



SPRINTER POWER 10L WEST

WM 1106963

Order number: 0706963

Version 4.5

Revision Date 07.01.2015

Print Date 19.03.2015

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

1.1 Product identifier

Trade name : SPRINTER POWER 10L WEST
Identification number : 61275, 64697

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

Use of the Substance/Mixture : Cleaning agent

1.3 Details of the supplier of the safety data sheet

Company : Erdal-Rex GmbH
Rheinallee 96
55120 Mainz
Telephone : +49613196402
Telefax : +4961319642413
E-mail address : Produktsicherheit@werner-mertz.com
Responsible/issuing person
Contact person : Product development / product safety

1.4 Emergency telephone number

+49(0)6131-19240

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Skin irritation, Category 2 H315: Causes skin irritation.
Eye irritation, Category 2 H319: Causes serious eye irritation.

Classification (67/548/EEC, 1999/45/EC)

Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal word : Warning

Hazard statements : H315 Causes skin irritation.
H319 Causes serious eye irritation.

Precautionary statements : P102 Keep out of reach of children.
Prevention:
P260 Do not breathe spray.
P264 Wash skin thoroughly after handling.
P280 Wear protective gloves/ eye protection/ face protection.

Response:



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P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
 P332 + P313 If skin irritation occurs: Get medical advice/attention.
 P337 + P313 If eye irritation persists: Get medical advice/attention.
Disposal:
 P501 Only give completely emptied container to special waste disposer.

2.3 Other hazards

2-aminoethanol : This substance is not considered to be very persistent nor very bioaccumulating (vPvB).
 This substance is not considered to be persistent, bioaccumulating nor toxic (PBT).
 (2-methoxymethylethoxy)propanol : This substance is not considered to be very persistent nor very bioaccumulating (vPvB).
 This substance is not considered to be persistent, bioaccumulating nor toxic (PBT).

No information available.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical nature : Aqueous surfactant solution.

Hazardous components

Chemical Name	CAS-No. EC-No. Registration number	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration (%)
1-butoxypropan-2-ol	5131-66-8 225-878-4 01-2119475527-28	Xi; R36/38	Eye Dam.2; H319 Skin Irrit.2; H315 Flam. Liq.3; H226	>= 2 - < 5
sodium p-cumenesulphonate	15763-76-5 239-854-6 01-2119489411-37	Xi; R36	Eye Dam.2; H319	>= 2 - < 5
2-aminoethanol	141-43-5 205-483-3 01-2119486455-28	C; R34 Xn; R20/21/22	Acute Tox.4; H332 Acute Tox.4; H312 Acute Tox.4; H302 Skin Corr.1B; H314 STOT SE3; H335 Aquatic Chronic3; H412	>= 1 - < 2
Alcohols, C9 – C11 –iso-, C10 –rich, ethoxylated		Xi; R41	Eye Dam.1; H318	>= 1 - < 2



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WEL substance :				
(2-methoxymethylethoxy)propanol	34590-94-8 252-104-2 01-2119450011-60			$\geq 2 - < 5$

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

- General advice : No hazards which require special first aid measures.
- If inhaled : Move to fresh air.
If symptoms persist, call a physician.
- In case of skin contact : Take off contaminated clothing and shoes immediately.
In case of contact, immediately flush skin with soap and plenty of water.
If symptoms persist, call a physician.
- In case of eye contact : Protect unharmed eye.
If easy to do, remove contact lens, if worn.
Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
If eye irritation persists, consult a specialist.
- If swallowed : Clean mouth with water and drink afterwards plenty of water.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

- Symptoms : No information available.
- Risks : No information available.

4.3 Indication of any immediate medical attention and special treatment needed

- Treatment : For specialist advice physicians should contact the Poisons Information Service.

SECTION 5: Firefighting measures

5.1 Extinguishing media

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

5.2 Special hazards arising from the substance or mixture

- Specific hazards during firefighting : Do not allow run-off from fire fighting to enter drains or water courses.



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Hazardous combustion products :

5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment.

6.2 Environmental precautions

Environmental precautions : Try to prevent the material from entering drains or water courses. No special environmental precautions required.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up : Neutralise with acid.
Wipe up with absorbent material (e.g. cloth, fleece).
Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For personal protection see section 8., Treat recovered material as described in the section "Disposal considerations"., Refer to section 15 for specific national regulation.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : For personal protection see section 8. No special handling advice required.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Keep container tightly closed in a dry and well-ventilated place. Store at room temperature in the original container.

Advice on common storage : No special restrictions on storage with other products.

Other data : No decomposition if stored and applied as directed.

7.3 Specific end use(s)



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Specific use(s) : Cleaning agent

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Update	Basis
PPG-2 METHYL ETHER		TWA	50 ppm 308 mg/m ³	2000-06-16	2000/39/EC
Further information	:	skin: Identifies the possibility of significant uptake through the skinIndicative			
PPG-2 METHYL ETHER		TWA	100 ppm 600 mg/m ³		
Further information	:	H: Dermal absorption possible			
PPG-2 METHYL ETHER			100 ppm		
Further information	:	H: Dermal absorption possible			
PPG-2 METHYL ETHER		STEL	150 ppm		
Further information	:	H: Dermal absorption possible			
PPG-2 METHYL ETHER			100 ppm		
Further information	:	REL: Recommended exposure limit			
PPG-2 METHYL ETHER		STEL	150 ppm 900 mg/m ³		
ETHANOLAMINE		TWA	1 ppm 2,5 mg/m ³	2006-02-09	2006/15/EC
Further information	:	skin: Identifies the possibility of significant uptake through the skinIndicative			
ETHANOLAMINE		STEL	3 ppm 7,6 mg/m ³	2006-02-09	2006/15/EC
Further information	:	skin: Identifies the possibility of significant uptake through the skinIndicative			

DNEL

1-butoxypropan-2-ol

: End Use: Workers
Exposure routes: Skin contact
Potential health effects: Long-term systemic effects

End Use: Workers
Exposure routes: Inhalation
Potential health effects: Long-term systemic effects
Value: 270,5 mg/m³

End Use: Consumers
Exposure routes: Skin contact
Potential health effects: Long-term systemic effects



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- End Use: Consumers
Exposure routes: Inhalation
Potential health effects: Long-term systemic effects
Value: 33,8 mg/m³
- End Use: Consumers
Exposure routes: Ingestion
Potential health effects: Long-term systemic effects
- sodium p-cumenesulphonate : End Use: Workers
Exposure routes: Skin contact
Potential health effects: Long-term systemic effects
- End Use: Workers
Exposure routes: Inhalation
Potential health effects: Long-term systemic effects
Value: 53,6 mg/m³
- End Use: Consumers
Exposure routes: Skin contact
Potential health effects: Long-term systemic effects
- End Use: Consumers
Exposure routes: Inhalation
Potential health effects: Long-term systemic effects
Value: 13,2 mg/m³
- End Use: Consumers
Exposure routes: Ingestion
Potential health effects: Long-term systemic effects
- 2-aminoethanol : End Use: Workers
Exposure routes: Skin contact
Potential health effects: Long-term systemic effects
- End Use: Workers
Exposure routes: Inhalation
Potential health effects: Long-term local effects
Value: 3,3 mg/m³
- End Use: Consumers
Exposure routes: Skin contact
Potential health effects: Long-term systemic effects
- End Use: Consumers
Exposure routes: Ingestion
Potential health effects: Long-term systemic effects
- End Use: Consumers
Exposure routes: Inhalation
Potential health effects: Long-term systemic effects
Value: 2 mg/m³
- End Use: Consumers
Exposure routes: Inhalation
Potential health effects: Long-term local effects
Value: 2 mg/m³



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(2-methoxymethylethoxy)propanol

: End Use: Workers
Exposure routes: Skin contact
Potential health effects: Long-term systemic effects

End Use: Workers
Exposure routes: Inhalation
Potential health effects: Long-term systemic effects
Value: 310 mg/m³

End Use: Consumers
Exposure routes: Skin contact
Potential health effects: Long-term systemic effects

End Use: Consumers
Exposure routes: Ingestion
Potential health effects: Long-term systemic effects

End Use: Consumers
Exposure routes: Inhalation
Potential health effects: Long-term systemic effects
Value: 37,2 mg/m³

End Use: Workers
Exposure routes: Inhalation
Potential health effects: Long-term systemic effects
Value: 308 mg/m³

End Use: Workers
Exposure routes: Skin contact
Potential health effects: Long-term systemic effects

End Use: Consumers
Exposure routes: Skin contact
Potential health effects: Long-term systemic effects

End Use: Consumers
Exposure routes: Ingestion
Potential health effects: Long-term systemic effects

PNEC
1-butoxypropan-2-ol

: Fresh water
Value: 0,525 mg/l

Marine water
Value: 0,0525 mg/l

Fresh water sediment
Value: 2,36 mg/kg

Marine sediment
Value: 0,236 mg/kg

Soil
Value: 0,16 mg/kg

STP
Value: 10 mg/l



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	intermittent release Value: 5,25 mg/l
sodium p-cumenesulphonate	: Fresh water Value: 0,23 mg/l
	STP Value: 100 mg/l
	intermittent release Value: 2,3 mg/l
2-aminoethanol	: Fresh water Value: 0,085 mg/l
	Marine water Value: 0,0085 mg/l
	STP Value: 0,025 mg/l
	intermittent release Value: 100 mg/l
	Fresh water sediment Value: 0,425 mg/kg
	Marine sediment Value: 0,0425 mg/kg
	Soil Value: 0,035 mg/kg
(2-methoxymethylethoxy)propanol	: Fresh water Value: 19 mg/l
	Marine water Value: 1,9 mg/l
	Fresh water sediment Value: 70,2 mg/kg
	Marine sediment Value: 7,02 mg/kg
	Soil Value: 2,74 mg/kg
	intermittent release Value: 190 mg/l
	STP Value: 4168 mg/l

8.2 Exposure controls



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Personal protective equipment

Eye protection : If splashes are likely to occur, wear:
Tightly fitting safety goggles

Hand protection

Material : Chemical resistant gloves made of butyl rubber or nitrile rubber
category III according to EN 374.

Glove thickness : 0,4 mm

Remarks : Take note of the information given by the producer concerning
permeability and break through times, and of special workplace
conditions (mechanical strain, duration of contact).

Skin and body protection : Choose body protection according to the amount and concentration
of the dangerous substance at the work place.
Remove and wash contaminated clothing before re-use.

Respiratory protection : Not required; except in case of aerosol formation.
Recommended Filter type:
ABEK-P3-filter
Ensure adequate ventilation, especially in confined areas.

Environmental exposure controls

General advice : Try to prevent the material from entering drains or water courses.
No special environmental precautions required.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : liquid

Colour : greenish-blue

Odour : characteristic

Odour Threshold : No data available

pH : ca. 11,3

Melting point/range : No data available

Boiling point/boiling range : No information available.

Flash point : > 70 °C

Evaporation rate : No data available

Flammability (solid, gas) : No data available

Burning rate : No data available

Lower explosion limit : No data available

Upper explosion limit : No data available



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Vapour pressure	: No data available
Relative vapour density	: No data available
Relative density	: No data available
Density	: ca. 1,012 g/cm ³
Water solubility	: soluble
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: No data available
Ignition temperature	: No data available
Thermal decomposition	: No data available
Viscosity, dynamic	: No data available
Viscosity, kinematic	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available

9.2 Other information

none

SECTION 10: Stability and reactivity

10.1 Reactivity

Stable under recommended storage conditions., No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Hazardous reactions : No hazards to be specially mentioned.

10.4 Conditions to avoid

Conditions to avoid : No data available

10.5 Incompatible materials

Materials to avoid : No data available

10.6 Hazardous decomposition products

Hazardous decomposition products : No hazardous decomposition products are known.
Other information : No hazardous decomposition products are known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Product



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- Acute oral toxicity : Acute toxicity estimate : > 2.000 mg/kg
Method: Calculation method
- Acute inhalation toxicity : Acute toxicity estimate : > 20 mg/l
Test atmosphere: vapour
Method: Calculation method
- Acute dermal toxicity : Acute toxicity estimate : > 2.000 mg/kg
Method: Calculation method
- Skin corrosion/irritation : According to the classification criteria of the European Union, the product is not considered as being a skin irritant.
- Serious eye damage/eye irritation : According to the classification criteria of the European Union, the product is not considered as being an eye irritant.
- Respiratory or skin sensitisation : No data available
- Further information : No data available

Components:

BUTOXYPROPANOL :

- Acute oral toxicity : LD50 Oral rat, male and female: 3.300 mg/kg
Method: see user defined free text

LD50 rat: > 2.000 mg/kg

- Acute inhalation toxicity : LC50 rat: 651 mg/l
Exposure time: 4 h

- Acute dermal toxicity : LD50 Dermal rabbit: > 2.000 mg/kg
Method: OECD Test Guideline 402

15763-76-5 :

- Acute oral toxicity : LD50 Oral rat: > 2.000 mg/kg
Method: OECD Test Guideline 401

- Acute inhalation toxicity : LC50 rat: 5 mg/l
Exposure time: 232 min

- Acute dermal toxicity : LD50 Dermal rabbit: > 2.000 mg/kg

- Skin corrosion/irritation : Species: rabbit
Result: Mild skin irritation
Method: OECD Test Guideline 404
Based on available data, the classification criteria are not met.



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- Serious eye damage/eye irritation : Species: rabbit
Result: Moderate eye irritation
Method: OECD Test Guideline 405
Causes serious eye irritation.
- Respiratory or skin sensitisation : Test Method: Buehler Test
Species: guinea pig
Result: Did not cause sensitisation on laboratory animals.
Method: OECD Test Guideline 406
- Germ cell mutagenicity
- Genotoxicity in vitro : Result: negative
- Genotoxicity in vivo : Result: negative
- Carcinogenicity - Assessment : Animal testing did not show any carcinogenic effects.
- Teratogenicity : Species: rat
Application Route: Oral
3.000 mg/kg
3.000 mg/kg
- Repeated dose toxicity : rat: NOAEL: 763 mg/kg
Application Route: Oral
Target Organs: Cardio-vascular system
mouse: NOAEL: 440 mg/kg
LOAEL: 1.300 mg/kg
Application Route: Dermal
Method: OECD Test Guideline 411
Target Organs: Skin
- ETHANOLAMINE :**
- Acute oral toxicity : LD50 Oral rat: 1.515 mg/kg
Method: OECD Test Guideline 401
Acute toxicity estimate : 500 mg/kg
Method: Converted acute toxicity point estimate
LD50 rat: 1.089 mg/kg
Method: OECD Test Guideline 401
- Acute inhalation toxicity : LC50 rat: 1,3 mg/l
Exposure time: 6 h
Harmful by inhalation.
LC50 rat: 1,487 mg/l
Exposure time: 4 h



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- Acute dermal toxicity : LD50 Dermal rabbit: 2.504 mg/kg
Method: OECD Test Guideline 402
- Acute toxicity estimate : 1.100 mg/kg
Method: Converted acute toxicity point estimate
- Skin corrosion/irritation : Species: rabbit
Result: Corrosive
Method: OECD Test Guideline 404
- Serious eye damage/eye irritation : Species: rabbit
Result: Risk of serious damage to eyes.
Method: OECD Test Guideline 405
- Respiratory or skin sensitisation : Test Method: Maximisation Test (GPMT)
Species: guinea pig
Result: Did not cause sensitisation on laboratory animals.
Method: OECD Test Guideline 406
- :
Acute oral toxicity : LD50 Oral rat: > 5.000 mg/kg
- PPG-2 METHYL ETHER :**
Acute oral toxicity : LD50 rat: 5.135 mg/kg
LD50 dog: 7.500 mg/kg
LD50 rat: 5.130 mg/kg
- Acute inhalation toxicity : LC50 rat: 55 - 60 mg/l
Exposure time: 4 h
LC50 rat: 3,35 mg/l
Exposure time: 7 h
- Acute dermal toxicity : LD50 Dermal rabbit: 19.000 mg/kg
LD50 Dermal rat: 9.500 mg/kg
LD50 rabbit: 9.510 mg/kg
- Respiratory or skin sensitisation : Result: Does not cause skin sensitisation.



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SECTION 12: Ecological information

12.1 Toxicity

Components:

BUTOXYPROPANOL:

Toxicity to fish : LC50 (Poecilia reticulata (guppy)): 560 - 1.000 mg/l
Exposure time: 96 h

NOEC (Poecilia reticulata (guppy)): 180 mg/l
Exposure time: 96 h

LC50 (Fish): 1.000 mg/l
Exposure time: 96 h

LC50 (Pimephales promelas (fathead minnow)): > 100 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 1.000 mg/l
Exposure time: 48 h
Method: OECD Test Guideline 202

NOEC (Daphnia magna (Water flea)): 560 mg/l
Exposure time: 48 h

Toxicity to algae : EC50 (Pseudokirchneriella subcapitata): > 1.000 mg/l
Exposure time: 96 h
Test Type: Cell multiplication inhibition test

NOEC (Selenastrum capricornutum): 560 mg/l
Exposure time: 96 h

Toxicity to bacteria : EC50 (Bacteria): > 1.000 mg/l
Exposure time: 3 h
Method: OECD Test Guideline 209

15763-76-5:

Toxicity to fish : LC50 (Cyprinus carpio (Carp)): > 100 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 203

LC50 (Oncorhynchus mykiss (rainbow trout)): > 100 mg/l
Exposure time: 96 h
Test Type: static test

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 100 mg/l
Exposure time: 48 h
Test Type: static test
Method: OECD Test Guideline 202

Toxicity to algae : EC50 (Desmodesmus subspicatus (green algae)): > 100 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201

EC50 (Pseudokirchneriella subcapitata (green algae)): > 100 mg/l
Exposure time: 96 h
Test Type: static test



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Toxicity to bacteria : EC10 (activated sludge): > 1.000 mg/l
Exposure time: 3 h
Test Type: Respiration inhibition
Method: OECD Test Guideline 209

ETHANOLAMINE:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 150 mg/l
Exposure time: 96 h

LC50 (Lepomis macrochirus (Bluegill sunfish)): 329 mg/l
Exposure time: 96 h

LC50 (Cyprinus carpio (Carp)): 349 mg/l
Exposure time: 96 h
Test Type: semi-static test
Method: OECD Test Guideline 203

LC50 (Carassius auratus (goldfish)): 170 mg/l
Exposure time: 96 h
Test Type: static test

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 65 mg/l
Exposure time: 48 h
Test Type: static test
Method: EG 84/449

NOEC (Daphnia magna (Water flea)): 0,85 mg/l
Exposure time: 21 d
Method: OECD Test Guideline 211

Toxicity to algae : EC50 (Selenastrum capricornutum): 2,5 mg/l
Exposure time: 72 h
Test Type: Growth inhibition
Method: OECD Test Guideline 201

EC50 (Scenedesmus subspicatus): 22 mg/l
Exposure time: 72 h
Test Type: Growth inhibition

NOEC (Selenastrum capricornutum): 1 mg/l
Exposure time: 72 h
Test Type: Growth inhibition
Method: OECD Test Guideline 201

Toxicity to bacteria : EC20 (activated sludge): > 1.000 mg/l
Exposure time: 0,5 h
Method: OECD Test Guideline 209

EC50 (Pseudomonas putida): 110 mg/l
Exposure time: 16 h
Method: DIN 38412

EC50 (activated sludge): > 1.000 mg/l
Exposure time: 3 h
Method: OECD Test Guideline 209

Toxicity to fish (Chronic toxicity) : NOEC: 1,2 mg/l



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Exposure time: 30 d
Species: *Oryzias latipes* (Orange-red killifish)

:

Toxicity to fish : (*Oncorhynchus mykiss* (rainbow trout)): 10 - 100 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : (*Daphnia*): 10 - 100 mg/l
Exposure time: 48 h

Toxicity to algae : EC50 : 10 - 100 mg/l
Exposure time: 72 h

Toxicity to bacteria : EC10 (see user defined free text): > 2.000 mg/l

PPG-2 METHYL ETHER:

Toxicity to fish : (*Pimephales promelas* (fathead minnow)): > 10.000 mg/l
Exposure time: 96 h
Test Type: static test

Toxicity to daphnia and other aquatic invertebrates : EC50 (*Daphnia magna* (Water flea)): 1.919 mg/l
Exposure time: 48 h
Test Type: static test

EC50 (*Crangon crangon* (shrimp)): > 1.000 mg/l
Exposure time: 96 h
Test Type: semi-static test

NOEC (*Daphnia magna* (Water flea)): > 0,5 mg/l
Exposure time: 22 d

Toxicity to algae : (*Pseudokirchneriella subcapitata*): > 969 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 201

(*Selenastrum capricornutum*): 1.000 mg/l
Exposure time: 72 h

EC50 (*Skeletonema costatum* (marine diatom)): 6.999 mg/l
Exposure time: 72 h

Toxicity to bacteria : EC10 (*Pseudomonas putida*): 4.168 mg/l
Exposure time: 18 h
Test Type: Growth inhibition

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 12 mg/l
Species: *Daphnia magna* (Water flea)

NOEC: > 0,5 mg/l
Exposure time: 22 d
Species: *Daphnia magna* (Water flea)

Lowest Observed Effect Concentration: > 0,5 mg/l
Exposure time: 22 d
Species: *Daphnia magna* (Water flea)



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12.2 Persistence and degradability

Product:

Biodegradability : Remarks: The surfactant(s) contained in this preparation complies (comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents.

Components:

BUTOXYPROPANOL:

Biodegradability : Biodegradation: 90 %
Exposure time: 28 d
Method: OECD 301 E
Remarks: Readily biodegradable, according to appropriate OECD test.

15763-76-5:

Biodegradability : Test Type: aerobic
Result: Readily biodegradable.
Biodegradation: > 60 %
Exposure time: 28 d
Method: OECD 301 B

ETHANOLAMINE:

Biodegradability : Test Type: aerobic
Inoculum: activated sludge
Result: Readily biodegradable.
Biodegradation: > 90 %
Exposure time: 21 d
Method: OECD 301 A

Biochemical Oxygen Demand (BOD) : 800 mg/g
Incubation time: 5 d

ThOD : 1,31 g/g

:

Biodegradability : Result: rapidly biodegradable
Biodegradation: > 60 %
Exposure time: 28 d
Method: OECD 301 B

PPG-2 METHYL ETHER:

Biodegradability : Biodegradation: > 70 %
Exposure time: 28 d
Method: OECD 301 E

Biodegradation: 75 %
Exposure time: 28 d
Method: OECD 301 F

Biodegradation: 93 %
Exposure time: 13 d
Method: OECD 302 B



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12.3 Bioaccumulative potential

Components:

BUTOXYPROPANOL:

Bioaccumulation : Bioconcentration factor (BCF): < 100
Remarks: Does not bioaccumulate.

Partition coefficient: n-octanol/water : log Pow: 3,2

15763-76-5:

Bioaccumulation : Remarks: Bioaccumulation is unlikely.

ETHANOLAMINE:

Bioaccumulation : Bioconcentration factor (BCF): 1

Remarks: Due to the distribution coefficient n-octanol/water, accumulation in organisms is not expected.

Partition coefficient: n-octanol/water : log Pow: -1,91 (25 °C)
Method: OECD Test Guideline 107

log Pow: -2,3 (25 °C)
pH: 6,8 - 7,3
Method: OECD Test Guideline 107

PPG-2 METHYL ETHER:

Bioaccumulation : Remarks: No bioaccumulation is to be expected (log Pow <= 4).

Partition coefficient: n-octanol/water : log Pow: 1,01

12.4 Mobility in soil

Components:

15763-76-5:

Stability in soil : Remarks: Not expected to adsorb on soil.

ETHANOLAMINE:

Distribution among environmental compartments : Medium:Soil
Koc: 5Remarks: Highly mobile in soils

Stability in soil : Remarks: Will not adsorb on soil.

12.5 Results of PBT and vPvB assessment

Components:

ETHANOLAMINE:

Assessment : This substance is not considered to be very persistent nor very bioaccumulating (vPvB).. This substance is not considered to be persistent, bioaccumulating nor toxic (PBT)..

PPG-2 METHYL ETHER:

Assessment : This substance is not considered to be very persistent nor very bioaccumulating (vPvB).. This substance is not considered to be persistent, bioaccumulating nor toxic (PBT)..



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12.6 Other adverse effects

Product:

Additional ecological information : There is no data available for this product.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

- Product : Offer surplus and non-recyclable solutions to a licensed disposal company.
- Contaminated packaging : Empty remaining contents.
Empty containers should be taken to an approved waste handling site for recycling or disposal.
- Waste Code : European Waste Catalogue
200129
According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

SECTION 14: Transport information

14.1 UN number

ADR

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

14.2 Proper shipping name

Not regulated as a dangerous good

14.3 Transport hazard class

ADR

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

14.4 Packing group

ADR

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

14.5 Environmental hazards

ADR

Not dangerous goods

IMDG

Not dangerous goods



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IATA

Not dangerous goods

14.6 Special precautions for user

For personal protection see section 8.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

SECTION 15: Regulatory information

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

Major Accident Hazard Legislation

96/82/EC : Update: 2003
Directive 96/82/EC does not apply

TA Luft List (Germany)

: Total dust: not applicable
: Inorganic substances in powdered form: not applicable
: Inorganic substances in vapour or gaseous form: : portionClass 3: < 0,01 %
: Organic Substances: : portionClass 1: 1,8 %
: Carcinogenic substances: not applicable
: Mutagenic: not applicable
: Toxic to reproduction: not applicable

Volatile organic compounds (VOC) content

: Percent volatile: 5,8 %
701,26 g/l
VOC content excluding water

Volatile organic compounds (VOC) content

: Percent volatile: 5,8 %
58,7 g/l
VOC content valid only for coating materials used on wood surfaces

15.2 Chemical Safety Assessment

There is no data available for this product.

SECTION 16: Other information

R20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
R34	Causes burns.
R36	Irritating to eyes.
R36/38	Irritating to eyes and skin.
R41	Risk of serious damage to eyes.

Full text of H-Statements

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.



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H335
H412

May cause respiratory irritation.
Harmful to aquatic life with long lasting effects.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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