896 870 651  
E-mail sales@rathburn.co.uk  
Office hours 09.00-17.00

### 1.4 Emergency telephone number

Emergency Phone No. 00 (44) (0) 1 896 870 651 or 00 (44) (0) 7807 520501  
Contact Roddy Stoddart

## 2. SECTION 2: HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

Regulation (EC) No. 1272/2008 (CLP) Acute Tox. 3 : Toxic if inhaled.  
Acute Tox. 3 : Toxic if swallowed.  
Acute Tox. 3 : Toxic in contact with skin.  
Flam. Liq. 2 : Highly flammable liquid and vapour.  
STOT SE 1 : Causes damage to organs.

### 2.2 Label elements

Product Name According to Regulation (EC) No. 1272/2008 (CLP)  
Methanol



Hazard Pictogram(s)



GHS02



GHS06



GHS08

Signal Word(s)

Danger

Hazard Statement(s)

H225: Highly flammable liquid and vapour.  
 H301 + H311 + H331: Toxic if swallowed, in contact with skin or if inhaled.  
 H370: Causes damage to organs.

Precautionary Statement(s)

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P233: Keep container tightly closed.  
 P280: Wear protective gloves/protective clothing/eye protection/face protection.  
 P302 + P352 + P312: IF ON SKIN: Wash with plenty of water. Call a POISON CENTER/doctor if you feel unwell  
 P304 + P340 + P311: IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor.  
 P370 + P378: In case of fire: Use dry powder or dry sand to extinguish.  
 P403 + P235 Store in a well-ventilated place. Keep cool.

2.3 Other hazards

Not known.

2.4 Additional Information

For full text of H/P Statements see section 16.

### 3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

HAZARDOUS INGREDIENT(S)	CAS No.	EC No. REACH Registration No.	%W/W	Hazard Statement(s)	Hazard Pictogram(s)
Methanol	67-56-1	200-659-6	100	Flam. Liq. 2 H225 Acute Tox. 3 H301 Acute Tox. 3 H311 Acute Tox. 3 H331 STOT SE 1 H370	GHS02 GHS06 GHS08

3.2 Mixtures

Not applicable.

### 4. SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor.
Skin Contact	IF ON SKIN: Wash with plenty of water. Call a POISON CENTER/doctor if you feel unwell. Take off immediately all contaminated clothing. And wash it before reuse.



- Eye Contact Flush eyes with water for at least 15 minutes.  
 Ingestion IF SWALLOWED: Immediately call a POISON CENTER/doctor.  
 Rinse mouth.
- 4.2 Most important symptoms and effects, both acute and delayed  
 Treat symptomatically.
- 4.3 Indication of any immediate medical attention and special treatment needed  
 Specific treatment (see Medical Advice on this label). Call a  
 POISON CENTER/doctor if you feel unwell. Treat symptomatically.

## 5. SECTION 5: FIREFIGHTING MEASURES

- 5.1 Extinguishing media  
 Suitable Extinguishing media As appropriate for surrounding fire.  
 Unsuitable extinguishing media Water jet spray
- 5.2 Special hazards arising from the substance or mixture  
 May decompose in a fire giving off toxic fumes.
- 5.3 Advice for fire-fighters  
 Fire fighters should wear complete protective clothing including  
 self-contained breathing apparatus. If it is safe to do so, containers  
 should be removed from fire area because they are likely to rupture  
 under fire conditions.

## 6. SECTION 6: ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions, protective equipment and emergency procedures  
 Ensure adequate ventilation. Use non-sparking ventilation systems,  
 approved explosion-proof equipment, and intrinsically safe  
 electrical systems. Wear suitable protective clothing, gloves and  
 eye/face protection.
- 6.2 Environmental precautions  
 Spillages or uncontrolled discharges into watercourses must be  
 alerted to the appropriate regulatory body.
- 6.3 Methods and material for containment and cleaning up  
 Sweep up spilled substance and remove to safe place. Use  
 vacuum equipment for collecting spilt materials, where practicable.  
 Containers must not be punctured or destroyed by burning, even  
 when empty.
- 6.4 Reference to other sections  
 See Also Section 8, 13.

## 7. SECTION 7: HANDLING AND STORAGE

- 7.1 Precautions for safe handling  
 Keep away from heat, hot surfaces, sparks, open flames and other  
 ignition sources. No smoking. Keep container tightly closed. Use  
 explosion-proof electrical/ventilating/lighting/equipment. Use only  
 non-sparking tools. Take precautionary measures against static  
 discharge. Wear protective gloves/protective clothing/eye  
 protection/face protection. Avoid breathing  
 dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well-  
 ventilated area. Wash hands and exposed skin thoroughly after  
 handling. Do not eat, drink or smoke when using this product.
- 7.2 Conditions for safe storage, including any incompatibilities  
 Store in a well-ventilated place. Keep cool. Keep container tightly  
 closed. Store locked up.
- Storage temperature  
 Storage life Stable under normal conditions.



Incompatible materials None known.

7.3 Specific end use(s)

PC21 Laboratory chemicals

## 8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

#### Occupational Exposure Limits

#### Occupational Exposure Limits

SUBSTANCE.	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m <sup>3</sup> )	STEL (ppm)	STEL (mg/m <sup>3</sup> )	Note
Methanol	67-56-1	200	266	250	333	Sk
Methanol	67-56-1	200	260			IOELV, Skin

Remark Footnote

Sk Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity.

IOELV IOELV: Indicative Occupational Exposure Limit Value

Skin The possibility of significant uptake through the skin.

### 8.2 Exposure controls

Appropriate engineering controls Use non-sparking ventilation systems, approved explosion-proof equipment, and intrinsically safe electrical systems. Use with ventilation, local exhaust ventilation or breathing protection.

#### Personal protection equipment



Eye Protection

Wear eye protection with side protection (EN166).



Skin protection

Wear protective clothing and gloves: Impervious gloves (EN 374).



Respiratory protection

A suitable mask with filter type A (EN14387 or EN405) may be appropriate.

Thermal hazards None known.

Environmental Exposure Controls Avoid release to the environment.

## 9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Appearance	Liquid.
	Colour : Colourless
Odour	Pungent
Odour threshold	Not known.
pH	Not known.
Melting point/freezing point	-98C
Initial boiling point and boiling range	65C
Flash Point	11C
Evaporation rate	Not known.



Flammability (solid, gas)	Not known.
Upper/lower flammability or explosive limits	Upper explosion limit: 36 %(V), lower explosion limit: 6 %(V)
Vapour pressure	Not known.
Vapour density	1.11
Density (g/ml)	0.79g/ml
Relative density	Not known.
Solubility(ies)	Solubility (Water) : Completely soluble in water. Solubility (Other) : Not known.
Partition coefficient: n-octanol/water	Not known.
Auto-ignition temperature	455.0 °C at 1,013 hPa
Decomposition Temperature (°C)	Not known.
Viscosity	Not known.
Explosive properties	Not explosive.
Oxidising properties	The substance is not classified as oxidizing.
9.2 Other information	Not known.

## 10. SECTION 10: STABILITY AND REACTIVITY

Reactivity	None anticipated.
Chemical Stability	Stable under normal conditions.
Possibility of hazardous reactions	No hazardous reactions known if used for its intended purpose.
Conditions to avoid	Avoid friction, sparks, or other means of ignition.
Incompatible materials	Not known.
Hazardous decomposition product(s)	None known.

## 11. SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects	
Acute toxicity - Ingestion	Self classification: Toxic if swallowed.
Acute toxicity - Skin Contact	Self classification: Toxic in contact with skin.
Acute toxicity - Inhalation	Self classification: Toxic if inhaled.
Skin corrosion/irritation	Non-irritant
Serious eye damage/irritation	Non-irritant
Skin sensitization data	Not classified
Respiratory sensitization data	Not classified
Germ cell mutagenicity	There is no evidence of mutagenic potential.
Carcinogenicity	No evidence of carcinogenicity.
Reproductive toxicity	Not classified
Lactation	Not classified
STOT - single exposure	Self classification: Causes damage to organs.
STOT - repeated exposure	Not classified
Aspiration hazard	Not classified
11.2 Other information	Not known.

## 12. SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity	
Toxicity - Aquatic invertebrates	Low toxicity to invertebrates.
Toxicity - Fish	Low toxicity to fish.
Toxicity - Algae	Low toxicity to algae.
Toxicity - Sediment Compartment	Not classified.
Toxicity - Terrestrial Compartment	Not classified.



12.2. Persistence and Degradation	Not known.
12.3. Bioaccumulative potential	Not known.
12.4. Mobility in soil	Not known.
12.5. Results of PBT and vPvB assessment	Not known.
12.6 Other adverse effects	Not known.

### 13. SECTION 13: DISPOSAL CONSIDERATIONS

#### 13.1 Waste treatment methods

Dispose of contents in accordance with local, state or national legislation. Recycle only completely emptied packaging. Containers must not be punctured or destroyed by burning, even when empty. Do not allow to enter drains, sewers or watercourses. Do NOT landfill. Normal disposal is via incineration operated by an accredited disposal contractor. Dispose of this material and its container to hazardous or special waste collection point.

#### 13.2 Additional Information

Disposal should be in accordance with local, state or national legislation.

### 14. SECTION 14: TRANSPORT INFORMATION

14.1 UN number	
UN No.	1230
14.2 UN proper shipping name	
UN proper shipping name	METHANOL
14.3 Transport hazard class(es)	
ADR/RID Class	3
IMDG Class	3
IMDG EMS	Not available
ICAO/IATA	
Excepted Quantities	E2
Passenger and Cargo Aircraft	Y341
Limited Quantities Packing	
Instructions	
Passenger and Cargo Aircraft	1L
Limited Quantities Max net Qty	
Passenger and Cargo Aircraft	352
Packing Instructions	
Passenger and Cargo Aircraft	1L
Max net Qty	
Cargo Aircraft Packing	364
Instructions	
Cargo Aircraft Max net Qty	60L
Special Provisions	A104
Emergency Response	3P
Guidebook (ERG) Code	
ADR Classification Code	FT1
ADR HIN	336
ADR Transport Category	2
Tunnel Restriction Code	D/E
Emergency Action Code	•2WE
Advice on Additional Personal	A(fl)
Protection (APP)	
14.4 Packing group	



Packing group	II
Labels	3 +6.1
Special Provisions	279
Limited Quantities	1 L
Excepted Quantities	E2
Mixed Packing Instructions for Packages	P001 IBC02
Special Packing Provisions for Packages	Not applicable
Mixed Packing Instructions for Packages	MP19
14.5 Environmental hazards	
Environmental hazards	Not known.
14.6 Special precautions for user	
Special precautions for user	Not known.
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	
Packing Instructions for Portable Tanks	T7
Special Provisions for Portable Tanks	TP2
Tank Code for Tanks	L4BH
Special Provisions for Tanks	TU15
Vehicle for Tank Carriage	FL
Special Provisions for Carriage - Packages	Not applicable
Special Provisions for Carriage - Bulk	Not applicable
Special Provisions for Carriage - Loading, Unloading and Handling	CV13 CV28
Special Provisions for Carriage - Operation	S2 S19

## 15. SECTION 15: REGULATORY INFORMATION

15.1 European Regulations	
Authorisations and/or Restrictions On Use	
Candidate List of Substances of Very High Concern for Authorisation	All chemicals are not listed
REACH: ANNEX XIV list of substances subject to authorisation	All chemicals are not listed
REACH: Annex XVII Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	All chemicals are not listed
Community Rolling Action Plan (CoRAP)	methanol (67-56-1)
Regulation (EC) N° 850/2004 of	Not listed



the European Parliament and of the Council on persistent organic pollutants

Regulation (EC) N° 2037/2000 Not listed on substances that deplete the ozone layer

Regulation (EU) N° 649/2012 of the European Parliament and of the Council concerning the export and import of hazardous chemicals

15.2 National regulations

Other Not known.

## 16. SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements:

### LEGEND

Hazard Pictogram(s)



GHS02



GHS06



GHS08

Hazard Statement(s)

H225: Highly flammable liquid and vapour.  
 H301: Toxic if swallowed.  
 H311: Toxic in contact with skin.  
 H331: Toxic if inhaled.  
 H370: Causes damage to organs.

Precautionary Statement(s)

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P233: Keep container tightly closed.  
 P240: Ground/bond container and receiving equipment.  
 P241: Use explosion-proof electrical/ventilating/lighting/equipment.  
 P242: Use only non-sparking tools.  
 P243: Take precautionary measures against static discharge.  
 P260: Do not breathe dust/fume/gas/mist/vapours/spray.  
 P261: Avoid breathing dust/fume/gas/mist/vapours/spray.  
 P264: Wash hands and exposed skin thoroughly after handling.  
 P270: Do not eat, drink or smoke when using this product.  
 P271: Use only outdoors or in a well-ventilated area.  
 P280: Wear protective gloves/protective clothing/eye protection/face protection.  
 P301+P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor.  
 P302+P352: IF ON SKIN: Wash with plenty of water.  
 P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
 P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.





P308+P311: IF exposed or concerned: Call a POISON CENTER/doctor.  
P311: Call a POISON CENTER/doctor.  
P312: Call a POISON CENTER/doctor if you feel unwell.  
P321: Specific treatment (see Medical Advice on this label).  
P330: Rinse mouth.  
P361+P364: Take off immediately all contaminated clothing. And wash it before reuse.  
P370+P378: In case of fire: Use water to extinguish.  
P403+P233: Store in a well-ventilated place. Keep container tightly closed.  
P403+P235: Store in a well-ventilated place. Keep cool.  
P405: Store locked up.  
P501: Dispose of contents in accordance with local, state or national legislation.

#### Disclaimers

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