BloomchemAG	MATERIAL SAFETY DATA SHEET	MSDS No.	01
	MALEIC ANHYDRIDE	Effective From	26-11-2020

1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifiers

Product name	: Maleic anhydride
Product Number	: 63200
Index-No.	: 607-096-00-9
CAS-No.	: 108-31-6
EC No.	: 203-571-6
REACH Registration No.	: 01- 2120813754-54-XXXX

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

Identified uses : Laboratory chemicals, Synthesis of substances

1.3 Details of the supplier of the safety data sheet

Company	: Bloomchemag bv : Sint-Antoniusstraat 16 b1 B-2400, Mol, Belgium
Telephone	: +91 120 4659134
E-mail	: info@bloomchemag.com

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS) Acute toxicity, Oral (Category 4), H302 Skin corrosion (Category 1B), H314 Serious eye damage (Category 1), H318 Respiratory sensitisation (Category 1), H334 Skin sensitisation (Category 1), H317 Specific target organ toxicity - repeated exposure, Inhalation (Category 1), Respiratory system, H372 Specific target organ toxicity - repeated exposure, Oral (Category 2), Kidney, H373 Acute aquatic toxicity (Category 3), H402

For the full text of the H-Statements mentioned in this Section, see Section 16.

2.2 GHS Label elements, including precautionary statements

Pictogram



Signal word	Danger
Hazard statement(s) H302 H314 H317	Harmful if swallowed. Causes severe skin burns and eye damage. May cause an allergic skin reaction.
H318 H334	Causes serious eye damage. May cause allergy or asthma symptoms or breathing difficulties if inhaled.

	MATERIAL SAFETY DATA SHEET		
	MATERIAL SAFETT DATA SHEET	MSDS No.	01
BloomchemAG			
BioonichemAG			
	MALEIC ANHYDRIDE	Effective From	26-11-2020
H372	Causes damage to organs (/\$/*_ORG_		
11372	or repeated exposure if inhaled.		ugn proiongeu
H373	May cause damage to organs (/\$/*_OR	G REP ORAL/\$/)	through
	prolonged or repeated exposure if swal		5
H402	Harmful to aquatic life.		
Precautionary statement(s)			
P260	Do not breathe dust/ fume/ gas/ mist/ va	nours/sprav	
P264	Wash skin thoroughly after handling.	ipours/ spray.	
		this product	
P270	Do not eat, drink or smoke when using		
P272	Contaminated work clothing should not	be allowed out of th	he workplace.
P273	Avoid release to the environment.		
P280	Wear protective gloves/ protective cloth	ing/ eye protection/	face
	protection.		
P285	In case of inadequate ventilation wear r	espiratory protectio	on.
P301 + P312 + P330	IF SWALLOWED: Call a POISON CEN		
	Rinse mouth.		
D201 + D220 + D224			
P301 + P330 + P331	IF SWALLOWED: Rinse mouth. Do NO		1.1.0.1
P303 + P361 + P353	IF ON SKIN (or hair): Take off immedia	tely all contaminate	a clothing.
	Rinse skin with water/shower.		
P304 + P340 + P310	IF INHALED: Remove person to fresh a	iir and keep comfor	table for
	breathing. Immediately call a POISON	CENTER/doctor.	
P305 + P351 + P338 + P31	OIF IN EYES: Rinse cautiously with water for	several minutes. Re	emove
	contact lenses, if present and easy to d		
	call a POISON CENTER/doctor.	J	· · · · · · · · · · · · · · · · · · ·
D333 + D313		ical advice/ attentio	n
P333 + P313	If skin irritation or rash occurs: Get med		
P342 + P311	If skin irritation or rash occurs: Get med If experiencing respiratory symptoms: C	all a POISON CEN	
P342 + P311 P363	If skin irritation or rash occurs: Get med If experiencing respiratory symptoms: C Wash contaminated clothing before reu	all a POISON CEN	
P342 + P311 P363 P405	If skin irritation or rash occurs: Get med If experiencing respiratory symptoms: C Wash contaminated clothing before reu Store locked up.	all a POISON CEN se.	ITER/doctor.
P342 + P311 P363	If skin irritation or rash occurs: Get med If experiencing respiratory symptoms: C Wash contaminated clothing before reu	all a POISON CEN se.	ITER/doctor.
P342 + P311 P363 P405 P501	If skin irritation or rash occurs: Get med If experiencing respiratory symptoms: C Wash contaminated clothing before reu Store locked up. Dispose of contents/ container to an ap	all a POISON CEN se.	ITER/doctor.
P342 + P311 P363 P405 P501 azards not otherwise classif	If skin irritation or rash occurs: Get med If experiencing respiratory symptoms: C Wash contaminated clothing before reu Store locked up. Dispose of contents/ container to an ap	all a POISON CEN se.	ITER/doctor.
P342 + P311 P363 P405 P501 azards not otherwise classif Corrosive to the respiratory	If skin irritation or rash occurs: Get med If experiencing respiratory symptoms: C Wash contaminated clothing before reu Store locked up. Dispose of contents/ container to an ap	all a POISON CEN se.	ITER/doctor.
P342 + P311 P363 P405 P501 azards not otherwise classif	If skin irritation or rash occurs: Get med If experiencing respiratory symptoms: C Wash contaminated clothing before reu Store locked up. Dispose of contents/ container to an ap	all a POISON CEN se.	ITER/doctor.
P342 + P311 P363 P405 P501 azards not otherwise classif Corrosive to the respiratory Sternutator.	If skin irritation or rash occurs: Get med If experiencing respiratory symptoms: C Wash contaminated clothing before reu Store locked up. Dispose of contents/ container to an ap fied (HNOC) or not covered by GHS tract.	all a POISON CEN se.	ITER/doctor.
P342 + P311 P363 P405 P501 azards not otherwise classif Corrosive to the respiratory Sternutator.	If skin irritation or rash occurs: Get med If experiencing respiratory symptoms: C Wash contaminated clothing before reu Store locked up. Dispose of contents/ container to an ap fied (HNOC) or not covered by GHS tract.	all a POISON CEN se.	ITER/doctor.
P342 + P311 P363 P405 P501 azards not otherwise classif Corrosive to the respiratory Sternutator. OMPOSITION/INFORMATION ubstances	If skin irritation or rash occurs: Get med If experiencing respiratory symptoms: C Wash contaminated clothing before reu Store locked up. Dispose of contents/ container to an ap fied (HNOC) or not covered by GHS tract.	all a POISON CEN se.	ITER/doctor.
P342 + P311 P363 P405 P501 azards not otherwise classif Corrosive to the respiratory Sternutator.	If skin irritation or rash occurs: Get med If experiencing respiratory symptoms: C Wash contaminated clothing before reu Store locked up. Dispose of contents/ container to an ap fied (HNOC) or not covered by GHS tract.	all a POISON CEN se.	ITER/doctor.
P342 + P311 P363 P405 P501 azards not otherwise classif Corrosive to the respiratory Sternutator. OMPOSITION/INFORMATION ubstances Synonyms	If skin irritation or rash occurs: Get med If experiencing respiratory symptoms: C Wash contaminated clothing before reu Store locked up. Dispose of contents/ container to an ap fied (HNOC) or not covered by GHS tract.	all a POISON CEN se.	ITER/doctor.
P342 + P311 P363 P405 P501 azards not otherwise classif Corrosive to the respiratory Sternutator. OMPOSITION/INFORMATION ubstances Synonyms Formula	If skin irritation or rash occurs: Get med If experiencing respiratory symptoms: C Wash contaminated clothing before reu Store locked up. Dispose of contents/ container to an ap fied (HNOC) or not covered by GHS tract.	all a POISON CEN se.	ITER/doctor.
P342 + P311 P363 P405 P501 azards not otherwise classif Corrosive to the respiratory Sternutator. OMPOSITION/INFORMATION ubstances Synonyms Formula Molecular weight	If skin irritation or rash occurs: Get med If experiencing respiratory symptoms: C Wash contaminated clothing before reu Store locked up. Dispose of contents/ container to an ap fied (HNOC) or not covered by GHS tract. N ON INGREDIENTS : 2,5-Furandione : C4H2O3 : 98.06 g/mol	all a POISON CEN se.	ITER/doctor.
P342 + P311 P363 P405 P501 azards not otherwise classif Corrosive to the respiratory Sternutator. OMPOSITION/INFORMATION ubstances Synonyms Formula Molecular weight CAS-No.	If skin irritation or rash occurs: Get med If experiencing respiratory symptoms: C Wash contaminated clothing before reu Store locked up. Dispose of contents/ container to an ap fied (HNOC) or not covered by GHS tract. N ON INGREDIENTS : 2,5-Furandione : C4H2O3 : 98.06 g/mol : 108-31-6	all a POISON CEN se.	ITER/doctor.
P342 + P311 P363 P405 P501 azards not otherwise classif Corrosive to the respiratory Sternutator. OMPOSITION/INFORMATION ubstances Synonyms Formula Molecular weight	If skin irritation or rash occurs: Get med If experiencing respiratory symptoms: C Wash contaminated clothing before reu Store locked up. Dispose of contents/ container to an ap fied (HNOC) or not covered by GHS tract. N ON INGREDIENTS : 2,5-Furandione : C4H2O3 : 98.06 g/mol	all a POISON CEN se.	ITER/doctor.
P342 + P311 P363 P405 P501 azards not otherwise classif Corrosive to the respiratory Sternutator. OMPOSITION/INFORMATION ubstances Synonyms Formula Molecular weight CAS-No. EC-No.	If skin irritation or rash occurs: Get med If experiencing respiratory symptoms: C Wash contaminated clothing before reu Store locked up. Dispose of contents/ container to an ap fied (HNOC) or not covered by GHS tract. NON INGREDIENTS : 2,5-Furandione : C4H2O3 : 98.06 g/mol : 108-31-6 : 203-571-6	all a POISON CEN se.	ITER/doctor.
P342 + P311 P363 P405 P501 azards not otherwise classif Corrosive to the respiratory Sternutator. OMPOSITION/INFORMATION ubstances Synonyms Formula Molecular weight CAS-No. EC-No. Index-No.	If skin irritation or rash occurs: Get med If experiencing respiratory symptoms: C Wash contaminated clothing before reu Store locked up. Dispose of contents/ container to an ap fied (HNOC) or not covered by GHS tract. N ON INGREDIENTS : 2,5-Furandione : C4H2O3 : 98.06 g/mol : 108-31-6	all a POISON CEN se.	ITER/doctor.
P342 + P311 P363 P405 P501 azards not otherwise classif Corrosive to the respiratory Sternutator. OMPOSITION/INFORMATION ubstances Synonyms Formula Molecular weight CAS-No. EC-No. Index-No. Hazardous components	If skin irritation or rash occurs: Get med If experiencing respiratory symptoms: C Wash contaminated clothing before reu Store locked up. Dispose of contents/ container to an ap fied (HNOC) or not covered by GHS tract. NON INGREDIENTS : 2,5-Furandione : C4H2O3 : 98.06 g/mol : 108-31-6 : 203-571-6 : 607-096-00-9	call a POISON CEN se. proved waste dispo	ITER/doctor.
P342 + P311 P363 P405 P501 azards not otherwise classif Corrosive to the respiratory Sternutator. OMPOSITION/INFORMATION ubstances Synonyms Formula Molecular weight CAS-No. EC-No. Index-No. Hazardous components Component	If skin irritation or rash occurs: Get med If experiencing respiratory symptoms: C Wash contaminated clothing before reu Store locked up. Dispose of contents/ container to an ap fied (HNOC) or not covered by GHS tract. NON INGREDIENTS : 2,5-Furandione : C4H2O3 : 98.06 g/mol : 108-31-6 : 203-571-6	call a POISON CEN se. proved waste dispo	ITER/doctor.
P342 + P311 P363 P405 P501 azards not otherwise classif Corrosive to the respiratory Sternutator. OMPOSITION/INFORMATION ubstances Synonyms Formula Molecular weight CAS-No. EC-No. Index-No. Hazardous components	If skin irritation or rash occurs: Get med If experiencing respiratory symptoms: C Wash contaminated clothing before reu Store locked up. Dispose of contents/ container to an ap fied (HNOC) or not covered by GHS tract. NON INGREDIENTS : 2,5-Furandione : C4H2O3 : 98.06 g/mol : 108-31-6 : 203-571-6 : 607-096-00-9 Classification	call a POISON CEN se. proved waste dispo	ITER/doctor.
P342 + P311 P363 P405 P501 azards not otherwise classif Corrosive to the respiratory Sternutator. OMPOSITION/INFORMATION ubstances Synonyms Formula Molecular weight CAS-No. EC-No. Index-No. Hazardous components Component	If skin irritation or rash occurs: Get med If experiencing respiratory symptoms: C Wash contaminated clothing before reu Store locked up. Dispose of contents/ container to an ap fied (HNOC) or not covered by GHS tract. NON INGREDIENTS : 2,5-Furandione : C4H2O3 : 98.06 g/mol : 108-31-6 : 203-571-6 : 607-096-00-9 Classification	call a POISON CEN se. proved waste dispo	ITER/doctor.
P342 + P311 P363 P405 P501 azards not otherwise classif Corrosive to the respiratory Sternutator. OMPOSITION/INFORMATION ubstances Synonyms Formula Molecular weight CAS-No. EC-No. Index-No. Hazardous components Component	If skin irritation or rash occurs: Get med If experiencing respiratory symptoms: C Wash contaminated clothing before reu Store locked up. Dispose of contents/ container to an ap fied (HNOC) or not covered by GHS tract. NON INGREDIENTS : 2,5-Furandione : C4H2O3 : 98.06 g/mol : 108-31-6 : 203-571-6 : 607-096-00-9 Classification	call a POISON CEN se. proved waste dispo	ITER/doctor.
P342 + P311 P363 P405 P501 azards not otherwise classif Corrosive to the respiratory Sternutator. OMPOSITION/INFORMATION ubstances Synonyms Formula Molecular weight CAS-No. EC-No. Index-No. Hazardous components Component	If skin irritation or rash occurs: Get med If experiencing respiratory symptoms: C Wash contaminated clothing before reu Store locked up. Dispose of contents/ container to an ap fied (HNOC) or not covered by GHS tract. NON INGREDIENTS : 2,5-Furandione : C4H2O3 : 98.06 g/mol : 108-31-6 : 203-571-6 : 607-096-00-9 Classification Acute Tox. 4; S Eye Dam. 1; R	Call a POISON CEN se. proved waste dispo cover waste dispo cover and the second	ITER/doctor.
P342 + P311 P363 P405 P501 azards not otherwise classif Corrosive to the respiratory Sternutator. OMPOSITION/INFORMATION ubstances Synonyms Formula Molecular weight CAS-No. EC-No. Index-No. Hazardous components Component	If skin irritation or rash occurs: Get med If experiencing respiratory symptoms: C Wash contaminated clothing before reu Store locked up. Dispose of contents/ container to an ap fied (HNOC) or not covered by GHS tract. NON INGREDIENTS : 2,5-Furandione : C4H2O3 : 98.06 g/mol : 108-31-6 : 203-571-6 : 607-096-00-9 Classification Acute Tox. 4; S Eye Dam. 1; R Skin Sens. 1; S	Call a POISON CEN se. proved waste dispo Skin Corr. 1B; esp. Sens. 1; STOT RE 1;	ITER/doctor.
P342 + P311 P363 P405 P501 azards not otherwise classif Corrosive to the respiratory Sternutator. OMPOSITION/INFORMATION ubstances Synonyms Formula Molecular weight CAS-No. EC-No. Index-No. Hazardous components Component	If skin irritation or rash occurs: Get med If experiencing respiratory symptoms: C Wash contaminated clothing before reu Store locked up. Dispose of contents/ container to an ap fied (HNOC) or not covered by GHS tract. NON INGREDIENTS : 2,5-Furandione : C4H2O3 : 98.06 g/mol : 108-31-6 : 203-571-6 : 607-096-00-9 Classification Acute Tox. 4; S Eye Dam. 1; R Skin Sens. 1; S STOT RE 2; Ad	Skin Corr. 1B; esp. Sens. 1; GTOT RE 1; quatic Acute 3;	ITER/doctor.
P342 + P311 P363 P405 P501 azards not otherwise classif Corrosive to the respiratory Sternutator. OMPOSITION/INFORMATION ubstances Synonyms Formula Molecular weight CAS-No. EC-No. Index-No. Hazardous components Component	If skin irritation or rash occurs: Get med If experiencing respiratory symptoms: C Wash contaminated clothing before reu Store locked up. Dispose of contents/ container to an ap fied (HNOC) or not covered by GHS tract. NON INGREDIENTS : 2,5-Furandione : C4H2O3 : 98.06 g/mol : 108-31-6 : 203-571-6 : 607-096-00-9 Classification Acute Tox. 4; S Eye Dam. 1; R Skin Sens. 1; S	Skin Corr. 1B; esp. Sens. 1; GTOT RE 1; quatic Acute 3; 317, H318,	ITER/doctor.

BloomchemAG	MATERIAL SAFETY DATA SHEET	MSDS No.	01
ObioonichemAd	MALEIC ANHYDRIDE	Effective From	26-11-2020

For the full text of the H-Statements mentioned in this Section, see Section 16.

BloomchemAG	MATERIAL SAFETY DATA SHEET	MSDS No.	01
	MALEIC ANHYDRIDE	Effective From	26-11-2020

4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a

physician. In case of skin contact

Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.Continue rinsing eyes during transport to hospital.

If swallowed

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

- **4.2** Most important symptoms and effects, both acute and delayed The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11
- 4.3 Indication of any immediate medical attention and special treatment needed No data available

5. FIREFIGHTING MEASURES

Extinguishing media

- 5.1 Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- 5.2 Special hazards arising from the substance or mixture: Carbon oxides
- 5.3 Advice for fire fighters: Wear self-contained breathing apparatus for firefighting if necessary
- 5.4 Further information: No data available

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. For personal protection see section 8.

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

- 6.3 Methods and materials for containment and cleaning up Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.
- 6.4 Reference to other sections: For disposal see section 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Further processing of solid materials may result in the formation of combu formation should be taken into consideration before additional processing Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.2.

BloomchemAG			MATERIAL	SAFETY DATA SHEET	MSDS No.	01
		AG	MALE	IC ANHYDRIDE	Effective From	26-11-2020
	Conditions for safe s Keep container tight	•		•		
	Moisture sensitive.					
	Specific end use(s) Apart from the uses mentioned in section 1.2 no other specific uses are stipulated					
	OSURE CONTROLS	5				
ſ	Components with v Component	CAS-No.	Value	Control	Basis	
	Component	0/10-110.	value	parameters	2000	
	Maleic anhydride	108-31-6	TWA	0.100000 ppm	USA. ACGIH Thres (TLV)	shold Limit Values
	Remarks		Adopted v are propo See Notic	sed in the NIC e of Intended Chang fiable as a human ca	nclosed are those for es (NIC)	which changes
			TWA	0.250000 ppm 1.000000 mg/m3	USA. Occupational (OSHA) - Table Z-1 Contaminants	
				in mg/m3 is approxi		
			TWA	0.250000 ppm 1.000000 mg/m3	USA. NIOSH Reco Exposure Limits	mmended
			TWA	0.010000 ppm	USA. ACGIH Thres (TLV)	shold Limit Values
			Adopted v are propo See Notic	sed in the NIC e of Intended Chang fiable as a human ca		which changes
ľ			TWA	0.01 ppm	USA. ACGIH Thres (TLV)	shold Limit Values
			Respirato Respirato 2015 Ado	ensitization ry sensitization ry sensitization ption fiable as a human ca		
I	Personal protective	e with good ir equipment Face shield	Is ndustrial hygie and safety gla	ene and safety practionses Use equipment	ce. Wash hands befor for eye protection tes	

glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Full contact

Material: Nitrile rubber

BloomchemAG		MATERIAL SAFETY DATA SHEET	MSDS No.	01
		MALEIC ANHYDRIDE	Effective From	26-11-2020
	data source: KCL Gmbl EN374 If used in solution, or m the supplier of the CE a) min il® (KCL 740 / Aldrich Z677272, Size M) H, D-36124 Eichenzell, phone +49 (0)6659 8 ixed with other substances, and under cond pproved gloves. This recommendation is ad ticipated use by our customers. It should not	itions which differ f Ivisory only and m	from EN 374, cor ust be evaluated
PHYSIC	the concentration and a Respiratory protection Where risk assessment backup to engineering of and approved under ap Control of environment	shows air-purifying respirators are appropri controls. If th full-face supplied air respirator, propriate government standards such as Ne ntal exposure or spillage if safe to do so. Do not let produ e avoided.	oecific workplace. ate use (EN 143) r . Use respirators a OSH (US) or CEN	respirator cartrido nd components t (EU).
Infor	mation on basic physica	I and chemical properties		
a)	Appearance	Form: solid Colour: white		
b)	Odour	No data available		
c)	Odour Threshold	No data available		
d)	рН	No data available		
	Melting point/freezing point	Melting point/range: 52 - 54 °C (126 - 129 ° Melting point/range: 51 - 56 °C (124 - 133 °		
,	Initial boiling point and boiling range	200 °C (392 °F) - lit.		
g)	Flash point	()No data available		
h)	Evaporation rate	No data available		
i)	Flammability (solid, gas)	No data available		
	Upper/lower flammability or explosive limits	No data available		
k)	Vapour pressure	0.2 hPa at 22 °C (72 °F) - OECD Test Guid	eline 104	
I)	Vapour density	No data available		
m)	Relative densitv	1.48 g/cm3 at 20 °C (68 °F) -		

- m) Relative density 1.48 g/cm3 at 20 °C (68 °F) -
- n) Water solubility No data available
- o) Partition coefficient: n- log Pow: -2.609 at 20 °C (68 °F) OECD Test Guideline 107 octanol/water
 p) Auto-ignition temp. No data available
- a) Decomposition No data available
- q) Decomposition No data available

(BloomchemAG	MATERIAL SAFETY DATA SHEET	MSDS No.	01
	BIOOMCHEMAG	MALEIC ANHYDRIDE	Effective From	26-11-2020
	temperature			
	r) Viscosity	No data available		
	s) Explosive properties	No data available		
	t) Oxidizing properties	No data available		
9.2	Other safety information No data available			
10. S [.]		,		
10.1	Reactivity: No data availa	ble		
10.2	Chemical stability: Stable u	nder recommended storage conditions		
10.3	Possibility of hazardous re	actions: No data available		
10.4	Conditions to avoid: No d	ata available		
10.5	Incompatible materials Strong oxidizing agents, Stro	ng acids, Strong bases, Strong reducing agents	, Alkali metals, Amir	nes
10.6	Hazardous decomposition products Hazardous decomposition products formed under fire conditions Carbon oxides Other decomposition products - No data available In the event of fire: see section 5			
11. T	OXICOLOGICAL INFORMA	TION		
11.1	Information on toxicologica	Il effects		
	Acute toxicity LD50 Oral - Rat - male and female - 1,090 mg/kg(Maleic anhydride) (OECD Test Guideline 401) LC50 Inhalation - Rat - 1 h - > 4.35 mg/l(Maleic anhydride) LD50 Dermal - Rabbit - female - 2,620 mg/kg(Maleic anhydride) No data available(Maleic anhydride)			
	Skin corrosion/irritation Skin - Rabbit(Maleic anhyd Result: Causes burns 4 h	ide)		
	Serious eye damage/eye irritation Eyes - Rabbit(Maleic anhydride) Result: Corrosive			
	Respiratory or skin sensitisation - Rat(Maleic anhydride) Result: May cause sensitisation by inhalation. Buehler Test - Guinea pig(Maleic anhydride) Result: May cause sensitisation by skin contact. (OECD Test Guideline 406)			
	Germ cell mutagenicity Ames test(Maleic anhydride Salmonella typhimurium Result: negative OECD Test Guideline 475(I Rat - male and female			

BloomchemAG	MATERIAL SAFETY DATA SHEET	MSDS No.	01	
Bioonichemag	MALEIC ANHYDRIDE	Effective From	26-11-2020	

Result: negative

Carcinogenicity

- IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
- NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
- OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity

Specific target organ toxicity - single exposure

No data available(Maleic anhydride)

Specific target organ toxicity - repeated exposure

Inhalation - Causes damage to organs through prolonged or repeated exposure. - Respiratory system Oral - May cause damage to organs through prolonged or repeated exposure. - Kidney

Aspiration hazard

No data available(Maleic anhydride)

Additional Information

Repeated dose toxicity - Rat - male - Lowest observed adverse effect level - 250 mg/kg(Maleic anhydride) RTECS: ON3675000

Cough, Shortness of breath, Headache, Nausea, Vomiting(Maleic anhydride) To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.(Maleic anhydride)

12. ECOLOGICAL INFORMATION

12.1 Toxicity

	Toxicity to fish	static test LC50 - Oncorhynchus mykiss (rainbow trout) - 75 mg/l - 96 h(Maleic anhydride)				
Toxicity to daphnia and other aquatic invertebrates Toxicity to algae		static test EC50 - Daphnia magna (Water flea) - 330 mg/l - 48 h(Maleic anhydride)				
		Growth inhibition EC50 - Selenastrum capricornutum (green algae) - > 150 mg/l - 72 h(Maleic anhydride) (OECD Test Guideline 201)				
	Toxicity to bacteria	EC10 - Pseudomonas putida - 44.6 mg/l - 18 h(Maleic anhydride) (DIN 38 412 Part 8)				
12.2	Persistence and degrada	ability				
	Biodegradability	Biotic/Aerobic - Exposure time 28 d(Maleic anhydride) Result: 73 - 81 % - Readily biodegradable.				
12.3	Bioaccumulative poten					
12.4	······································					
12.5						
40.04	PBT/vPvB assessment not available as chemical safety assessment not required/not conducted					
12.60	Other adverse effects					
	Harmful to aquatic life.	I cannot be excluded in the event of unprofessional handling or disposal.				

BloomchemAG	MATERIAL SAFETY DA	ATA SHEET	MSDS No.	01
BIOOMCNEMAG	MALEIC ANHYD	PRIDE	Effective From	26-11-2020
DISPOSAL CONSIDERATIONS				11
Waste treatment methods				
Product Offer surplus and non-recyclab disposal service to dispose of t chem scrubber.				
Contaminated packaging Dispose of as unused product.				
TRANSPORT INFORMATION				
DOT (US) UN number: 2215 Class: 8 Proper shipping name: Maleic a Reportable Quantity (RQ)	nhydride	group: III		
Poison Inhalation Hazard: No				
IMDG UN number: 2215 Class: 8 Proper shipping name: MALEIC		group: III	EMS-No: F-A	а, S-B
IATA UN number: 2215 Class: 8 Proper shipping name: Maleic a		group: III		
REGULATORY INFORMATION				
SARA 302 Components No chemicals in this material a	e subject to the reporting r	equirements of SAI	RA Title III, Se	ction 302.
SARA 313 Components The following components are	subject to reporting levels e	stablished by SAR CAS-No.		tion 313: ision Date
Maleic anhydride		108-31-6	-	3-04-24
Massachusetts Right To Kno	w Components			
Maleic anhydride		CAS-No. 108-31-6		ision Date 3-04-24
Pennsylvania Right To Know	Components		_	
Maleic anhydride		CAS-No. 108-31-6		ision Date 3-04-24
New Jersey Right To Know C	omponents		Der	ision Data
Maleic anhydride		CAS-No. 108-31-6		rision Date 3-04-24
California Prop. 65 Compone This product does not contain a			cause cancer, l	birth defects, or any

16. OTHER INFORMATION

Full text of H-Statements referred to under sections 2 and 3. Harmful if swallowed.

H302

GPL	oomchemAG	MATERIAL SAFETY DATA SHEET	MSDS No.	01
	Joinchemag	MALEIC ANHYDRIDE	Effective From 26-11-2020	
H314	Causes severe sk	in burns and eye damage.		
H317	May cause an alle	, ,		
H318	Causes serious e	/e damage.		
H334	May cause allergy	or asthma symptoms or breathing difficu	lties if inhaled.	
H372		o organs through prolonged or repeated e		
H372	Causes damage to exposure if inhale	o organs (/\$/*_ORG_REP_INHA/\$/) throu d.	gh prolonged or rep	peated
H373	May cause damag	e to organs through prolonged or repeate	ed exposure if swall	owed.
H373		ge to organs (/\$/*_ORG_REP_ORAL/\$/) tl		
L102		lifo		

H402 Harmful to aquatic life.

HMIS Rating

Health hazard:	3
Chronic Health Hazard:	
Flammability:	0
Physical Hazard	0
NFPA Rating	
NFPA Rating Health hazard:	3
0	3 0

Further information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.