

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

1.1. Product identifier

Product form : Mixture
Trade name : Rubio Monocoat FR Base

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

1.2.1. Relevant identified uses

Intended for general public
Main use category : Consumer use, Professional use

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

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info@rubiomonocoat.com, www.rubiomonocoat.com

1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number	Comment
Australia	NSW Poisons Information Centre The Children's Hospital at Westmead	Locked Bag 4001 NSW 2145	13 11 26	
United Kingdom	National Poisons Information Service (Belfast Centre) Royal Victoria Hospital	Grosvenor Road BT12 6BA	0344 892 0111	Only for healthcare professionals

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Not classified

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

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

Precautionary statements (CLP) : P102 - Keep out of reach of children.

2.3. Other hazards

Contains no PBT and/or vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

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 substance(s) are 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 %

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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]
propaan-2-ol; isopropylalcohol; isopropanol substance with national workplace exposure limit(s) (BE, DE, DK, GB, NL, NO, CH)	CAS-No.: 67-63-0 EC-No.: 200-661-7 EC Index-No.: 603-117-00-0 REACH-no: 01-2119457558-25	2,4	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
4-toluenesulfonic acid, with maximum 5% H2SO4	CAS-No.: 104-15-4 EC Index-No.: 016-030-00-2	1,6	Eye Irrit. 2, H319 STOT SE 3, H335 Met. Corr. 1, H290 Skin Irrit. 2, H315

Specific concentration limits:

Name	Product identifier	Specific concentration limits
4-toluenesulfonic acid, with maximum 5% H2SO4	CAS-No.: 104-15-4 EC Index-No.: 016-030-00-2	(20 ≤ C < 100) STOT SE 3, H335

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 general	: If medical advice is needed, have product container or label at hand.
First-aid measures after inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
First-aid measures after skin contact	: If on skin (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation persists, take medical advice.
First-aid measures after eye contact	: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Irritation persists.
First-aid measures after ingestion	: Do NOT induce vomiting. Call a physician immediately.

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

Symptoms/effects	: If you feel unwell, seek medical advice.
Symptoms/effects after inhalation	: Inhalation may cause irritation, cough, shortness of breath. May cause drowsiness or dizziness. Obtain medical attention if breathing difficulty persists.
Symptoms/effects after skin contact	: Remove all contaminated clothing and footwear. If on skin : Wash with plenty of soap and water. Repeated exposure may cause skin dryness or cracking.
Symptoms/effects after eye contact	: Irritating to eyes. Rinse immediately with plenty of water for 15 minutes. Consult a doctor.
Symptoms/effects after ingestion	: Seek a medical assistance, even if there are no immediate symptoms. Show this safety data sheet to the doctor or emergency department.

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

Show this safety data sheet to the doctor or emergency department.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Water mist, carbonic acid, foam or powder against ambient fire.
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Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Heating may cause a fire or explosion. This product is flammable.
Explosion hazard : May form flammable/explosive vapour-air mixture.

5.3. Advice for firefighters

Precautionary measures fire : Evacuate area.
Firefighting instructions : Eliminate all ignition sources if safe to do so. Fight fire remotely due to the risk of explosion. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.
Protection during firefighting : Self-contained breathing apparatus. Complete protective clothing. Do not attempt to take action without suitable protective equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Eliminate every possible source of ignition. No naked flames, sparks, and do not smoke.

6.1.1. For non-emergency personnel

Emergency procedures : Only qualified personnel equipped with suitable protective equipment may intervene. Do not get in eyes, on skin, or on clothing. Use personal protective equipment - see point 8. Limit spread.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection. Do not attempt to take action without suitable protective equipment.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Avoid discharge into the sewer - see point 12. Inform the local environmental authorities in the event of a release to the surroundings.

6.3. Methods and material for containment and cleaning up

For containment : Collect spillage.
Methods for cleaning up : Liquid is absorbed with granules or similar. Collect in suitable containers. Rinse thoroughly with water. Further handling of spillage - see point 13. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible.
Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Use only outdoors or in a well-ventilated area. Eliminate all ignition sources if safe to do so. Wear personal protective equipment. Do not get in eyes, on skin, or on clothing. Take precautionary measures against static discharge.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Use only non-sparking tools. Take precautionary measures against static discharge.
Storage conditions : Store in a well-ventilated place. Keep container tightly closed.
Storage area : Store away from direct sunlight or other heat sources.

7.3. Specific end use(s)

No additional information available

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

propaan-2-ol; isopropylalcohol; isopropanol (67-63-0)	
Belgium - Occupational Exposure Limits	
Local name	Alcool isopropylique # Isopropylalcohol
Limit value [mg/m³]	500 mg/m³
Limit value [ppm]	200 ppm
Short time value [mg/m³]	1000 mg/m³
Short time value [ppm]	400 ppm
Regulatory reference	Koninklijk besluit/Arrêté royal 11/05/2021
Denmark - Occupational Exposure Limits	
Local name	Propaan-2-ol
Grænseværdi (8 timer) (mg/m³)	490 mg/m³
Grænseværdi (STEL) (mg/m³)	980 mg/m³
Germany - Occupational Exposure Limits (TRGS 900)	
Occupational exposure limit value (mg/m³)	500 mg/m³
Limitation of exposure peaks (mg/m³)	1000 mg/m³
Netherlands - Occupational Exposure Limits	
Grenswaarde TGG 8H (mg/m³)	650 mg/m³
Grenswaarde TGG 15MIN (mg/m³)	0 mg/m³
United Kingdom - Occupational Exposure Limits	
Local name	Propan-2-ol
WEL TWA (mg/m³)	999 mg/m³
WEL TWA (ppm)	400 ppm
WEL STEL (mg/m³)	1250 mg/m³
WEL STEL (OEL STEL) [ppm]	500 ppm
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE
Norway - Occupational Exposure Limits	
Local name	2-propanol
Grenseverdier (AN) (mg/m³)	245 mg/m³
Remark	H
Switzerland - Occupational Exposure Limits	
Local name	2-Propanol
VME [mg/m³]	500 mg/m³
VME [ppm]	200 ppm
VLE [mg/m³]	1000 mg/m³
VLE [ppm]	400 ppm
Notation	SSC Keine Schädigung der Leibesfrucht bei Einhaltung des MAK-Werts B = Biologisches Monitoring

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propaan-2-ol; isopropylalcohol; isopropanol (67-63-0)	
Remark	Messmethoden = INRS + NIOSH
Switzerland - BAT	
BAT	25 mg/l
USA - ACGIH - Occupational Exposure Limits	
Local name	2-Propanol
ACGIH TWA (ppm)	200 ppm
ACGIH STEL (ppm)	400 ppm
Remark (ACGIH)	TLV® Basis: Eye & URT irr; CNS impair. Notations: A4 (Not classifiable as a Human Carcinogen); BEI
Regulatory reference	ACGIH 2023
USA - ACGIH - Biological Exposure Indices	
Local name	2-PROPANOL
Biological Exposure Indices (BEI)	40 mg/l Parameter: Acetone - Medium: urine - Sampling time: End of shift at end of workweek - Notations: B, Ns
Regulatory reference	ACGIH 2023

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

4-toluenesulfonic acid, with maximum 5% H2SO4 (104-15-4)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	7,6 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	53,6 mg/m³
DNEL/DMEL (General population)	
Long-term - systemic effects, oral	2,5 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	8,7 mg/m³
Long-term - systemic effects, dermal	2,5 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	0,073 mg/l
PNEC aqua (marine water)	0,0073 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	0,0577 mg/kg dwt
PNEC sediment (marine water)	0,00577 mg/kg dwt
PNEC (Soil)	
PNEC soil	0,016 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	58 mg/l

8.1.5. Control banding

No additional information available

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8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

During spraying wear suitable respiratory equipment.

8.2.2. Personal protection equipment

Personal protective equipment:

Avoid all unnecessary exposure. Protective goggles. Protective clothing. Gloves.

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

No additional information available

8.2.2.2. Skin protection

No additional information available

8.2.2.3. Respiratory protection

No additional information available

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

Consumer exposure controls:

Avoid contact during pregnancy/while nursing.

Other information:

Do not eat, drink or smoke when using this product.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: transparent.
Appearance	: Liquid.
Odour	: characteristic.
Odour threshold	: Not available
Melting point	: Not available
Freezing point	: Not available
Boiling point	: Not available
Flammability	: Not available
Explosive limits	: Not available
Lower explosive limit (LEL)	: Not available
Upper explosive limit (UEL)	: Not available
Flash point	: 61 °C
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
pH	: Not available
Viscosity, kinematic	: > 20,5 mm²/s
Solubility	: Not available
Log Kow	: Not available
Vapour pressure	: Not available
Vapour pressure at 50°C	: Not available
Density	: 0,94 kg/l

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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

VOC content : 2,4 g/l

SECTION 10: Stability and reactivity

10.1. Reactivity

Heating may cause a fire or explosion. Highly flammable liquid and vapour.

10.2. Chemical stability

Combustible liquid.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

All heat sources, including direct sunlight. No flames, no sparks. Eliminate all sources of ignition. Avoid shock and friction.

10.5. Incompatible materials

Avoid oxidizing agents as well as strong acids and bases.

10.6. Hazardous decomposition products

No additional information available

SECTION 11: Toxicological information

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

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

propaan-2-ol; isopropylalcohol; isopropanol (67-63-0)	
LD50 oral rat	5840 mg/kg
LD50 oral	4396 mg/kg bodyweight
LD50 dermal	12800 mg/kg bodyweight
LC50 Inhalation - Rat (Dust/Mist)	46600 mg/l

4-toluenesulfonic acid, with maximum 5% H2SO4 (104-15-4)	
LD50 oral rat	1104 – 2480 mg/kg
LC50 Inhalation - Rat	50 – 100 mg/kg (8h)

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

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propaan-2-ol; isopropylalcohol; isopropanol (67-63-0)

IARC group	3 - Not classifiable
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified

propaan-2-ol; isopropylalcohol; isopropanol (67-63-0)

STOT-single exposure	May cause drowsiness or dizziness.
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4-toluenesulfonic acid, with maximum 5% H2SO4 (104-15-4)

STOT-single exposure	May cause respiratory irritation.
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

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Viscosity, kinematic	> 20,5 mm²/s
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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
Hazardous to the aquatic environment, long-term (chronic)	: Not classified

propaan-2-ol; isopropylalcohol; isopropanol (67-63-0)

LC50 fish 1	9640 mg/l
EC50 other aquatic organisms 1	13299 mg/l waterflea
EC50 other aquatic organisms 2	> 1000 mg/l

4-toluenesulfonic acid, with maximum 5% H2SO4 (104-15-4)

LC50 fish 1	> 100 mg/l Fish (96h)
EC50 Daphnia 1	> 100 mg/l Daphnia magna (48h)
EC50 other aquatic organisms 1	73 mg/l Algae (72h)

12.2. Persistence and degradability

4-toluenesulfonic acid, with maximum 5% H2SO4 (104-15-4)

Persistence and degradability	Readily biodegradable.
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12.3. Bioaccumulative potential

propaan-2-ol; isopropylalcohol; isopropanol (67-63-0)

Log Pow	0,05
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4-toluenesulfonic acid, with maximum 5% H2SO4 (104-15-4)

Bioaccumulative potential	No data available.
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12.4. Mobility in soil

4-toluenesulfonic acid, with maximum 5% H2SO4 (104-15-4)

Ecology - soil	Material insoluble in water.
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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

Additional information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations	: Discharging into rivers and drains is forbidden. Dispose of in accordance with relevant local regulations.
Additional information	: Flammable vapours may accumulate in the container. Clean up even minor leaks or spills if possible without unnecessary risk.
Ecology - waste materials	: Avoid release to the environment.
European List of Waste (LoW, EC 2000/532)	: 14 06 03* - other solvents and solvent mixtures
H code	: Auto detect - Auto detect

SECTION 14: Transport information

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

ADR	IMDG	IATA	ADN	RID
14.1. UN number or ID number				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.2. UN proper shipping name				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
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
No supplementary information available				

14.6. Special precautions for user

Overland transport

Transport regulations (ADR) : Not applicable

Transport by sea

Transport regulations (IMDG) : Not applicable

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Air transport

Transport regulations (IATA) : Not applicable

Inland waterway transport

Transport regulations (ADN) : Not applicable

Rail transport

Transport regulations (RID) : Not applicable

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

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

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

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

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

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

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

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

VOC content : 2,4 g/l

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

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 3, Highly hazardous to water (Classification according to AwSV, Annex 1)

Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

Netherlands

ABM category : B(3) - hazardous for aquatic organisms

SZW-list of carcinogenic substances : None of the components are listed

SZW-list of mutagenic substances : None of the components are listed

NON-exhaustive list of reprotoxic substances - : None of the components are listed

Breastfeeding

SZW-lijst van reprotoxische stoffen – : None of the components are listed

Vruchtbaarheid

NON-exhaustive list of reprotoxic substances - : None of the components are listed

Development

Denmark

Class for fire hazard : Class III-1

Store unit : 50 liter

Classification remarks : Flammable according to the Danish Ministry of Justice; Emergency management guidelines for the storage of flammable liquids must be followed

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15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Full text of H- and EUH-statements:	
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
H225	Highly flammable liquid and vapour.
H290	May be corrosive to metals.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
Met. Corr. 1	Corrosive to metals, Category 1
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Narcosis

The classification complies with : ATP 18

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.