

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

| | |
|-----------------------|-------------------------------|
| Product form | : Substance |
| Trade name | : UN1230 Methanol GC/HPLC GGR |
| Chemical name | : methanol |
| IUPAC name | : methanol |
| EC Index-No. | : 603-001-00-X |
| EC-No. | : 200-659-6 |
| CAS-No. | : 67-56-1 |
| REACH registration No | : 01-2119433307-44 |
| Product code | : MTOL-0GH |
| Formula | : CH ₃ OH |

1.2. Relevant identified uses of the substance or mixture and uses advised against**1.2.1. Relevant identified uses**

Main use category : Laboratory use

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

labbox labware s.l.
Migjorn, 1
P.O. Box Barcelona (SPAIN)
08338 Premia de Dalt – SPAIN
ES
T +34 937 07 79 70 - F +34 937 909 532
info@labbox.com - www.labbox.com

1.4. Emergency telephone number

Emergency number : +34 937 077 970 (For technical information_Office Hours) In case of medical emergency phone 112 or to your local emergency number.

| Country | Organisation/Company | Address | Emergency number | Comment |
|----------------|---|----------------------------|------------------|---------|
| United Kingdom | National Poisons Information Service (Belfast Centre) Royal Victoria Hospital | Grosvenor Road BT12 6BA | 0344 892 0111 | |

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No. 1272/2008 [CLP]**

| | |
|--|------|
| Flammable liquids, Category 2 | H225 |
| Acute toxicity (inhal.), Category 3 | H331 |
| Acute toxicity (dermal), Category 3 | H311 |
| Acute toxicity (oral), Category 3 | H301 |
| Specific target organ toxicity — single exposure, Category 1 | H370 |

Full text of H and EUH statements: see section 16

Specific concentration limits:

(3 ≤C < 10)

(10 ≤C < 100)

STOT SE 2, H371

STOT SE 1, H370

Adverse physicochemical, human health and environmental effects

No additional information available

UN1230 Methanol GC/HPLC GGR

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS02

GHS06

GHS08

Signal word (CLP) :

Danger

Hazard statements (CLP) :

H225 - Highly flammable liquid and vapour.

H331 - Toxic if inhaled.

H311 - Toxic in contact with skin.

H301 - Toxic if swallowed.

H370 - Causes damage to organs.

Precautionary statements (CLP) :

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.

No smoking.

P233 - Keep container tightly closed.

P240 - Ground and bond container and receiving equipment.

P241 - Use explosion-proof electrical/ventilating/lighting equipment.

P260 - Do not breathe dust/fume/gas/mist/vapours/spray.

P264 - Wash hands, forearms and face thoroughly after handling.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Substance type

: Mono-constituent

| Name | Product identifier | % |
|----------|---|-------|
| Methanol | CAS-No.: 67-56-1 EC-No.: 200-659-6 EC Index-No.: 603-001-00-X REACH-no: 01-2119433307-44 | ≥ 100 |

3.2. Mixtures

Not applicable

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation

: Remove person to fresh air and keep comfortable for breathing. Get medical advice/attention.

First-aid measures after skin contact

: Wash skin with plenty of water. Wash contaminated clothing before reuse. Get medical advice/attention.

First-aid measures after eye contact

: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.

First-aid measures after ingestion

: Rinse mouth. Do not induce vomiting. Call a physician immediately.

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

No additional information available

UN1230 Methanol GC/HPLC GGR

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

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

Never give anything by mouth to an unconscious person.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. Carbon dioxide. Foam. Dry powder.
Unsuitable extinguishing media : Strong water jet.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Advice for firefighters

Precautionary measures fire : Evacuate area.
Protection during firefighting : Self-contained breathing apparatus. Do not attempt to take action without suitable protective equipment.
Other information : In case of fire, corrosive and harmful gases come free.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Evacuate area.

6.1.1. For non-emergency personnel

Protective equipment : EN 374.
Emergency procedures : Avoid contact with skin, eyes and clothing. Ventilate spillage area.

6.1.2. For emergency responders

Emergency procedures : Stop leak if safe to do so. Ventilate area.

6.2. Environmental precautions

Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment : Collect spillage.
Methods for cleaning up : Take up liquid spill into absorbent material. Mechanically recover the product. This material and its container must be disposed of in a safe way, and as per local legislation. Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal.

6.4. Reference to other sections

See Heading 8. For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : In use, may form flammable vapour-air mixture.
Precautions for safe handling : Ensure good ventilation of the work station. Eliminate all ignition sources if safe to do so. Avoid contact with skin, eyes and clothing. Use personal protective equipment as required.
Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

UN1230 Methanol GC/HPLC GGR

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

7.2. Conditions for safe storage, including any incompatibilities

| | |
|----------------------------|--|
| Storage conditions | : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| Incompatible materials | : Heat sources. Sources of ignition. Direct sunlight. |
| Special rules on packaging | : Store in a closed container. Keep only in original container. |

7.3. Specific end use(s)

Laboratory chemicals.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

| UN1230 Methanol GC/HPLC GGR (67-56-1) | |
|---|---|
| EU - Indicative Occupational Exposure Limit (IOEL) | |
| Local name | Methanol |
| IOEL TWA | 260 mg/m ³ |
| IOEL TWA [ppm] | 200 ppm |
| Remark | skin |
| Regulatory reference | COMMISSION DIRECTIVE 2006/15/EC |
| France - Occupational Exposure Limits | |
| Local name | Alcool méthylique (méthanol) |
| VME (OEL TWA) | 260 mg/m ³ |
| VME (OEL TWA) [ppm] | 200 ppm |
| VLE (OEL Ceiling/STEL) | 1300 mg/m ³ |
| VLE (OEL Ceiling/STEL) [ppm] | 1000 ppm |
| Remark | VME réglementaires contraignantes; la VLE n'est pas réglementaire et provient d'une circulaire du ministère chargé du travail; risque de pénétration percutanée |
| Regulatory reference | Article R4412-149 du Code du travail (réf.: INRS ED 984, 2016) |
| Germany - Occupational Exposure Limits (TRGS 900) | |
| Local name | Methanol |
| AGW (OEL TWA) [1] | 270 mg/m ³ |
| AGW (OEL TWA) [2] | 200 ppm |
| Limitation of exposure peaks | 4(II) |
| Remark | DFG,EU,H,Y |
| Regulatory reference | TRGS900 |
| Greece - Occupational Exposure Limits | |
| Local name | Μεθανόλη |
| OEL TWA | 260 mg/m ³ |
| OEL TWA [ppm] | 200 ppm |
| OEL STEL | 325 mg/m ³ |
| OEL STEL [ppm] | 250 ppm |
| Regulatory reference | Π.Δ. 90/1999 |

UN1230 Methanol GC/HPLC GGR

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| UN1230 Methanol GC/HPLC GGR (67-56-1) | |
|--|--|
| Italy - Occupational Exposure Limits | |
| Local name | Metanolo |
| OEL TWA | 260 mg/m ³ |
| OEL TWA [ppm] | 200 ppm |
| Remark | pelle |
| Regulatory reference | Allegato XXXVIII del D.Lgs. 9 aprile 2008, n. 81 e s.m.i. |
| Portugal - Occupational Exposure Limits | |
| Local name | Metanol (Álcool metílico) |
| OEL TWA [ppm] | 200 ppm |
| OEL STEL [ppm] | 250 ppm |
| Regulatory reference | Norma Portuguesa NP 1796:2014 |
| Romania - Occupational Exposure Limits | |
| Local name | Metanol /Alcool metilic |
| OEL TWA | 260 mg/m ³ |
| OEL TWA [ppm] | 200 ppm |
| Regulatory reference | Hotărârea nr. 584/2018 |
| Spain - Occupational Exposure Limits | |
| Local name | Metanol (Alcohol metílico) |
| VLA-ED (OEL TWA) [1] | 266 mg/m ³ |
| VLA-ED (OEL TWA) [2] | 200 ppm |
| Remark | Vía dérmica (Indica que, en las exposiciones a esta sustancia, la aportación por la vía cutánea puede resultar significativa para el contenido corporal total si no se adoptan medidas para prevenir la absorción. En estas situaciones, es aconsejable la utilización del control biológico para poder cuantificar la cantidad global absorbida del contaminante. Para más información véase el Apartado 5 de este documento), VLB® (Agente químico que tiene Valor Límite Biológico específico en este documento), VLI (Agente químico para el que la U.E. estableció en su día un valor límite indicativo. Todos estos agentes químicos figuran al menos en una de las directivas de valores límite indicativos publicadas hasta ahora (ver Anexo C. Bibliografía). Los estados miembros disponen de un tiempo fijado en dichas directivas para su transposición a los valores límites de cada país miembro. Una vez adoptados, estos valores tienen la misma validez que el resto de los valores adoptados por el país). |
| Regulatory reference | Límites de Exposición Profesional para Agentes Químicos en España 2019. INSHT |
| Spain - Biological limit values | |
| BLV | 15 mg/l Parámetro: Metanol - Medio: Orina - Momento de muestreo: Final de la jornada laboral - Notas: F (Fondo. El indicador está generalmente presente en cantidades detectables en personas no expuestas laboralmente. Estos niveles de fondo están considerados en el valor VLB), I (Significa que el indicador biológico es inespecífico puesto que puede encontrarse después de la exposición a otros agentes químicos) |
| United Kingdom - Occupational Exposure Limits | |
| Local name | Methanol |
| WEL TWA [1] | 266 mg/m ³ |
| WEL TWA [2] | 200 ppm |
| WEL STEL | 333 mg/m ³ |

UN1230 Methanol GC/HPLC GGR

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| UN1230 Methanol GC/HPLC GGR (67-56-1) | |
|---------------------------------------|---|
| WEL STEL (ppm) | 250 ppm |
| Remark | 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) |
| Regulatory reference | EH40/2005 (Third edition, 2018). HSE |

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

| UN1230 Methanol GC/HPLC GGR (67-56-1) | |
|--|-------------------------|
| DNEL/DMEL (Workers) | |
| Acute - systemic effects, dermal | 40 mg/kg bodyweight/day |
| Acute - systemic effects, inhalation | 260 mg/m ³ |
| Acute - local effects, inhalation | 260 mg/m ³ |
| Long-term - systemic effects, dermal | 40 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 260 mg/m ³ |
| Long-term - local effects, inhalation | 260 mg/m ³ |
| DNEL/DMEL (General population) | |
| Acute - systemic effects, dermal | 8 mg/kg bodyweight/day |
| Acute - systemic effects, inhalation | 50 mg/m ³ |
| Acute - local effects, inhalation | 50 mg/m ³ |
| Long-term - systemic effects, inhalation | 50 mg/m ³ |
| Long-term - systemic effects, dermal | 8 mg/kg bodyweight/day |
| Long-term - local effects, inhalation | 50 mg/m ³ |
| PNEC (Water) | |
| PNEC aqua (freshwater) | 20,8 mg/l |
| PNEC aqua (marine water) | 2,08 mg/l |
| PNEC aqua (intermittent, freshwater) | 1540 mg/l |
| PNEC (Sediment) | |
| PNEC sediment (freshwater) | 77 mg/kg dwt |
| PNEC sediment (marine water) | 7,7 mg/kg dwt |
| PNEC (Soil) | |
| PNEC soil | 3,18 mg/kg dwt |
| PNEC (STP) | |
| PNEC sewage treatment plant | 100 mg/l |

8.1.5. Control banding

No additional information available

UN1230 Methanol GC/HPLC GGR

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

8.2.2. Personal protection equipment

Personal protective equipment:

EN 374.

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection:

Safety glasses. Face shield

8.2.2.2. Skin protection

Skin and body protection:

Wear suitable protective clothing

Hand protection:

Nitrile rubber (NBR) /

8.2.2.3. Respiratory protection

Respiratory protection:

In case of inadequate ventilation wear respiratory protection.

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Other information:

The present safety data sheet is consistent with the specific conditions relied on to justify the registration of the substance as isolated intermediate.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|---------------------------|--|
| Physical state | : Liquid |
| Colour | : Colourless. |
| Molecular mass | : 32,04 g/mol |
| Odour | : alcohol. |
| Odour threshold | : 100 ppm |
| Melting point | : -97,8 °C |
| Freezing point | : Not available |
| Boiling point | : 64,7 °C Atm. press.: 1013 hPa |
| Flammability | : Not available |
| Explosive limits | : Not available |
| Lower explosion limit | : 5,5 vol % |
| Upper explosion limit | : 44 vol % |
| Flash point | : 9,7 °C Atm. press.: 1013 hPa |
| Auto-ignition temperature | : 464 °C |
| Decomposition temperature | : Not available |
| pH | : Not available |
| Viscosity, kinematic | : Not available |
| Viscosity, dynamic | : 0,544 – 0,59 mPa·s Temp.: 'other:25.0°C' Parameter: 'dynamic viscosity (in mPa s)' |
| Solubility | : Miscible. Water: 100 g/100ml 20° |

UN1230 Methanol GC/HPLC GGR

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| | |
|---|--|
| Partition coefficient n-octanol/water (Log Kow) | : -0,77 |
| Vapour pressure | : 169,27 hPa Temp.: 25 °C |
| Vapour pressure at 50 °C | : Not available |
| Density | : Not available |
| Relative density | : 0,79 – 0,8 Type: 'relative density' Temp.: 20 °C |
| Relative vapour density at 20 °C | : Not available |
| Particle characteristics | : Not applicable |

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Flammable liquid.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

Heat. Sparks. Direct sunlight. Overheating.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

On burning: release of harmful/irritant gases/vapours e.g.: carbon monoxide - carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

| | |
|-----------------------------|-------------------------------|
| Acute toxicity (oral) | : Toxic if swallowed. |
| Acute toxicity (dermal) | : Toxic in contact with skin. |
| Acute toxicity (inhalation) | : Toxic if inhaled. |

UN1230 Methanol GC/HPLC GGR (67-56-1)

| | |
|----------------------------|--|
| LD50 oral rat | 1187 – 2769 mg/kg bodyweight Animal: rat |
| LD50 dermal rabbit | 15800 mg/kg |
| LC50 inhalation rat (mg/l) | 83,9 mg/l/4h |

| | |
|-----------------------------------|------------------|
| Skin corrosion/irritation | : Not classified |
| Serious eye damage/irritation | : Not classified |
| Respiratory or skin sensitisation | : Not classified |
| Germ cell mutagenicity | : Not classified |
| Carcinogenicity | : Not classified |
| Reproductive toxicity | : Not classified |

UN1230 Methanol GC/HPLC GGR

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

UN1230 Methanol GC/HPLC GGR (67-56-1)

| | |
|---------------------------|---|
| NOAEL (animal/male, F0/P) | < 1000 mg/kg bodyweight Animal: mouse, Animal sex: male |
|---------------------------|---|

STOT-single exposure : Causes damage to organs.

STOT-repeated exposure : Not classified

UN1230 Methanol GC/HPLC GGR (67-56-1)

| | |
|----------------------------|--|
| LOAEL (oral, rat, 90 days) | 2340 mg/kg bodyweight Animal: monkey, Animal sex: male |
|----------------------------|--|

| | |
|---|------------------------------|
| LOAEC (inhalation, rat,dust/mist/fume, 90 days) | 0,13 mg/l air Animal: monkey |
|---|------------------------------|

| | |
|--|-------------------------------|
| NOAEC (inhalation, rat, dust/mist/fume, 90 days) | 0,013 mg/l air Animal: monkey |
|--|-------------------------------|

Aspiration hazard : Not classified

11.2. Information on other hazards

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Not classified

UN1230 Methanol GC/HPLC GGR (67-56-1)

| | |
|-----------------|--|
| LC50 - Fish [1] | 15400 mg/l Test organisms (species): Lepomis macrochirus |
|-----------------|--|

| | |
|--------------------|-------------|
| EC50 - Daphnia [1] | ≥ 1340 mg/l |
|--------------------|-------------|

| | |
|----------------------|--------------------------------------|
| EC50 72h - Algae [1] | 22000 mg/l Selenastrum capricorbutum |
|----------------------|--------------------------------------|

| | |
|----------------------|--|
| EC50 96h - Algae [1] | ≈ 22000 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) |
|----------------------|--|

| | |
|----------------|---|
| NOEC (chronic) | 208 mg/l Test organisms (species): Daphnia magna Duration: '21 d' |
|----------------|---|

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

UN1230 Methanol GC/HPLC GGR (67-56-1)

| | |
|---|-------|
| Partition coefficient n-octanol/water (Log Kow) | -0,77 |
|---|-------|

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

No additional information available

UN1230 Methanol GC/HPLC GGR

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Must follow special treatment according to local regulation.

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

14.1. UN number or ID number

UN-No. (ADR) : UN 1230
UN-No. (IMDG) : UN 1230
UN-No. (IATA) : UN 1230
UN-No. (ADN) : UN 1230
UN-No. (RID) : UN 1230

14.2. UN proper shipping name

Proper Shipping Name (ADR) : METHANOL
Proper Shipping Name (IMDG) : METHANOL
Proper Shipping Name (IATA) : Methanol
Proper Shipping Name (ADN) : METHANOL
Proper Shipping Name (RID) : METHANOL
Transport document description (ADR) : UN 1230 METHANOL, 3 (6.1), II, (D/E)
Transport document description (IMDG) : UN 1230 METHANOL, 3 (6.1), II (12°C c.c.)
Transport document description (IATA) : UN 1230 Methanol, 3 (6.1), II
Transport document description (ADN) : UN 1230 METHANOL, 3 (6.1), II
Transport document description (RID) : UN 1230 METHANOL, 3 (6.1), II

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : 3 (6.1)
Danger labels (ADR) : 3, 6.1



IMDG

Transport hazard class(es) (IMDG) : 3 (6.1)
Danger labels (IMDG) : 3, 6.1



IATA

Transport hazard class(es) (IATA) : 3 (6.1)
Danger labels (IATA) : 3, 6.1



ADN

Transport hazard class(es) (ADN) : 3 (6.1)
Danger labels (ADN) : 3, 6.1

UN1230 Methanol GC/HPLC GGR

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878



RID

Transport hazard class(es) (RID) : 3 (6.1)

Danger labels (RID) : 3, 6.1



14.4. Packing group

Packing group (ADR) : II

Packing group (IMDG) : II

Packing group (IATA) : II

Packing group (ADN) : II

Packing group (RID) : II

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

Overland transport

Classification code (ADR) : FT1

Special provisions (ADR) : 279

Limited quantities (ADR) : 1I

Excepted quantities (ADR) : E2

Packing instructions (ADR) : P001, IBC02

Mixed packing provisions (ADR) : MP19

Portable tank and bulk container instructions (ADR) : T7

Portable tank and bulk container special provisions (ADR) : TP2

Tank code (ADR) : L4BH

Tank special provisions (ADR) : TU15

Vehicle for tank carriage : FL

Transport category (ADR) : 2

Special provisions for carriage - Loading, unloading and handling (ADR) : CV13, CV28

Special provisions for carriage - Operation (ADR) : S2, S19

Hazard identification number (Kemler No.) : 336

Orange plates :

Tunnel restriction code (ADR) : D/E

EAC code : •2WE

APP code : A(fl)

Transport by sea

Special provisions (IMDG) : 279

Limited quantities (IMDG) : 1 L

Excepted quantities (IMDG) : E2

Packing instructions (IMDG) : P001

IBC packing instructions (IMDG) : IBC02

Tank instructions (IMDG) : T7

UN1230 Methanol GC/HPLC GGR

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| | |
|------------------------------------|--|
| Tank special provisions (IMDG) | : TP2 |
| EmS-No. (Fire) | : F-E |
| EmS-No. (Spillage) | : S-D |
| Stowage category (IMDG) | : B |
| Stowage and handling (IMDG) | : SW2 |
| Flash point (IMDG) | : 12°C c.c. |
| Properties and observations (IMDG) | : Colourless, volatile liquid. Flashpoint: 12°C c.c. Explosive limits: 6% to 36.5% Miscible with water. Toxic if swallowed; may cause blindness. Avoid skin contact. |

Air transport

| | |
|--|--------------|
| PCA Excepted quantities (IATA) | : E2 |
| PCA Limited quantities (IATA) | : Y341 |
| PCA limited quantity max net quantity (IATA) | : 1L |
| PCA packing instructions (IATA) | : 352 |
| PCA max net quantity (IATA) | : 1L |
| CAO packing instructions (IATA) | : 364 |
| CAO max net quantity (IATA) | : 60L |
| Special provisions (IATA) | : A104, A113 |
| ERG code (IATA) | : 3L |

Inland waterway transport

| | |
|-----------------------------------|----------------------|
| Classification code (ADN) | : FT1 |
| Special provisions (ADN) | : 279, 802 |
| Limited quantities (ADN) | : 1 L |
| Excepted quantities (ADN) | : E2 |
| Carriage permitted (ADN) | : T |
| Equipment required (ADN) | : PP, EP, EX, TOX, A |
| Ventilation (ADN) | : VE01, VE02 |
| Number of blue cones/lights (ADN) | : 2 |

Rail transport

| | |
|---|---------------|
| Classification code (RID) | : FT1 |
| Special provisions (RID) | : 279 |
| Limited quantities (RID) | : 1L |
| Excepted quantities (RID) | : E2 |
| Packing instructions (RID) | : P001, IBC02 |
| Mixed packing provisions (RID) | : MP19 |
| Portable tank and bulk container instructions (RID) | : T7 |
| Portable tank and bulk container special provisions (RID) | : TP2 |
| Tank codes for RID tanks (RID) | : L4BH |
| Special provisions for RID tanks (RID) | : TU15 |
| Transport category (RID) | : 2 |
| Special provisions for carriage - Loading, unloading and handling (RID) | : CW13, CW28 |
| Colis express (express parcels) (RID) | : CE7 |
| Hazard identification number (RID) | : 336 |

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

UN1230 Methanol GC/HPLC GGR

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

REACH Annex XVII (Restriction List)

| EU restriction list (REACH Annex XVII) | |
|--|-----------------------------|
| Reference code | Applicable on |
| 3. | UN1230 Methanol GC/HPLC GGR |
| 3(a) | UN1230 Methanol GC/HPLC GGR |
| 3(b) | UN1230 Methanol GC/HPLC GGR |
| 40. | UN1230 Methanol GC/HPLC GGR |

REACH Annex XIV (Authorisation List)

UN1230 Methanol GC/HPLC GGR is not on the REACH Annex XIV List

REACH Candidate List (SVHC)

UN1230 Methanol GC/HPLC GGR is not on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

UN1230 Methanol GC/HPLC GGR is not subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

POP Regulation (Persistent Organic Pollutants)

UN1230 Methanol GC/HPLC GGR is not subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

Ozone Regulation (1005/2009)

Methanol is not subject to REGULATION (EU) No 1005/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 September 2009 on substances that deplete the ozone layer.

Explosives Precursors Regulation (2019/1148)

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

Drug Precursors Regulation (273/2004)

Contains no substance subject to Regulation (EC) 273/2004 of the European Parliament and of the Council of 11 February 2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances.

15.1.2. National regulations

France

| Occupational diseases | |
|-----------------------|---|
| Code | Description |
| RG 84 | Conditions caused by liquid organic solvents for professional use: saturated or unsaturated aliphatic or cyclic liquid hydrocarbons and mixtures thereof; liquid halogenated hydrocarbons; nitrated derivatives of aliphatic hydrocarbons; alcohols; glycols, glycol ethers; ketones; aldehydes; aliphatic and cyclic ethers, including tetrahydrofuran; esters; dimethylformamide and dimethylacetamine; acetonitrile and propionitrile; pyridine; dimethylsulfone and dimethylsulfoxide |

Germany

- Water hazard class (WGK) : WGK 2, Significantly hazardous to water (Classification according to AwSV; ID No. 145).
- Chemicals Prohibition Ordinance (ChemVerbotsV) : This product is subject to ChemVerbotsV Annex 2 Entry 1. The following requirements must be observed: authorization requirement (according to § 6 paragraph 1 sentence 1), basic requirements for carrying out the delivery (according to § 8 paragraph 1, 3 and 4), identification and documentation (according to § 9 paragraph 1 to 3) and exclusion of the shipping route (according to § 10).
- Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

UN1230 Methanol GC/HPLC GGR

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Netherlands

| | |
|---|-------------------------------|
| SZW-lijst van kankerverwekkende stoffen | : The substance is not listed |
| SZW-lijst van mutagene stoffen | : The substance is not listed |
| NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding | : The substance is not listed |
| NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid | : The substance is not listed |
| NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling | : Methanol is listed |

Denmark

| | |
|-----------------------------|---|
| Class for fire hazard | : Class I-1 |
| Store unit | : 1 liter |
| Classification remarks | : F <Flam. Liq. 2>; Emergency management guidelines for the storage of flammable liquids must be followed |
| Danish National Regulations | : Young people below the age of 18 years are not allowed to use the product Pregnant/breastfeeding women working with the product must not be in direct contact with the product |

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

| Full text of H- and EUH-statements: | |
|-------------------------------------|--|
| Acute Tox. 3 (Dermal) | Acute toxicity (dermal), Category 3 |
| Acute Tox. 3 (Inhalation) | Acute toxicity (inhal.), Category 3 |
| Acute Tox. 3 (Oral) | Acute toxicity (oral), Category 3 |
| Flam. Liq. 2 | Flammable liquids, Category 2 |
| 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. |
| H371 | May cause damage to organs. |
| STOT SE 1 | Specific target organ toxicity — single exposure, Category 1 |
| STOT SE 2 | Specific target organ toxicity — Single exposure, Category 2 |

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.