

**AQUACER 1096 N**

Product code: 00000000000129653

Version 3.0 SDS\_APJ\_MY

Revision Date 17.11.2022

Print Date 09.08.2023

**SECTION 1: Identification of the hazardous chemical and of the supplier****Product identifier**

Product name : AQUACER 1096 N

Recommended use : Wax Additive

**Manufacturer or supplier's details**

Company : BYK Netherlands BV

Address : Danzigweg 23  
7418 EN Deventer

Telephone : +49 281 670-23532

Telefax : +49 281 670-23533

E-mail address : GHS.BYK@altana.com

Emergency telephone number : +60 3 6207 4347 (Malay and English)  
+65 3158 1074 (All languages)**SECTION 2: Hazards identification****Classification of the hazardous chemical**

Not a hazardous substance or mixture.

**Label elements**

Not a hazardous substance or mixture.

**Additional Labelling**The following percentage of the mixture consists of ingredient(s) with unknown acute toxicity:  
25.473 %

The following percentage of the mixture consists of ingredient(s) with unknown hazards to the aquatic environment: 25.473 %

**Other hazards which do not result in classification**

None known.

**SECTION 3: Composition and information of the ingredients of the hazardous chemical**

Substance / Mixture : Mixture

Chemical nature : Anionic emulsion of an oxidized HD polyethylene wax

**Components**

Chemical name	CAS-No.	Concentration (% w/w)
2-diethylaminoethanol	100-37-8	>= 0.1 -< 0.25

**SECTION 4: First aid measures**

General advice : Do not leave the victim unattended.

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If inhaled	:	If unconscious, place in recovery position and seek medical advice. If symptoms persist, call a physician.
In case of eye contact	:	Remove contact lenses. Protect unharmed eye. If eye irritation persists, consult a specialist.
If swallowed	:	Keep respiratory tract clear. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.
Most important symptoms and effects, both acute and delayed	:	None known.

**SECTION 5: Firefighting measures****Extinguishing media**

Suitable extinguishing media	:	Foam Carbon dioxide (CO <sub>2</sub> ) Dry chemical
		Foam Carbon dioxide (CO <sub>2</sub> ) Dry chemical
		Water
Unsuitable extinguishing media	:	High volume water jet
		High volume water jet

**Physicochemical hazards arising from the chemical**

Hazardous combustion products	:	Carbon oxides Nitrogen oxides (NO <sub>x</sub> )
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**Special protective equipment and precautions for fire-fighters**

Special protective equipment for firefighters	:	Wear self-contained breathing apparatus for firefighting if necessary.
Specific extinguishing methods	:	Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**SECTION 6: Accidental release measures**

Personal precautions,	:	Use personal protective equipment.
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protective equipment and  
emergency procedures

Environmental precautions : Try to prevent the material from entering drains or water courses.

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

### SECTION 7: Handling and storage

#### Handling

##### Precautions for safe handling

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

Advice on safe handling : For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the  
application area.

#### Storage

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

Conditions for safe storage : Electrical installations / working materials must comply with  
the technological safety standards.

Materials to avoid : No materials to be especially mentioned.

Further information on  
storage stability : No decomposition if stored and applied as directed.

### SECTION 8: Exposure controls and personal protection

#### Control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
2-diethylaminoethanol	100-37-8	TWA	2 ppm 9.6 mg/m <sup>3</sup>	MY PEL
	Further information: Skin			
		TWA	2 ppm	ACGIH

#### Individual protection measures, such as personal protective equipment

Eye/face protection : Safety glasses

Skin protection : Protective suit

Hand protection

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Material : Nitrile rubber  
Break through time : > 480 min  
Glove thickness : 0.4 mm  
Protective index : Class 6

Remarks : Wear suitable gloves.  
The information is based on our own tests, on data from literature and information from protective glove producers or is based on data obtained from similar substances.

Respiratory protection : No personal respiratory protective equipment normally required.

Hygiene measures : General industrial hygiene practice.

**SECTION 9: Physical and chemical properties**

Appearance : Emulsion

Colour : yellow - brown

Odour : amine-like

Odour Threshold : No data available

pH : 10.0

Melting point/range : 2 °C

Boiling point/boiling range : 100 °C

Flash point : Not applicable

Evaporation rate : No data available

Flammability (liquids) : Will not burn

Upper explosion limit / Upper flammability limit : No data available

Lower explosion limit / Lower flammability limit : No data available

Vapour pressure : No data available

Relative vapour density : No data available

Density : 0.99 g/cm<sup>3</sup> (20 °C, 1,013 hPa)

Solubility(ies)  
Water solubility : completely miscible

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Partition coefficient: n-octanol/water	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity		
Viscosity, dynamic	:	25 mPa.s Method: DIN 53019
Viscosity, kinematic	:	No data available

**SECTION 10: Stability and reactivity**

Reactivity	:	No decomposition if stored and applied as directed.
Chemical stability	:	No decomposition if stored and applied as directed.
Possibility of hazardous reactions	:	Stable under recommended storage conditions. No hazards to be specially mentioned.
Conditions to avoid	:	No data available
Incompatible materials	:	Strong acids and strong bases Strong oxidizing agents
Hazardous decomposition products	:	No hazardous decomposition products are known.

**SECTION 11: Toxicological information**

Information on likely routes of exposure : None known.

**Acute toxicity****Product:**

Acute inhalation toxicity	:	Acute toxicity estimate: > 20 mg/l Exposure time: 4 h Test atmosphere: vapour Method: Calculation method
Acute dermal toxicity	:	Acute toxicity estimate: > 2,000 mg/kg Method: Calculation method

**Components:****2-diethylaminoethanol:**

Acute oral toxicity	:	LD50 (Rat, male and female): 1,320 mg/kg
Acute inhalation toxicity	:	LC50 (Rat, male and female): 4.6 mg/l Exposure time: 4 h

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Test atmosphere: vapour

Acute dermal toxicity : LD50 (Guinea pig): 885 mg/kg

**Skin corrosion/irritation****Components:****2-diethylaminoethanol:**

Species : Rabbit  
Method : OECD Test Guideline 404  
Result : Corrosive

**Serious eye damage/eye irritation****Components:****2-diethylaminoethanol:**

Species : Rabbit  
Result : Risk of serious damage to eyes.

**Respiratory or skin sensitisation****Components:****2-diethylaminoethanol:**

Test Type : Maximisation Test  
Exposure routes : Dermal  
Species : Guinea pig  
Method : OECD Test Guideline 406  
Result : Does not cause skin sensitisation.

**Further information****Product:**

Remarks : No data available

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**SECTION 12: Ecological information****Ecotoxicity****Components:****2-diethylaminoethanol:**

Toxicity to fish : LC50 (Leuciscus idus (Golden orfe)): 147 mg/l  
Exposure time: 96 h  
Test Type: static test  
Method: DIN 38412

Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): 83.6 mg/l  
aquatic invertebrates : Exposure time: 48 h  
Test Type: static test  
Method: Directive 67/548/EEC, Annex V, C.2.

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Toxicity to algae/aquatic plants : ErC50 (Scenedesmus subspicatus): 44 mg/l  
Exposure time: 72 h  
Test Type: static test

NOEC (Scenedesmus subspicatus): 5 mg/l  
Exposure time: 72 h  
Test Type: static test

**Persistence and degradability****Components:****2-diethylaminoethanol:**

Biodegradability : aerobic  
Result: Readily biodegradable.  
Method: OECD Test Guideline 301A  
GLP: yes

**Bioaccumulative potential****Components:****2-diethylaminoethanol:**

Bioaccumulation : Species: Cyprinus carpio (Carp)  
Bioconcentration factor (BCF): < 6.1  
Exposure time: 28 d  
Method: OECD Test Guideline 305C

Partition coefficient: n-octanol/water : log Pow: 0.21 (23 °C)  
Method: OECD Test Guideline 107

**Mobility in soil**

No data available

**Other adverse effects****Product:**

Additional ecological information : No data available

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**SECTION 13: Disposal information****Disposal methods**

Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.

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**SECTION 14: Transport information****International Regulations****UNRTDG**

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UN number : Not applicable  
Proper shipping name : Not applicable  
Class : Not applicable  
Subsidiary risk : Not applicable  
Packing group : Not applicable  
Labels : Not applicable

**IATA-DGR**

UN/ID No. : Not applicable  
Proper shipping name : Not applicable  
Class : Not applicable  
Subsidiary risk : Not applicable  
Packing group : Not applicable  
Labels : Not applicable  
Packing instruction (cargo aircraft) : Not applicable  
Packing instruction (passenger aircraft) : Not applicable

**IMDG-Code**

UN number : Not applicable  
Proper shipping name : Not applicable  
Class : Not applicable  
Subsidiary risk : Not applicable  
Packing group : Not applicable  
Labels : Not applicable  
EmS Code : Not applicable  
Marine pollutant : Not applicable

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

Not applicable for product as supplied.

**Special precautions for user**

Not applicable

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**SECTION 15: Regulatory information****Safety, health, and environmental regulations specific for the hazardous chemical**

Occupational Safety and Health (Classification, Labelling and Safety Data Sheet of Hazardous Chemicals) Regulations 2013.

Occupational Safety and Health (Use and Standards of Exposure of Chemicals Hazardous to Health) Regulations 2000.

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**SECTION 16: Other information**

Date format : dd.mm.yyyy

**Full text of other abbreviations**

ACGIH : USA. ACGIH Threshold Limit Values (TLV)  
MY PEL : Malaysia. Occupational Safety and Health (Use and Standards of Exposure of Chemicals Hazardous to Health) Regulations 2000.

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ACGIH / TWA : 8-hour, time-weighted average  
MY PEL / TWA : Eight-hour time-weighted average airborne concentration

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECl - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

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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