

Safety Data Sheet

according to Regulation (EC) No 1907/2006

GRIP MAXIMIZER 3.0 ORANGE POWER

Revision date: 25.10.2023

Product code: 4000069-19

Page 1 of 16

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

1.1. Product identifier

GRIP MAXIMIZER 3.0 ORANGE POWER

UFI: K8UH-V19P-M3J8-VGHR

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

Use of the substance/mixture

Professional use of laundry products

1.3. Details of the supplier of the safety data sheet

Company name: Catch & Keep GmbH
Christopher Kleiner
Street: Ebinger Str. 4
Place: D-72479 Straßberg
Telephone: 07434 7390328
E-mail: kontakt@catchandkeep.de
Contact person: Kundenservice
E-mail: kontakt@catchandkeep.de
Internet: www.catchandkeep.de

1.4. Emergency telephone number:

07434 7419810

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Eye Irrit. 2; H319
Aquatic Chronic 3; H412

Full text of hazard statements: see SECTION 16.

2.2. Label elements

Regulation (EC) No 1272/2008

Signal word: Warning

Pictograms:



Hazard statements

H319 Causes serious eye irritation.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P102 Keep out of reach of children.
P280 Wear eye protection/face protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists: Get medical advice/attention.
P273 Avoid release to the environment.
P501 Dispose of containers only when they are completely empty for collection of recyclables.
P101 If medical advice is needed, have product container or label at hand.

Special labelling of certain mixtures

EUH208 Contains Limonene. May produce an allergic reaction.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

GRIP MAXIMIZER 3.0 ORANGE POWER

Revision date: 25.10.2023

Product code: 4000069-19

Page 2 of 16

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Relevant ingredients

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No 1272/2008)			
	sodium alkylbenzenesulfonate			5 - < 10 %
	932-051-8		01-2119565112-48	
	Skin Irrit. 2, Eye Dam. 1, Aquatic Chronic 3; H315 H318 H412			
68891-38-3	Alcohols, C12-14, ethoxylated, sulfates, sodium salts (> 1 < 2,5 mol EO)			1 - < 5 %
	500-234-8		01-2119488639-16	
	Skin Irrit. 2, Eye Dam. 1, Aquatic Chronic 3; H315 H318 H412			
64-17-5	Ethanol			1 - < 5 %
	200-578-6			
	Flam. Liq. 2, Eye Irrit. 2; H225 H319			
97862-59-4	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 acyl derivs., hydroxides, inner salts			1 - < 5 %
	931-296-8		01-2119488533-30	
	Eye Dam. 1, Aquatic Chronic 3; H318 H412			
5989-27-5	Limonene			< 1 %
	227-813-5		01-2119529223-47	
	Flam. Liq. 3, Skin Irrit. 2, Skin Sens. 1, Asp. Tox. 1, Aquatic Acute 1, Aquatic Chronic 3; H226 H315 H317 H304 H400 H412			
52-51-7	2-bromo-2-nitropropane-1,3-diol			< 0.1 %
	200-143-0		01-2119980938-15	
	Acute Tox. 4, Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1, STOT SE 3, Aquatic Acute 1, Aquatic Chronic 1; H312 H302 H315 H318 H335 H400 H410			
78-93-3	butanone ethyl methyl ketone			< 0.1 %
	201-159-0		01-2119457290-43	
	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336 EUH066			
2634-33-5	1,2-Benzisothiazol-3(2H)-one (BIT)			< 0.036 %
	220-120-9		01-2120761540-60	
	Acute Tox. 2, Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1, Skin Sens. 1A, Aquatic Acute 1, Aquatic Chronic 1; H330 H302 H315 H318 H317 H400 H410			

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

Safety Data Sheet

according to Regulation (EC) No 1907/2006

GRIP MAXIMIZER 3.0 ORANGE POWER

Revision date: 25.10.2023

Product code: 4000069-19

Page 3 of 16

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
	932-051-8	sodium alkylbenzenesulfonate	5 - < 10 %
		dermal: LD50 = > 2000 mg/kg; oral: LD50 = 5000 mg/kg	
68891-38-3	500-234-8	Alcohols, C12-14, ethoxylated, sulfates, sodium salts (> 1 < 2,5 mol EO)	1 - < 5 %
		dermal: LD50 = > 2000 mg/kg; oral: LD50 = 2870 mg/kg Eye Dam. 1; H318: >= 10 - 100 Eye Irrit. 2; H319: >= 5 - < 10	
64-17-5	200-578-6	Ethanol	1 - < 5 %
		inhalation: LC50 = >124,7 mg/l (vapours); oral: LD50 = 10470 mg/kg Eye Irrit. 2; H319: >= 50 - 100	
97862-59-4	931-296-8	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 acyl derivs., hydroxides, inner salts	1 - < 5 %
		dermal: LD50 = >5000 mg/kg; oral: LD50 = 2335 mg/kg Eye Dam. 1; H318: >= 10 - 100 Eye Irrit. 2; H319: >= 4 - < 10	
5989-27-5	227-813-5	Limonene	< 1 %
		dermal: LD50 = > 5000 mg/kg; oral: LD50 = > 2000 mg/kg Aquatic Acute 1; H400: M=1	
52-51-7	200-143-0	2-bromo-2-nitropropane-1,3-diol	< 0.1 %
		dermal: LD50 = 1600 mg/kg; oral: ATE = 500 mg/kg Aquatic Acute 1; H400: M=1 Aquatic Chronic 1; H410: M=1	
78-93-3	201-159-0	butanone ethyl methyl ketone	< 0.1 %
		inhalation: LC50 = > 20 mg/l (vapours); dermal: LD50 = > 5000 mg/kg; oral: LD50 = 2193 mg/kg	
2634-33-5	220-120-9	1,2-Benzisothiazol-3(2H)-one (BIT)	< 0.036 %
		inhalation: ATE = 0,5 mg/l (vapours); inhalation: ATE = 0,05 mg/l (dusts or mists); dermal: LD50 = > 2000 mg/kg; oral: LD50 = 670 mg/kg Skin Sens. 1A; H317: >= 0,036 - 100 Aquatic Acute 1; H400: M=1 Aquatic Chronic 1; H410: M=1	

Labelling for contents according to Regulation (EC) No 648/2004

5 % - < 15 % anionic surfactants, < 5 % amphoteric surfactants, perfumes (Limonene), preservation agents (2-Bromo-2-nitropropane-1,3-diol, Benzisothiazolinone).

SECTION 4: First aid measures

4.1. Description of first aid measures

After inhalation

Provide fresh air.

After contact with skin

Wash with plenty of water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention.

After contact with eyes

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

After ingestion

Rinse mouth immediately and drink plenty of water. Do NOT induce vomiting. Immediately call a doctor.

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

No information available.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Safety Data Sheet

according to Regulation (EC) No 1907/2006

GRIP MAXIMIZER 3.0 ORANGE POWER

Revision date: 25.10.2023

Product code: 4000069-19

Page 4 of 16

Suitable extinguishing media

Co-ordinate fire-fighting measures to the fire surroundings.

5.2. Special hazards arising from the substance or mixture

Non-flammable.

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

Additional information

Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately.

Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

Other information

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

No special measures are necessary.

Advice on protection against fire and explosion

No special fire protection measures are necessary.

Advice on general occupational hygiene

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme.

Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat or drink.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed.

Hints on joint storage

No special measures are necessary.

7.3. Specific end use(s)

Professional use of laundry products

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Safety Data Sheet

according to Regulation (EC) No 1907/2006

GRIP MAXIMIZER 3.0 ORANGE POWER

Revision date: 25.10.2023

Product code: 4000069-19

Page 5 of 16

Occupational exposure limit values

CAS No	Name of agent	ppm	mg/m ³	fib/cm ³	Category	Origin
78-93-3	Butanone	200	600		TWA (8 h)	
		300	900		STEL (15 min)	

Safety Data Sheet

according to Regulation (EC) No 1907/2006

GRIP MAXIMIZER 3.0 ORANGE POWER

Revision date: 25.10.2023

Product code: 4000069-19

Page 6 of 16

DNEL/DMEL values

CAS No	Name of agent	Exposure route	Effect	Value
	sodium alkylbenzenesulfonate			
Worker DNEL, long-term		dermal	systemic	85 mg/kg bw/day
Worker DNEL, long-term		inhalation	systemic	6 mg/m ³
Consumer DNEL, long-term		dermal	systemic	42,5 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	1,5 mg/m ³
Consumer DNEL, long-term		oral	systemic	0,425 mg/kg bw/day
68891-38-3	Alcohols, C12-14, ethoxylated, sulfates, sodium salts (> 1 < 2,5 mol EO)			
Worker DNEL, long-term		dermal	systemic	2750 mg/kg bw/day
Worker DNEL, long-term		inhalation	systemic	175 mg/m ³
Consumer DNEL, long-term		dermal	systemic	1650 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	52 mg/m ³
Consumer DNEL, long-term		oral	systemic	15 mg/kg bw/day
64-17-5	Ethanol			
Worker DNEL, long-term		inhalation	systemic	950 mg/m ³
Worker DNEL, acute		inhalation	local	1900 mg/m ³
Worker DNEL, long-term		dermal	systemic	343 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	114 mg/m ³
Consumer DNEL, acute		inhalation	local	950 mg/m ³
Consumer DNEL, long-term		dermal	systemic	206 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	87 mg/kg bw/day
97862-59-4	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 acyl derivs., hydroxides, inner salts			
Worker DNEL, long-term		dermal	systemic	12,5 mg/kg bw/day
Worker DNEL, long-term		inhalation	systemic	44 mg/m ³
Consumer DNEL, long-term		oral	systemic	7,5 mg/kg bw/day
Consumer DNEL, long-term		dermal	systemic	7,5 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	13,04 mg/m ³
5989-27-5	Limonene			
Worker DNEL, long-term		inhalation	systemic	33,3 mg/m ³
2634-33-5	1,2-Benzisothiazol-3(2H)-one (BIT)			
Worker DNEL, long-term		dermal	systemic	0,966 mg/kg bw/day
Worker DNEL, long-term		inhalation	systemic	6,81 mg/m ³
Consumer DNEL, long-term		inhalation	systemic	1,2 mg/m ³
Consumer DNEL, long-term		dermal	systemic	0,345 mg/kg bw/day

Safety Data Sheet

according to Regulation (EC) No 1907/2006

GRIP MAXIMIZER 3.0 ORANGE POWER

Revision date: 25.10.2023

Product code: 4000069-19

Page 7 of 16

PNEC values

CAS No	Name of agent	
	Environmental compartment	Value
	sodium alkylbenzenesulfonate	
	Freshwater	0,268 mg/l
	Marine water	0,0268 mg/l
	Freshwater sediment	8,1 mg/kg
	Marine sediment	8,1 mg/kg
	Micro-organisms in sewage treatment plants (STP)	5,6 mg/l
	Soil	35 mg/kg
68891-38-3	Alcohols, C12-14, ethoxylated, sulfates, sodium salts (> 1 < 2,5 mol EO)	
	Freshwater	0,24 mg/l
	Marine water	0,024 mg/l
	Freshwater sediment	0,9168 mg/kg
	Marine sediment	0,09168 mg/kg
	Micro-organisms in sewage treatment plants (STP)	10000 mg/l
	Soil	7,5 mg/kg
64-17-5	Ethanol	
	Freshwater	0,96 mg/l
	Marine water	0,79 mg/l
	Freshwater sediment	3,6 mg/kg
	Marine sediment	2,9 mg/kg
	Secondary poisoning	720 mg/kg
	Micro-organisms in sewage treatment plants (STP)	580 mg/l
	Soil	0,63 mg/kg
97862-59-4	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 acyl derivs., hydroxides, inner salts	
	Freshwater	0,013 mg/l
	Marine water	0,001 mg/l
	Freshwater sediment	11,1 mg/kg
	Marine sediment	1,11 mg/kg
	Soil	0,85 mg/kg
5989-27-5	Limonene	
	Freshwater	0,0054 mg/l
	Marine water	0,00054 mg/l
	Freshwater sediment	1,32 mg/kg
	Marine sediment	0,13 mg/kg
	Secondary poisoning	3,33 mg/kg
	Soil	0,262 mg/kg
2634-33-5	1,2-Benzisothiazol-3(2H)-one (BIT)	
	Freshwater	0,004 mg/l
	Marine water	0,0004 mg/l
	Freshwater sediment	0,0499 mg/kg
	Marine sediment	0,0049 mg/kg

Safety Data Sheet

according to Regulation (EC) No 1907/2006

GRIP MAXIMIZER 3.0 ORANGE POWER

Revision date: 25.10.2023

Product code: 4000069-19

Page 8 of 16

Micro-organisms in sewage treatment plants (STP)	1,03 mg/l
Soil	3,0 mg/kg

8.2. Exposure controls



Individual protection measures, such as personal protective equipment

Eye/face protection

Safety glasses with side protection (EN 166)

Hand protection

Recommendation:

Protective gloves (EN 374)

Suitable material:

NR (natural rubber, Natural latex)

Thickness of the glove material: $\geq 0,4$ mm

Breakthrough time: > 480 min

NBR (Nitrile rubber)

Thickness of the glove material: $\geq 0,4$ mm

Breakthrough time: > 480 min

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Skin protection

Wear suitable protective clothing.

Respiratory protection

Usually no personal respiratory protection necessary.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Liquid	
Colour:	orange	
Odour:	characteristic	
Melting point/freezing point:		not determined
Boiling point or initial boiling point and boiling range:		not determined
Flammability:		not applicable
Lower explosion limits:		not applicable
Upper explosion limits:		not determined
Flash point:		not determined
Decomposition temperature:		not determined
pH-Value (at 20 °C):		6,2
Water solubility:		easily soluble
Solubility in other solvents		
not determined		
Partition coefficient n-octanol/water:		not determined

Safety Data Sheet

according to Regulation (EC) No 1907/2006

GRIP MAXIMIZER 3.0 ORANGE POWER

Revision date: 25.10.2023

Product code: 4000069-19

Page 9 of 16

Vapour pressure:	not determined
Density (at 20 °C):	1,021 g/cm ³
Relative vapour density:	not determined

9.2. Other information**Information with regard to physical hazard classes**

Self-ignition temperature

Solid:	not applicable
Gas:	not applicable

Oxidizing properties

Not oxidising.

Other safety characteristics

Evaporation rate: not determined

Solid content: not determined

Viscosity / dynamic:
(at 20 °C) 34 mPa·s**SECTION 10: Stability and reactivity****10.1. Reactivity**

No hazardous reaction when handled and stored according to provisions.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

No known hazardous reactions.

10.4. Conditions to avoid

none

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11: Toxicological information**11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute toxicity**

Based on available data, the classification criteria are not met.

ATEmix calculated

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

Safety Data Sheet

according to Regulation (EC) No 1907/2006

GRIP MAXIMIZER 3.0 ORANGE POWER

Revision date: 25.10.2023

Product code: 4000069-19

Page 10 of 16

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
	sodium alkylbenzenesulfonate				
	oral	LD50 5000 mg/kg	Rat	OECD 401	
	dermal	LD50 > 2000 mg/kg	Rat	OECD 402	
68891-38-3	Alcohols, C12-14, ethoxylated, sulfates, sodium salts (> 1 < 2,5 mol EO)				
	oral	LD50 2870 mg/kg	Rat		OECD 401
	dermal	LD50 > 2000 mg/kg	Rat		OECD 402
64-17-5	Ethanol				
	oral	LD50 10470 mg/kg	Rat		OECD 401
	inhalation (4 h) vapour	LC50 >124,7 mg/l	Rat		OECD 403
97862-59-4	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 acyl derivs., hydroxides, inner salts				
	oral	LD50 2335 mg/kg	Rat		OECD 401
	dermal	LD50 >5000 mg/kg	Rat		
5989-27-5	Limonene				
	oral	LD50 > 2000 mg/kg	Rat		
	dermal	LD50 > 5000 mg/kg	Rabbit	IUCLID	
52-51-7	2-bromo-2-nitropropane-1,3-diol				
	oral	ATE 500 mg/kg			
	dermal	LD50 1600 mg/kg	Rat		
78-93-3	butanone ethyl methyl ketone				
	oral	LD50 2193 mg/kg	Rat		OECD 423
	dermal	LD50 > 5000 mg/kg	Rabbit		OECD 402
	inhalation (4 h) vapour	LC50 > 20 mg/l	Rat		
2634-33-5	1,2-Benzisothiazol-3(2H)-one (BIT)				
	oral	LD50 670 mg/kg	Rat		
	dermal	LD50 > 2000 mg/kg	Rat		
	inhalation vapour	ATE 0,5 mg/l			
	inhalation dust/mist	ATE 0,05 mg/l			

Irritation and corrosivity

Serious eye damage/eye irritation: Causes serious eye irritation. (On basis of test data)

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

GRIP MAXIMIZER 3.0 ORANGE POWER

Revision date: 25.10.2023

Product code: 4000069-19

Page 11 of 16

Sensitising effects

Based on available data, the classification criteria are not met.
Contains Limonene. May produce an allergic reaction.

Carcinogenic/mutagenic/toxic effects for reproduction

Germ cell mutagenicity: Based on available data, the classification criteria are not met.
Carcinogenicity: Based on available data, the classification criteria are not met.
Reproductive toxicity: Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

Additional information on tests

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

SECTION 12: Ecological information**12.1. Toxicity**

Harmful to aquatic life with long lasting effects.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

GRIP MAXIMIZER 3.0 ORANGE POWER

Revision date: 25.10.2023

Product code: 4000069-19

Page 12 of 16

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
	sodium alkylbenzenesulfonate					
	Acute fish toxicity	LC50	5,5 mg/l	96 h	Oncorhynchus mykiss (Rainbow trout)	
	Acute crustacea toxicity	EC50	6,3 mg/l	48 h	Daphnia magna (Big water flea)	
68891-38-3	Alcohols, C12-14, ethoxylated, sulfates, sodium salts (> 1 < 2,5 mol EO)					
	Acute fish toxicity	LC50	7,1 mg/l	96 h	Danio rerio (zebrafish)	
	Acute algae toxicity	ErC50	27 mg/l	72 h	Scenedesmus subspicatus	
	Acute crustacea toxicity	EC50	7,2 mg/l	48 h	Daphnia magna (Big water flea)	
	Crustacea toxicity	NOEC mg/l	0,27	21 d	Daphnia magna (Big water flea)	
64-17-5	Ethanol					
	Acute fish toxicity	LC50 mg/l	15300	96 h	Pimephales promelas (fathead minnow)	ECHA / IUCLID
	Acute algae toxicity	ErC50	275 mg/l	72 h	Chlorella vulgaris	OECD 201
	Acute crustacea toxicity	EC50 mg/l	14221	48 h	Daphnia magna (Big water flea)	ECHA / IUCLID
	Crustacea toxicity	NOEC	9,6 mg/l	9 d	Daphnia magna (Big water flea)	ECHA / IUCLID
97862-59-4	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 acyl derivs., hydroxides, inner salts					
	Acute fish toxicity	LC50 mg/l	1,11	96 h	Pimephales promelas	OECD 203
	Acute algae toxicity	ErC50	2,4 mg/l	72 h	Desmodesmus subspicatus	
	Acute crustacea toxicity	EC50	1,9 mg/l	48 h	Daphnia magna (Big water flea)	OECD 202
	Fish toxicity	NOEC mg/l	0,135	37 d	Oncorhynchus mykiss (Rainbow trout)	OECD 210
	Algae toxicity	NOEC	0,6 mg/l	3 d	Desmodesmus subspicatus	OECD 211
	Crustacea toxicity	NOEC	0,3 mg/l	21 d		
5989-27-5	Limonene					
	Acute fish toxicity	LC50	0,7 mg/l	96 h	Pimephales promelas (fathead minnow)	OECD 203
	Acute algae toxicity	ErC50 mg/l	0,32	72 h	Pseudokirchneriella subcapitata	OECD 201
	Acute crustacea toxicity	EC50 mg/l	0,307	48 h	Daphnia magna (Big water flea)	OECD 202
	Acute bacteria toxicity	EC50 ()	209 mg/l	3 h	Activated sludge	
52-51-7	2-bromo-2-nitropropane-1,3-diol					
	Acute fish toxicity	LC50	11 mg/l	96 h	Lepomis macrochirus (Bluegill)	OECD 203
	Acute algae toxicity	ErC50 mg/l	0,068	72 h	Anabaena flos aqua	OECD 201
	Acute crustacea toxicity	EC50 mg/l	1,04	48 h	Daphnia magna (Big water flea)	OECD 202

Safety Data Sheet

according to Regulation (EC) No 1907/2006

GRIP MAXIMIZER 3.0 ORANGE POWER

Revision date: 25.10.2023

Product code: 4000069-19

Page 13 of 16

	Fish toxicity	NOEC mg/l	2,61	28 d	Oncorhynchus mykiss (Rainbow trout)		OECD 215
	Algae toxicity	NOEC mg/l	0,0025	3 d	Anabaena flos aqua		OECD 201
	Crustacea toxicity	NOEC mg/l	0,06	21 d	Daphnia magna (Big water flea)		OECD 211
	Acute bacteria toxicity	EC50 ()	11 mg/l ()	3 h	Activated sludge		OECD 209
78-93-3	butanone ethyl methyl ketone						
	Acute fish toxicity	LC50 mg/l	3200	96 h	Pimephales promelas (fathead minnow)		OECD 203
	Acute algae toxicity	ErC50 mg/l	1972	72 h	Pseudokirchneriella subcapitata		OECD 201
	Acute crustacea toxicity	EC50 mg/l	5091	48 h	Daphnia magna (Big water flea)		OECD 202
2634-33-5	1,2-Benzisothiazol-3(2H)-one (BIT)						
	Acute fish toxicity	LC50 mg/l	2,15	96 h	Oncorhynchus mykiss (Rainbow trout)		OECD 203
	Acute algae toxicity	ErC50 mg/l	0,11	72 h	Selenastrum capricornutum		OECD 201
	Acute crustacea toxicity	EC50 mg/l	3,27	48 h	Daphnia magna (Big water flea)		OECD 202
	Acute bacteria toxicity	EC50 ()	13 mg/l ()	3 h	Activated sludge		OECD 209

12.2. Persistence and degradability

The product has not been tested.

CAS No	Chemical name	Method	Value	d	Source
	sodium alkylbenzenesulfonate				
	OECD 301A		70%	28	
	Readily biodegradable (according to OECD criteria).				
68891-38-3	Alcohols, C12-14, ethoxylated, sulfates, sodium salts (> 1 < 2,5 mol EO)				
	OECD 301A		>60%	28	
	Readily biodegradable (according to OECD criteria).				
64-17-5	Ethanol				
	OECD 301E		94 %	28	
	Readily biodegradable (according to OECD criteria).				
97862-59-4	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 acyl derivs., hydroxides, inner salts				
	OECD 301B		91,6 %	28	
	Readily biodegradable (according to OECD criteria).				
52-51-7	2-bromo-2-nitropropane-1,3-diol				
	OECD 301B		>70%	28	
	Readily biodegradable (according to OECD criteria).				
78-93-3	butanone ethyl methyl ketone				
	Biodegradation		98 %	28	
	Readily biodegradable (according to OECD criteria).				
2634-33-5	1,2-Benzisothiazol-3(2H)-one (BIT)				
	OECD 303A		>70%	16	Activated sludge
	Readily biodegradable (according to OECD criteria).				

Safety Data Sheet

according to Regulation (EC) No 1907/2006

GRIP MAXIMIZER 3.0 ORANGE POWER

Revision date: 25.10.2023

Product code: 4000069-19

Page 14 of 16

12.3. Bioaccumulative potential

The product has not been tested.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
68891-38-3	Alcohols, C12-14, ethoxylated, sulfates, sodium salts (> 1 < 2,5 mol EO)	0,3
97862-59-4	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 acyl derivs., hydroxides, inner salts	2,0 - 5,1
5989-27-5	Limonene	4,23
52-51-7	2-bromo-2-nitropropane-1,3-diol	0,38
78-93-3	butanone ethyl methyl ketone	0,3
2634-33-5	1,2-Benzisothiazol-3(2H)-one (BIT)	0,7

BCF

CAS No	Chemical name	BCF	Species	Source
64-17-5	Ethanol	0,66		
52-51-7	2-bromo-2-nitropropane-1,3-diol	3,16		
2634-33-5	1,2-Benzisothiazol-3(2H)-one (BIT)	6,95	Fish	OECD 305

12.4. Mobility in soil

The product has not been tested.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

The product has not been tested.

12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12.7. Other adverse effects

No information available.

Further information

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Disposal recommendations**

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation.

Contaminated packaging

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information**Land transport (ADR/RID)****14.2. UN proper shipping name:**

No dangerous good in sense of these transport regulations.

Inland waterways transport (ADN)**14.2. UN proper shipping name:**

No dangerous good in sense of these transport regulations.

Marine transport (IMDG)**14.2. UN proper shipping name:**

No dangerous good in sense of these transport regulations.

Air transport (ICAO-TI/IATA-DGR)**14.2. UN proper shipping name:**

No dangerous good in sense of these transport regulations.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

GRIP MAXIMIZER 3.0 ORANGE POWER

Revision date: 25.10.2023

Product code: 4000069-19

Page 15 of 16

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

No information available.

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****EU regulatory information**

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 40, Entry 75

Directive 2010/75/EU on industrial emissions: 3,621 %

Additional information

Regulation (EC) No. 648/2004 [Detergents regulation].

National regulatory information

Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).

Water hazard class (D): 2 - obviously hazardous to water

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information**Changes**

This data sheet contains changes from the previous version in section(s): 2.

Abbreviations and acronyms

Flam. Liq: Flammable liquid

Acute Tox: Acute toxicity

Asp. Tox: Aspiration hazard

Skin Irrit: Skin irritation

Eye Dam: Eye damage

Eye Irrit: Eye irritation

Skin Sens: Skin sensitisation

STOT SE: Specific target organ toxicity - single exposure

Aquatic Acute: Acute aquatic hazard

Aquatic Chronic: Chronic aquatic hazard

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

Safety Data Sheet

according to Regulation (EC) No 1907/2006

GRIP MAXIMIZER 3.0 ORANGE POWER

Revision date: 25.10.2023

Product code: 4000069-19

Page 16 of 16

Classification for mixtures and used evaluation method according to Regulation (EC) No 1272/2008 [CLP]

Classification	Classification procedure
Eye Irrit. 2; H319	On basis of test data
Aquatic Chronic 3; H412	Calculation method

Relevant H and EUH statements (number and full text)

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH066	Repeated exposure may cause skin dryness or cracking.
EUH208	Contains Limonene. May produce an allergic reaction.

Further Information

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

(The data for the relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)