



# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

## moNolith46®\_Yellow™

Version number: GHS 1.0

Date of compilation: 2023-01-05:

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

#### 1.1 Product identifier

Trade name **MoNolith46®\_Yellow™**  
Registration number (REACH) not relevant (mixture)  
Unique formula identifier (UFI) D300-F0K2-1005-G31F

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

Relevant identified uses fertilizing product  
urease inhibitor

For professional users only.

Uses advised against Not determined.

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

Phoenix Sp. z o.o. Sp. k.  
ul. Plażowa 7  
72-020 Trzebież  
Telephone: +48 603 051 271  
e-mail: biuro@Phoenix-nawozy.pl

#### 1.4 Emergency telephone number

Emergency information service National Toxicology Information Center: 00421- (0) 2-547 741 66,  
24-hour consultation service for acute intoxications

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

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

Section	Hazard class	Category	Hazard class and category	Hazard statement
3.3	serious eye damage/eye irritation	1	Eye Dam. 1	H318
3.7	reproductive toxicity	2	Repr. 2	H361f

For full text of abbreviations: see SECTION 16.

#### 2.2 Label elements

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

- Signal word DANGER

- Pictograms

GHS05, GHS08



Hazard statements

H318 Causes serious eye damage.  
H361f Suspected of damaging fertility.



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### Precautionary statements

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P264	Wash hands thoroughly after handling.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of water.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P310	Immediately call a POISON CENTER/doctor.
P391	Collect spillage.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P501	Dispose of contents/container to a facility in accordance with local and national regulations.

- Hazardous ingredients for labelling N-(N-butyl)thiophosphoric triamide

### 2.3 Other hazards

There is no additional information.

Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

not relevant (mixture)

### 3.2 Mixtures

Name of substance	Identifier	Wt%	Classification acc. to GHS	Notes
propane-1,2-diol	CAS No 57-55-6  EC No 200-338-0  REACH Reg. No 01-2119456809-23-xxxx	≥ 50	not classified	OEL
N-(N-butyl)thiophosphoric triamide	CAS No 94317-64-3  EC No 435-740-7  REACH Reg. No 01-2119958968-10-0003	20 – 30	Eye Dam. 1 / H318 Repr. 2 / H361f	
Propylene carbonate	CAS No 108-32-7  EC No 203-572-1  Index No 607-194-00-1  REACH Reg. No 01-2119537232-48-xxxx	10 – 24	Eye Irrit. 2 / H319	GHS-HC

#### Notes

GHS-HC: Harmonised classification (the classification of the substance corresponds to the entry in the list according to 1272/2008/EC, Annex VI)



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### Notes

OEL: Substance with a national occupational exposure limit value

For full text of abbreviations: see SECTION 16.

## **SECTION 4: First aid measures**

### **4.1 Description of first aid measures**

#### General notes

Remove victim out of the danger area. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

#### Following inhalation

Provide fresh air. If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions.

#### Following skin contact

Take off contaminated clothing. Wash skin with water and soap or mild detergent. If skin irritation or rash occurs: Get medical advice/attention.

#### Following eye contact

Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. See an eye doctor immediately.

#### Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting. Get immediate medical advice/attention.

### **4.2 Most important symptoms and effects, both acute and delayed**

Description of known symptoms following exposure, if relevant - see section 11.

### **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

Water spray, Fire extinguishing powder, Carbon dioxide (CO<sub>2</sub>), Sand

#### Unsuitable extinguishing media

Water jet

### **5.2 Special hazards arising from the substance or mixture**

#### Hazardous combustion products

nitrogen oxides (NO<sub>x</sub>), carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>), phosphorus oxides (P<sub>x</sub>O<sub>y</sub>), sulphur oxides (SO<sub>x</sub>), fumes

### **5.3 Advice for firefighters**

In case of fire and/or explosion do not breathe fumes. Fire fighting crew should be adequately trained and equipped with self-contained breathing apparatus and full protective clothing. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance. Cool closed containers exposed to fire with water spray.



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### **SECTION 6: Accidental release measures**

#### **6.1 Personal precautions, protective equipment and emergency procedures**

Stop the leak if possible and safe to do so (seal, close the liquid isolation valve, put the leaking or damaged container to emergency container). Eliminate all sources of ignition.

For non-emergency personnel

Remove persons to safety. Wearing of suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing.

For emergency responders

Wear breathing apparatus if exposed to vapours/dust/spray/gases.

#### **6.2 Environmental precautions**

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it. Disposal considerations: see section 13.

#### **6.3 Methods and material for containment and cleaning up**

Advice on how to contain a spill

Bunding, Covering of drains

Recover large spills by pumping (use an explosion proof or hand pump). Place in a suitable container for disposal in accordance with the waste regulations in case of small spills Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder). Use mechanical handling equipment

Advice on how to clean up a spill

Wash off with plenty of water with surfactants in accordance with environmental protection regulations.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

#### **6.4 Reference to other sections**

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

### **SECTION 7: Handling and storage**

#### **7.1 Precautions for safe handling**

Comply with the current legislation concerning the prevention of industrial risks. Control spills and residues, destroying them with safe methods (section 6). Containers which were opened must be carefully closed and kept upright to prevent leakage.

Recommendations

- Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Use only in well-ventilated areas.

Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

#### **7.2 Conditions for safe storage, including any incompatibilities**

Keep only in the original container in a cool, well-ventilated place. Protect from sunlight. Recommended storage temperature. -10 °C. 40 °C. Keep away from food, drink and animal feedingstuffs.



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Maintaining of the integrity of the substance or mixture

Prolonged storage in an open container will cause degradation of the product. Changes in the properties of the product may occur in case of improper storage. Content of opened containers should be used within 30 days, starting with the earliest opened.

### 7.3 Specific end use(s)

See section 16 for a general overview.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### National limit values

Occupational exposure limit values (Workplace Exposure Limits)

Country	Name of agent	CAS No	Identifier	TWA [ppm]	TWA [mg/m <sup>3</sup> ]	STEL [ppm]	STEL [mg/m <sup>3</sup> ]	Ceiling-C [ppm]	Ceiling-C [mg/m <sup>3</sup> ]	Notation	Source
IE	propane-1,2-diol	57-55-6	OELV		10					particle	S.I. No. 619 of 2001
IE	propane-1,2-diol	57-55-6	OELV	150	470					vp	S.I. No. 619 of 2001

#### Notation

Ceiling-C

particle

STEL

TWA

vp

ceiling value is a limit value above which exposure should not occur

as airborne particles

short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period (unless otherwise specified)

time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours time-weighted average (unless otherwise specified)

as vapours and particulates

#### Relevant DNELs of components of the mixture

Name of substance	CAS No	Endpoint	Threshold level	Protection goal, route of exposure	Used in	Exposure time
propane-1,2-diol	57-55-6	DNEL	10 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic - local effects
propane-1,2-diol	57-55-6	DNEL	168 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic - systemic effects
N-(N-butyl)thiophosphoric triamide	94317-64-3	DNEL	0.12 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
N-(N-butyl)thiophosphoric triamide	94317-64-3	DNEL	0.63 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic - systemic effects
Propylene carbonate	108-32-7	DNEL	70.53 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic - systemic effects
Propylene carbonate	108-32-7	DNEL	20 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic - local effects
Propylene carbonate	108-32-7	DNEL	20 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects



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Relevant PNECs of components of the mixture						
Name of substance	CAS No	Endpoint	Threshold level	Organism	Environmental compartment	Exposure time
propane-1,2-diol	57-55-6	PNEC	183 mg/l	aquatic organisms	water	intermittent release
propane-1,2-diol	57-55-6	PNEC	260 mg/l	aquatic organisms	freshwater	short-term (single instance)
propane-1,2-diol	57-55-6	PNEC	26 mg/l	aquatic organisms	marine water	short-term (single instance)
propane-1,2-diol	57-55-6	PNEC	20,000 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
propane-1,2-diol	57-55-6	PNEC	572 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
propane-1,2-diol	57-55-6	PNEC	57.2 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
propane-1,2-diol	57-55-6	PNEC	50 mg/kg	terrestrial organisms	soil	short-term (single instance)
N-(N-butyl)thiophosphoric triamide	94317-64-3	PNEC	0.28 mg/l	unknown	freshwater	not specified
N-(N-butyl)thiophosphoric triamide	94317-64-3	PNEC	0.028 mg/l	unknown	marine water	not specified
N-(N-butyl)thiophosphoric triamide	94317-64-3	PNEC	8.8 mg/l	unknown	sewage treatment plant (STP)	not specified
N-(N-butyl)thiophosphoric triamide	94317-64-3	PNEC	1.51 mg/kg	unknown	freshwater sediment	not specified
N-(N-butyl)thiophosphoric triamide	94317-64-3	PNEC	0.15 mg/kg	unknown	marine sediment	not specified
N-(N-butyl)thiophosphoric triamide	94317-64-3	PNEC	0.94 mg/kg	unknown	soil	not specified
Propylene carbonate	108-32-7	PNEC	0.9 mg/l	aquatic organisms	freshwater	short-term (single instance)
Propylene carbonate	108-32-7	PNEC	0.09 mg/l	aquatic organisms	marine water	short-term (single instance)
Propylene carbonate	108-32-7	PNEC	7,400 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
Propylene carbonate	108-32-7	PNEC	0.81 mg/kg	terrestrial organisms	soil	short-term (single instance)

## 8.2 Exposure controls

Appropriate engineering controls

General ventilation.

Individual protection measures (personal protective equipment)

Use personal protective equipment with CE marking.

Eye/face protection

Wear eye/face protection.

Skin protection



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### - Hand protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Protective gloves should be replaced immediately if damaged or in case of signs of wear.

### - Type of material

NBR: acrylonitrile-butadiene rubber

### - Material thickness

>0,3 mm

### - Breakthrough times of the glove material

for short exposure >120 minutes (permeation: level 4)

for long exposure >480 minutes (permeation: level 6)

### - Other protection measures

Protective clothing against liquid chemicals. Store work clothing separately, away from food, drink and animal feeding stuffs. Provide eye wash fountain or safety shower in work area. Wash hands thoroughly with soap and water after work and before breaks.

### Respiratory protection

Not required under normal conditions of use. Wear respiratory protection in case of aerosol or vapor formation. Full face mask/half mask/quarter mask (EN 136/140). Type: A-P2 (combined filters against particles and organic gases and vapours, colour code: Brown/White).

### Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

## **SECTION 9: Physical and chemical properties**

### **9.1 Information on basic physical and chemical properties**

Physical state	liquid
Colour	yellow
Odour	characteristic
Melting point/freezing point	not determined
Boiling point or initial boiling point and boiling range	>120 °C at 98.8 kPa
Flammability	not applicable
Lower and upper explosion limit	not determined
Flash point	93 °C
Auto-ignition temperature	376 °C
Decomposition temperature	not relevant
pH (value)	6 – 7 (in aqueous solution: 10 <sup>g/l</sup> )
Kinematic viscosity	not determined



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### Solubility(ies)

Water solubility	limited solubility
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### Partition coefficient

Partition coefficient n-octanol/water (log value)	0.444 (20 °C)
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Vapour pressure	20 Pa at 25 °C
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### Density and/or relative density

Density	1.03 – 1.05 g/cm <sup>3</sup> at 25 °C
Relative vapour density	information on this property is not available

Particle characteristics	not relevant - (liquid)
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## 9.2 Other information

Information with regard to physical hazard classes	not relevant
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### Other safety characteristics

Temperature class (EU, acc. to ATEX)	T2 (maximum permissible surface temperature on the equipment: 300 °C)
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## **SECTION 10: Stability and reactivity**

### 10.1 Reactivity

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

### 10.2 Chemical stability

The material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

### 10.3 Possibility of hazardous reactions

No known hazardous reactions.

### 10.4 Conditions to avoid

Instructions for handling and storage: see section 7.

### 10.5 Incompatible materials

acids, oxidisers, reducing agents

### 10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.





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### **SECTION 11: Toxicological information**

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

Test data are not available for the complete mixture.

Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

#### **Classification according to GHS (1272/2008/EC, CLP)**

Acute toxicity

Not classified as a mixture with acute toxicity.

Acute toxicity of components of the mixture					
Name of substance	CAS No	Exposure route	Endpoint	Value	Species
propane-1,2-diol	57-55-6	oral	LD50	22,000 mg/kg	rat
propane-1,2-diol	57-55-6	dermal	LD50	>2,000 mg/kg	rabbit
N-(N-butyl)thiophosphoric triamide	94317-64-3	oral	LD50	3,536 mg/kg	rat
N-(N-butyl)thiophosphoric triamide	94317-64-3	inhalation: dust/ mist	LC50	>2.2 mg/l/4h	rat
N-(N-butyl)thiophosphoric triamide	94317-64-3	dermal	LD50	>2,000 mg/kg	rabbit
Propylene carbonate	108-32-7	oral	LD50	>5,000 mg/kg	rat
Propylene carbonate	108-32-7	dermal	LD50	≥2,000 mg/kg	rabbit

Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

Serious eye damage/eye irritation

Causes serious eye damage.

Respiratory or skin sensitisation

Shall not be classified as a respiratory or skin sensitiser.

Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

Carcinogenicity

Shall not be classified as carcinogenic.

Reproductive toxicity

Suspected of damaging fertility.

Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

Symptoms related to the physical, chemical and toxicological characteristics



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If swallowed:

Causes irritation of the mouth, throat and digestive system

If in eyes:

Irritation, Conjunctival suffusion, Risk of serious damage to eyes, Risk of blindness

If inhaled:

May cause respiratory irritation

If on skin:

Localised redness

### 11.2 Information on other hazards

There is no additional information.

## SECTION 12: Ecological information

### 12.1 Toxicity

Shall not be classified as hazardous to the aquatic environment.

Aquatic toxicity (acute)

Test data are not available for the complete mixture.

Aquatic toxicity (acute) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
propane-1,2-diol	57-55-6	LC50	40,613 mg/l	fish	96 h
propane-1,2-diol	57-55-6	ErC50	34,100 mg/l	algae	48 h
N-(N-butyl)thiophosphoric triamide	94317-64-3	LC50	2,030 mg/l	fish	24 h
N-(N-butyl)thiophosphoric triamide	94317-64-3	EC50	320 mg/l	aquatic invertebrates	24 h
N-(N-butyl)thiophosphoric triamide	94317-64-3	ErC50	530 mg/l	algae	72 h
Propylene carbonate	108-32-7	LC50	>1,000 mg/l	fish	96 h
Propylene carbonate	108-32-7	EC50	>1,000 mg/l	aquatic invertebrates	24 h
Propylene carbonate	108-32-7	ErC50	>900 mg/l	algae	72 h

Aquatic toxicity (chronic)

Test data are not available for the complete mixture.

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
N-(N-butyl)thiophosphoric triamide	94317-64-3	EC50	880 mg/l	microorganisms	3 h
Propylene carbonate	108-32-7	EC50	25,619 mg/l	microorganisms	16 h



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### 12.2 Persistence and degradability

Degradability of components of the mixture				
Name of substance	CAS No	Process	Degradation rate	Time
propane-1,2-diol	57-55-6	oxygen depletion	106.8 %	28 d
propane-1,2-diol	57-55-6	carbon dioxide generation	81.7 %	28 d
propane-1,2-diol	57-55-6	DOC removal	98.3 %	28 d
N-(N-butyl)thiophosphoric triamide	94317-64-3	carbon dioxide generation	9.51 %	28 d
N-(N-butyl)thiophosphoric triamide	94317-64-3	oxygen depletion	8 %	7 d
Propylene carbonate	108-32-7	carbon dioxide generation	70.2 %	9 d

Persistence of components of the mixture				
Name of substance	CAS No	Environmental compartment	Half-life	Notes
N-(N-butyl)thiophosphoric triamide	94317-64-3	freshwater	92 d	hydrolysis

### 12.3 Bioaccumulative potential

Bioaccumulation is not expected.

Bioaccumulative potential of components of the mixture				
Name of substance	CAS No	BCF	Log KOW	BOD5/COD
propane-1,2-diol	57-55-6		-1.07 (20.5 °C)	
N-(N-butyl)thiophosphoric triamide	94317-64-3		0.444 (20 °C)	0.4853
Propylene carbonate	108-32-7		-0.41 (pH value: 7, 20 °C)	

### 12.4 Mobility in soil

Data are not available.

### 12.5 Results of PBT and vPvB assessment

The substance does not meet the PBT/vPvB criteria according to REACH, annex XIII.

### 12.6 Endocrine disrupting properties

None of the ingredients are listed.

### 12.7 Other adverse effects

Data are not available.



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### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods

Waste should be recovered or disposed of in authorized incineration plants or waste facilities in accordance with applicable regulations.

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

Waste treatment of containers/packagings

Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

#### Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

### SECTION 14: Transport information

- |      |  |   |
|------|--|---|
| 14.1 | <b>UN number or ID number</b>                                  | not assigned  |
| 14.2 | <b>UN proper shipping name</b>                                 | not assigned  |
| 14.3 | <b>Transport hazard class(es)</b>                              | not assigned  |
| 14.4 | <b>Packing group</b>   | not assigned  |
| 14.5 | <b>Environmental hazards</b>                                   | non-environmentally hazardous acc. to the dangerous goods regulations |
| 14.6 | <b>Special precautions for user</b>                            | There is no additional information.                                   |
| 14.7 | <b>Maritime transport in bulk according to IMO instruments</b> | The cargo is not intended to be carried in bulk.                      |

#### Information for each of the UN Model Regulations

##### **International Maritime Dangerous Goods Code (IMDG) - Additional information**

Not subject to IMDG.

##### **International Civil Aviation Organization (ICAO-IATA/DGR) - Additional information**

Not subject to ICAO-IATA.

### SECTION 15: Regulatory information

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

##### **Relevant provisions of the European Union (EU)**

##### **Restrictions according to REACH, Annex XVII**

the product and listed ingredients are subject to the following restrictions, according to REACH Annex XVII. None of these restrictions are applicable for the identified use of the product



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Dangerous substances with restrictions (REACH, Annex XVII)			
Name of substance	Name acc. to inventory	CAS No	No
moNolith46®_Yellow™	this product meets the criteria for classification in accordance with Regulation No 1272/2008/EC		3
Propylene carbonate	substances in tattoo inks and permanent make-up		75
N-(N-butyl)thiophosphoric triamide	substances in tattoo inks and permanent make-up		75

### List of substances subject to authorisation (REACH, Annex XIV) / SVHC - candidate list

none of the ingredients are listed

### Regulation concerning the establishment of a European Pollutant Release and Transfer Register (PRTR)

none of the ingredients are listed

### Water Framework Directive (WFD)

none of the ingredients are listed

List of pollutants (WFD)			
Name of substance	Name acc. to inventory	CAS No	Listed in
N-(N-butyl)thiophosphoric triamide	Organophosphorous compounds		a)
N-(N-butyl)thiophosphoric triamide	Substances and preparations, or the breakdown products of such, which have been proved to possess carcinogenic or mutagenic properties or properties which may affect steroidogenic, thyroid, reproduction or other endocrine-related functions in or via the aquatic environment		a)

#### Legend

A) Indicative list of the main pollutants

### Regulation on persistent organic pollutants (POP)

None of the ingredients are listed.

## 15.2 Chemical Safety Assessment

For the substances of this mixture a chemical safety assessment has been carried out. For ingredients classified as hazardous, an exposure assessment has been carried out for use in fertilising products.

## SECTION 16: Other information

### Abbreviations and acronyms

Abbr.	Descriptions of used abbreviations
ADR	Accord relatif au transport international des marchandises dangereuses par route (Agreement concerning the International Carriage of Dangerous Goods by Road)
BCF	Bioconcentration factor
BOD	Biochemical Oxygen Demand
CAS	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)
Ceiling-C	Ceiling value
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
COD	Chemical oxygen demand



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Abbr.	Descriptions of used abbreviations
DGR	Dangerous Goods Regulations (see IATA/DGR)
DNEL	Derived No-Effect Level
EC50	Effective Concentration 50 %. The EC50 corresponds to the concentration of a tested substance causing 50 % changes in response (e.g. on growth) during a specified time interval
EC No	The EC Inventory (EINECS, ELINCS and the NLP-list) is the source for the seven-digit EC number, an identifier of substances commercially available within the EU (European Union)
EINECS	European Inventory of Existing Commercial Chemical Substances
ELINCS	European List of Notified Chemical Substances
ErC50	≡ EC50: in this method, that concentration of test substance which results in a 50 % reduction in either growth (EbC50) or growth rate (ErC50) relative to the control
Eye Dam.	Seriously damaging to the eye
Eye Irrit.	Irritant to the eye
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations
IATA	International Air Transport Association
IATA/DGR	Dangerous Goods Regulations (DGR) for the air transport (IATA)
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods Code
index No	The Index number is the identification code given to the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008
LC50	Lethal Concentration 50%: the LC50 corresponds to the concentration of a tested substance causing 50 % lethality during a specified time interval
LD50	Lethal Dose 50 %: the LD50 corresponds to the dose of a tested substance causing 50 % lethality during a specified time interval
log KOW	n-Octanol/water
NLP	No-Longer Polymer
PBT	Persistent, Bioaccumulative and Toxic
PNEC	Predicted No-Effect Concentration
ppm	Parts per million
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
Repr.	Reproductive toxicity
RID	Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regulations concerning the International carriage of Dangerous goods by Rail)
S.I. No. 619 of 2001	Safety, Health and Welfare at Work (Chemical Agents) Regulations 2001
STEL	Short-term exposure limit
SVHC	Substance of Very High Concern
TWA	Time-weighted average
vPvB	Very Persistent and very Bioaccumulative

### Key literature references and sources for data

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures. Regulation (EC) No. 1907/2006 (REACH), amended by 2020/878/EU.



# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

## moNolith46®\_Yellow™

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Agreement concerning the International Carriage of Dangerous Goods by Road (ADR). Regulations concerning the International Carriage of Dangerous Goods by Rail (RID). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

### Classification procedure

Physical and chemical properties: The classification is based on tested mixture.

Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

### List of relevant phrases (code and full text as stated in section 2 and 3)

Code	Text
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H361f	Suspected of damaging fertility.

### Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.