

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

1.1. Product identifier

Product form : Mixture
Product name : Sodium methanolate (30%)
UFI : M200-P054-R00S-T34X

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

1.2.1. Relevant identified uses

Main use category : Industrial use
Use of the substance/mixture : Process chemical
Chemical Intermediate
Catalyst

Title	Use descriptors
Use as an intermediate - Industrial (ES Ref.: 1)	PROC1, PROC2, PROC8b, ERC4, ERC6a

Full text of use descriptors: see section 16

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Supplier

MSSA S.A.S.
111, Rue de la Volta - Pomblière
73600 SAINT-MARCEL
France
T +33 (0)4 79 24 70 70 - F +33 (0)4 79 24 70 50
fds-msds@metauxspeciaux.fr

1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number	Comment
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9	+353 1 809 2566 (Healthcare professionals- 24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)	
Malta	Medicines & Poisons Info Office	Mater Dei Hospital MSD 2090	+356 2545 6508	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Flam. Liq. 3 H226
Met. Corr. 1 H290
Acute Tox. 3 (Oral) H301
Acute Tox. 3 (Dermal) H311
Acute Tox. 3 (Inhalation:dust,mist) H331
Skin Corr. 1B H314
Eye Dam. 1 H318
STOT SE 1 H370

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Full text of hazard classes, H- and EUH-statements: see section 16

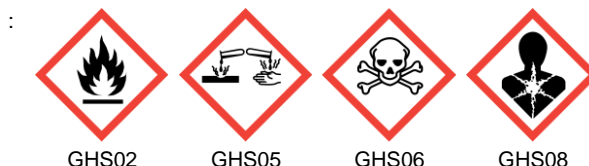
Adverse physicochemical, human health and environmental effects

Flammable liquid and vapour. Toxic if swallowed. Toxic in contact with skin. Toxic if inhaled. Causes severe burns. Causes damage to organs (optic nerve, central nervous system). May be corrosive to metals.

2.2. Label elements

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

Hazard pictograms (CLP)



Signal word (CLP)

: Danger

Contains

: Methanol; Sodium methanolate

Hazard statements (CLP)

: H226 - Flammable liquid and vapour.

H290 - May be corrosive to metals.

H301+H311+H331 - Toxic if swallowed, in contact with skin or if inhaled.

H314 - Causes severe skin burns and eye damage.

H370 - Causes damage to organs (optic nerve, central nervous system).

Precautionary statements (CLP)

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

No smoking.

P280 - Wear protective gloves, protective clothing, eye protection, face protection.

P301+P330+P331+P310 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

Immediately call a doctor.

P303+P361+P353+P310 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a doctor.

P304+P340+P311 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call doctor.

P305+P351+P338+P310 - IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a doctor.

2.3. Other hazards

To our knowledge, contains no PBT/vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

Component	
Methanol (67-56-1)	This substance does not meet the PBT criteria of REACH regulation, annex XIII This substance does not meet the vPvB criteria of REACH regulation, annex XIII
Sodium methanolate (124-41-4)	This substance does not meet the PBT criteria of REACH regulation, annex XIII This substance does not meet the vPvB criteria of REACH regulation, annex XIII

To our knowledge, the mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

Component	
Methanol(67-56-1)	The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605
Sodium methanolate(124-41-4)	The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

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SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Methanol substance with national workplace exposure limit(s) (IE, MT); substance with a Community workplace exposure limit	CAS-No.: 67-56-1 EC-No.: 200-659-6 EC Index-No.: 603-001-00-X REACH-no: 01-2119433307-44	70 – 85	Flam. Liq. 2, H225 Acute Tox. 3 (Oral), H301 (ATE=100 mg/kg) Acute Tox. 3 (Dermal), H311 (ATE=300 mg/kg) Acute Tox. 3 (Inhalation), H331 (ATE=3 mg/l/4h) STOT SE 1, H370
Sodium methanolate	CAS-No.: 124-41-4 EC-No.: 204-699-5 EC Index-No.: 603-040-00-2 REACH-no: 01-2119519241-51	25 – 50	Flam. Sol. 1, H228 Self-heat. 1, H251 Met. Corr. 1, H290 Acute Tox. 4 (Oral), H302 (ATE=1687 mg/kg) Skin Corr. 1B, H314 EUH014

Specific concentration limits:

Name	Product identifier	Specific concentration limits
Methanol	CAS-No.: 67-56-1 EC-No.: 200-659-6 EC Index-No.: 603-001-00-X REACH-no: 01-2119433307-44	(3 ≤C < 10) STOT SE 2, H371 (10 ≤C < 100) STOT SE 1, H370

Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation	: Move the affected person away from the contaminated area and into the fresh air. Allow the victim to rest. Provide oxygen and/or ventilation assistance, if needed. Do not apply mouth-to-mouth resuscitation. Call a doctor immediately, even if there are no immediate symptoms.
First-aid measures after skin contact	: Immediately remove contaminated clothing or footwear. Rinse immediately with plenty of water. Get immediate medical advice/attention.
First-aid measures after eye contact	: Rinse immediately and thoroughly, pulling the eyelids well away from the eye (15 minutes minimum). Consult an eye specialist immediately, even if there are no immediate symptoms.
First-aid measures after ingestion	: Rinse mouth out with water. Drink plenty of water. Never attempt to induce vomiting. Call a physician immediately.

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

Symptoms/effects after inhalation	: Breathing difficulties.
Symptoms/effects after skin contact	: Burns.
Symptoms/effects after eye contact	: Burns. Can cause blindness.
Symptoms/effects after ingestion	: Corrosion or irritation of the linings of the mouth, throat, and gastrointestinal tract.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Dry powder. Dry sand. Foam.
Unsuitable extinguishing media : Water. Carbon dioxide.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Heavier than air, vapours may travel long distances along ground, ignite and flash back to source. During combustion : Toxic fumes may be released. Carbon oxides (CO, CO₂).
Hazardous decomposition products in case of fire : On thermal decomposition (pyrolysis) : Sodium hydroxide. Methanol.

5.3. Advice for firefighters

Firefighting instructions : Contain the extinguishing fluids by bunding. Do not discharge into drains or the environment.
Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Remove all sources of ignition. Avoid contact of substance with water.

6.1.1. For non-emergency personnel

Emergency procedures : Do not breathe vapours. Avoid contact with skin and eyes. Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Contain the spilled material by bunding. Do not discharge into drains or rivers.

6.3. Methods and material for containment and cleaning up

For containment : In the event of significant spillages : Pump up the product into a suitably labelled spare container. Small spillages: Absorb spillage with: Sand/earth. inert absorbent material. Put into a labelled container and provide safe disposal.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Do not breathe vapours. Take precautionary measures against static discharge. Keep away from sources of ignition - No smoking. Earth the equipment. Flame proof, lighting, electrical equipment and ventilation.
Hygiene measures : Do not drink, eat or smoke in the workplace. Always wash hands after handling the product.

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7.2. Conditions for safe storage, including any incompatibilities

Technical measures	: The floor of the depot must be impermeable, non-combustible and designed to form a basin, in order that stored flammable liquids should not, under any circumstances, be released outside.
Storage conditions	: Keep container tightly closed. Store in a dry, cool place. Protect from heat and direct sunlight. Keep in a well-ventilated room.
Incompatible materials	: Acids. Oxidizing materials. Water. Air. Oxygen.
Storage temperature	: ≥ 7 °C
Special rules on packaging	: Store in original container.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

Methanol (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
Ireland - Occupational Exposure Limits	
Local name	Methanol [Methyl alcohol]
OEL TWA [1]	260 mg/m ³
OEL TWA [2]	200 ppm
Remark	Sk (Substances which have the capacity to penetrate intact skin when they come in contact with it, and be absorbed into the body), IOELV (Indicative Occupational Exposure Limit Values)
Regulatory reference	Chemical Agents Code of Practice 2021
Ireland - Biological limit values	
Local name	Methanol
BMGV	15 mg/l Parameter: methanol - Medium: urine - Sampling time: End of shift - Notations: B (Background), Ns (Non-specific)
Regulatory reference	Biological Monitoring Guidelines (HSA, 2011)
Malta - Occupational Exposure Limits	
Local name	Methanol
OEL TWA	260 mg/m ³
OEL TWA [ppm]	200 ppm
Remark	Skin # Ġilda
Regulatory reference	S.L.424.24 - Chemical Agents at Work Regulations (L.N.356 of 2021)

8.1.2. Recommended monitoring procedures

No additional information available

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8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

Methanol (67-56-1)	
DNEL/DMEL (Workers)	
Acute - systemic effects, dermal	20 mg/kg bodyweight/day
Acute - systemic effects, inhalation	130 mg/m ³
Acute - local effects, inhalation	130 mg/m ³
Long-term - systemic effects, dermal	20 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	130 mg/m ³
Long-term - local effects, inhalation	130 mg/m ³
DNEL/DMEL (General population)	
Acute - systemic effects, dermal	4 mg/kg bodyweight/day
Acute - systemic effects, inhalation	26 mg/m ³
Acute - systemic effects, oral	4 mg/kg bodyweight/day
Acute - local effects, inhalation	26 mg/m ³
Long-term - systemic effects, oral	4 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	26 mg/m ³
Long-term - systemic effects, dermal	4 mg/kg bodyweight/day
Long-term - local effects, inhalation	26 mg/m ³
Sodium methanolate (124-41-4)	
PNEC (Water)	
PNEC aqua (freshwater)	154 mg/l
PNEC aqua (marine water)	15.4 mg/l
PNEC aqua (intermittent, freshwater)	1540 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	570.4 mg/kg dwt
PNEC (Soil)	
PNEC soil	23.5 mg/kg
PNEC (STP)	
PNEC sewage treatment plant	100 mg/l

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Provide good ventilation in process area to prevent formation of vapour.

8.2.2. Personal protection equipment

8.2.2.1. Eye and face protection

Eye protection:

Safety glasses with side shields (EN 166)

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8.2.2.2. Skin protection

Skin and body protection:

Protective clothing (EN 14605). Safety foot-wear

Hand protection:

Nitrile-rubber protective gloves (> 30cm). Layer thickness : 0.38mm. Breakthrough time (min) : > 480

8.2.2.3. Respiratory protection

Respiratory protection:

Breathing apparatus with filter A (EN 14387)

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:

Used in closed systems.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: yellowish.
Odour	: Alcohol.
Odour threshold	: Not available
Melting point	: 6.8 °C
Freezing point	: Not available
Boiling point	: 92 °C (1013 hPa) (DIN 551 751)
Flammability	: Not available
Explosive limits	: Not available
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: 33 °C (DIN 51 755)
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
pH	: ~ 11
Viscosity, kinematic	: Not available
Viscosity, dynamic	: 64 – 68 mPa.s (20 °C)
Solubility	: Water: Hydrolysis
Partition coefficient n-octanol/water (Log Kow)	: Not available
Partition coefficient n-octanol/water (Log Pow)	: -0.77 (20 °C)
Vapour pressure	: ~ 34 hPa (20 °C)
Vapour pressure at 50°C	: Not available
Density	: 0.97 (20 °C) (DIN 51 757)
Relative density	: Not available
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

Other properties : Reacts with water

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SECTION 10: Stability and reactivity

10.1. Reactivity

Reacts with : Water. May form flammable/explosive vapour-air mixture.

10.2. Chemical stability

Flammable liquid and vapour. May form peroxides.

10.3. Possibility of hazardous reactions

Reacts exothermically with (some) acids. May be corrosive to metals.

10.4. Conditions to avoid

Ignition sources. Air and moisture sensitive.

10.5. Incompatible materials

Water. Acids. Air. Oxidizing agent. Oxygen. Light metals.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

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.

Sodium methanolate (30%)	
ATE CLP (oral)	139.318 mg/kg bodyweight
ATE CLP (dermal)	428.571 mg/kg bodyweight
ATE CLP (dust,mist)	0.714 mg/l/4h
Methanol (67-56-1)	
ATE CLP (oral)	100 mg/kg
ATE CLP (dermal)	300 mg/kg
ATE CLP (vapours)	3 mg/l/4h
Sodium methanolate (124-41-4)	
LD50 oral rat	1687 mg/kg bodyweight (OECD 401)
LD50 dermal rat	> 2000 mg/kg bodyweight

Skin corrosion/irritation : Causes severe skin burns.
pH: ~ 11

Serious eye damage/irritation : Causes serious eye damage.
pH: ~ 11

Respiratory or skin sensitisation : Not classified (Based on available data, the classification criteria are not met)

Germ cell mutagenicity : Not classified (Based on available data, the classification criteria are not met)

Carcinogenicity : Not classified (Based on available data, the classification criteria are not met)

Reproductive toxicity : Not classified (Based on available data, the classification criteria are not met)

STOT-single exposure : Causes damage to organs (optic nerve, central nervous system).

STOT-repeated exposure : Not classified (Based on available data, the classification criteria are not met)

Aspiration hazard : Not classified (Based on available data, the classification criteria are not met)

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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 (Based on available data, the classification criteria are not met)

Hazardous to the aquatic environment, long-term (chronic) : Not classified (Based on available data, the classification criteria are not met)

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

Sodium methanolate (30%)

Partition coefficient n-octanol/water (Log Pow)	-0.77 (20 °C)
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

Component

Methanol (67-56-1)	This substance does not meet the PBT criteria of REACH regulation, annex XIII This substance does not meet the vPvB criteria of REACH regulation, annex XIII
Sodium methanolate (124-41-4)	This substance does not meet the PBT criteria of REACH regulation, annex XIII This substance does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose of in accordance with relevant local regulations.
Additional information : The user's attention is drawn to the possible existence of specific european, national or local regulations regarding disposal.

SECTION 14: Transport information

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

ADR	IMDG	IATA	ADN	RID
14.1. UN number or ID number				
UN 1289	UN 1289	UN 1289	UN 1289	UN 1289

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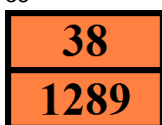
according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

ADR	IMDG	IATA	ADN	RID
14.2. UN proper shipping name				
SODIUM METHYLATE SOLUTION	SODIUM METHYLATE SOLUTION	Sodium methylate solution	SODIUM METHYLATE SOLUTION	SODIUM METHYLATE SOLUTION
14.3. Transport hazard class(es)				
3 (8)	3 (8)	3 (8)	3 (8)	3 (8)
14.4. Packing group				
III	III	III	III	III
14.5. Environmental hazards				
Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: No	Dangerous for the environment: No	Dangerous for the environment: No

14.6. Special precautions for user

Overland transport

Classification code (ADR) : FC
Limited quantities (ADR) : 5I
Excepted quantities (ADR) : E1
Packing instructions (ADR) : P001, IBC02, R001
Mixed packing provisions (ADR) : MP19
Portable tank and bulk container instructions (ADR) : T4
Portable tank and bulk container special provisions (ADR) : TP1
Tank code (ADR) : L4BN
Vehicle for tank carriage : FL
Transport category (ADR) : 3
Special provisions for carriage - Operation (ADR) : S2
Hazard identification number (Kemler No.) : 38
Orange plates :



Tunnel restriction code (ADR) : D/E

Transport by sea

Special provisions (IMDG) : 223
Limited quantities (IMDG) : 5 L
Excepted quantities (IMDG) : E1
Packing instructions (IMDG) : P001
IBC packing instructions (IMDG) : IBC03
Tank instructions (IMDG) : T4
Tank special provisions (IMDG) : TP1
EmS-No. (Fire) : F-E
EmS-No. (Spillage) : S-C
Stowage category (IMDG) : A
MFAG-No : 132

Air transport

PCA Excepted quantities (IATA) : E1
PCA Limited quantities (IATA) : Y342
PCA limited quantity max net quantity (IATA) : 1L

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PCA packing instructions (IATA)	: 354
PCA max net quantity (IATA)	: 5L
CAO packing instructions (IATA)	: 365
CAO max net quantity (IATA)	: 60L
Special provisions (IATA)	: A3
ERG code (IATA)	: 3C

Inland waterway transport

Classification code (ADN)	: FC
Limited quantities (ADN)	: 5 L
Excepted quantities (ADN)	: E1
Carriage permitted (ADN)	: T
Equipment required (ADN)	: PP, EP, EX, A
Ventilation (ADN)	: VE01
Number of blue cones/lights (ADN)	: 0

Rail transport

Classification code (RID)	: FC
Limited quantities (RID)	: 5L
Excepted quantities (RID)	: E1
Packing instructions (RID)	: P001, IBC02, R001
Mixed packing provisions (RID)	: MP19
Portable tank and bulk container instructions (RID)	: T4
Portable tank and bulk container special provisions (RID)	: TP1
Tank codes for RID tanks (RID)	: L4BN
Transport category (RID)	: 3
Colis express (express parcels) (RID)	: CE4
Hazard identification number (RID)	: 38

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

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	Entry title or description
3.	Methanol	Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008
3(a)	Methanol	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F
3(b)	Methanol	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10
40.	Methanol ; Sodium methanolate	Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not.

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REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 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

No additional information available

15.2. Chemical safety assessment

A chemical safety assessment has been carried out

SECTION 16: Other information

Abbreviations and acronyms:	
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
PNEC	Predicted No-Effect Concentration
LC50	Median lethal concentration
LD50	Median lethal dose
EC50	Median effective concentration
BCF	Bioconcentration factor
OECD	Organisation for Economic Co-operation and Development
VLE	Valeur Limite d'Exposition
VME	Valeur Moyenne d'Exposition

Data sources

: ECHA - European Chemical Agency. CSR (Chemical safety report).

Training advice

: All personnel are trained.

Other information

: No experimental study on the product is available. The information given is based on our knowledge of the components and the classification of the product is determined by calculation.

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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 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
EUH014	Reacts violently with water.
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Flam. Liq. 2	Flammable liquids, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Flam. Sol. 1	Flammable solids, Category 1
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H228	Flammable solid.
H251	Self-heating: may catch fire.
H290	May be corrosive to metals.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H331	Toxic if inhaled.
H370	Causes damage to organs.
H371	May cause damage to organs.
Met. Corr. 1	Corrosive to metals, Category 1
Self-heat. 1	Self-Heating Substances and Mixtures, Category 1
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B
STOT SE 1	Specific target organ toxicity – single exposure, Category 1
STOT SE 2	Specific target organ toxicity – Single exposure, Category 2

Full text of use descriptors	
ERC4	Use of non-reactive processing aid at industrial site (no inclusion into or onto article)
ERC6a	Use of intermediate
PROC1	Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions
PROC2	Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions
PROC8b	Transfer of substance or mixture (charging and discharging) at dedicated facilities

Sodium methanolate (30%)

Safety Data Sheet

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

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:		
Flam. Liq. 3	H226	On basis of test data
Met. Corr. 1	H290	Practical experience
Acute Tox. 3 (Oral)	H301	Calculation method
Acute Tox. 3 (Dermal)	H311	Calculation method
Acute Tox. 3 (Inhalation:dust,mist)	H331	Calculation method
Skin Corr. 1B	H314	Calculation method
Eye Dam. 1	H318	Calculation method
STOT SE 1	H370	Calculation method

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.

Sodium methanolate (30%)

Safety Data Sheet

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

ANNEX TO THE SAFETY DATA SHEET

Identified Uses	Es N°	Short title	Page
Use as an intermediate - Industrial	1		16

Sodium methanolate (30%)

ANNEX TO THE SAFETY DATA SHEET: Exposure scenario

Product form: Mixture Physical state: Liquid

1. 1 - Industrial; Use as an intermediate - Industrial

1.1. Title section

Use as an intermediate - Industrial

ES Ref.: 1
ES Type: Worker

Environment	Use descriptors
Contributing scenario controlling environmental exposure	ERC4, ERC6a

Worker	Use descriptors
Worker Contributing Scenario	PROC1, PROC2, PROC8b

Processes, tasks, activities covered	Use as an intermediate Biodiesel, etc
Assessment method	LCID method - Leading substances : Methanol, Sodium methanolate

1.2. Conditions of use affecting exposure

1.2.1. Control of environmental exposure: Contributing scenario controlling environmental exposure (ERC4, ERC6a)

ERC4	Use of non-reactive processing aid at industrial site (no inclusion into or onto article)
ERC6a	Use of intermediate

1.2.2. Control of worker exposure: Worker Contributing Scenario (PROC1, PROC2, PROC8b)

PROC1	Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions
PROC2	Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions
PROC8b	Transfer of substance or mixture (charging and discharging) at dedicated facilities

Product (article) characteristics

Physical form of product	Liquid
Concentration of substance in product	Methanol : <= 85% / sodium methanolate : <= 30%

Amount used (or contained in articles), frequency and duration of use/exposure

Covers use up to	4 h (PROC1 / PROC2)
Covers use up to	8 h (PROC8b)

Technical and organisational conditions and measures

Provide a good standard of general ventilation (not less than 3 to 5 air changes per hour)	
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Conditions and measures related to personal protection, hygiene and health evaluation

Chemical goggles	(EN 166)
Impermeable clothing	(EN 14605)
Nitrile rubber gloves	Length : > 30cm. Breakthrough time : > 480 min. Thickness : 0.38 mm

Sodium methanolate (30%)

ANNEX TO THE SAFETY DATA SHEET: Exposure scenario

Product form: Mixture Physical state: Liquid

Conditions and measures related to personal protection, hygiene and health evaluation

Breathing apparatus	Efficiency : 95 % (APF 20) (PROC2)
Handle in accordance with good industrial hygiene and safety practice	

Other conditions affecting workers exposure

Assumes process temperature up to	92 °C
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1.3. Exposure estimation and reference to its source

1.3.1. Environmental release and exposure Contributing scenario controlling environmental exposure (ERC4, ERC6a)

Information for contributing exposure scenario

As no environmental hazard was identified no environmental-related exposure assessment and risk characterization was performed

1.3.2. Worker exposure Worker Contributing Scenario (PROC1)

Information for contributing exposure scenario

Route of exposure and type of effects	Exposure estimate	RCR	Method
Dermal - Long-term - systemic effects	0.02 mg/kg bw/day	< 0.01	ECETOC TRA 3.0,(Methanol),(Sodium methanolate :Qualitative approach used to conclude safe use)
Inhalation - Long-term - systemic effects	0.01 mg/m ³	< 0.01	ECETOC TRA 3.0,(Methanol),(Sodium methanolate :Qualitative approach used to conclude safe use)
Sum RCR - Long-term - systemic effects		< 0.02	
Inhalation - Acute - systemic effects	0.04 mg/m ³	< 0.01	ECETOC TRA 3.0 (Methanol)
Sum RCR - Acute - systemic effects		< 0.01	

1.3.3. Worker exposure Worker Contributing Scenario (PROC2)

Information for contributing exposure scenario

Route of exposure and type of effects	Exposure estimate	RCR	Method
Dermal - Long-term - systemic effects	0,16 mg/kg bw/day	< 0,01	ECETOC TRA 3.0,(Methanol),(Sodium methanolate :Qualitative approach used to conclude safe use)
Inhalation - Long-term - systemic effects	0,70 mg/m ³	< 0,01	ECETOC TRA 3.0,(Methanol),(Sodium methanolate :Qualitative approach used to conclude safe use)
Sum RCR - Long-term - systemic effects		< 0,02	
Inhalation - Acute - systemic effects	4,67 mg/m ³	0,04	ECETOC TRA 3.0 (Methanol)
Sum RCR - Acute - systemic effects		0,04	

Sodium methanolate (30%)

ANNEX TO THE SAFETY DATA SHEET: Exposure scenario

Product form: Mixture Physical state: Liquid

1.3.4. Worker exposure Worker Contributing Scenario (PROC8b)

Information for contributing exposure scenario			
Route of exposure and type of effects	Exposure estimate	RCR	Method
Dermal - Long-term - systemic effects	2,74 mg/kg bw/day	0,14	ECETOC TRA 3.0,(Methanol),(Sodium methanolate :Qualitative approach used to conclude safe use)
Inhalation - Long-term - systemic effects	23,36 mg/m ³	0,18	ECETOC TRA 3.0,(Methanol),(Sodium methanolate :Qualitative approach used to conclude safe use)
Sum RCR - Long-term - systemic effects		0,32	
Inhalation - Acute - systemic effects	93,45 mg/m ³	0,67	ECETOC TRA 3. (Methanol)
Sum RCR - Acute - systemic effects		0,67	

1.4. Guidance to Downstream User to evaluate whether he works inside the boundaries set by the ES

1.4.1. Environment

Guidance - Environment	No additional risk management measures, besides those that are mentioned above, are needed to guarantee safe use for environment.
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1.4.2. Health

Guidance - Health	Guidance is based on assumed operating conditions which may not be applicable to all sites; thus, scaling may be necessary to define appropriate site-specific risk management measures. Where other Risk Management Measures/Operational Conditions are adopted, then users should ensure that risks are managed to at least equivalent levels
Health Scaling Method	ECETOC TRA worker