

**AQUACER 537**

Version 2

Revision Date 05/01/2015

Print Date 05/19/2015

**SECTION 1. IDENTIFICATION**

Product name : AQUACER 537

**Manufacturer or supplier's details**

Company : BYK USA Inc.  
524 South Cherry Street  
Wallingford CT 06492

Telephone : (203) 265-2086  
Visit our web site : [www.byk.com](http://www.byk.com)  
E-mail address : [ehs.byk.usa@altana.com](mailto:ehs.byk.usa@altana.com)  
Emergency telephone : 203-265-2086; CHEMTREC 1-800-424-9300 / +1 703-527-3887  
number

**Recommended use of the chemical and restrictions on use**

Recommended use : Wax Additive

Restrictions on use : Refer to Section 15 for any restrictions that may apply

**SECTION 2. HAZARDS IDENTIFICATION****GHS Classification**

Skin irritation : Category 2

Eye irritation : Category 2A

**GHS Label element**

Hazard pictograms :



Signal word : Warning

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

Precautionary statements : **Prevention:**  
P264 Wash skin thoroughly after handling.  
P280 Wear eye protection/ face protection.  
P280 Wear protective gloves.

**Response:**  
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P332 + P313 If skin irritation occurs: Get medical advice/ attention.

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P337 + P313 If eye irritation persists: Get medical advice/  
attention.  
P362 Take off contaminated clothing and wash before reuse.

**Other hazards**

None known.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Substance / Mixture : Mixture

Chemical nature : Anionic emulsion based on a modified paraffin wax

**Hazardous components**

Component	CAS-No.	Concentration (%)
Diethylaminoethanol	100-37-8	>= 2 - < 3

**SECTION 4. FIRST AID MEASURES**

If inhaled : Remove to fresh air. Get medical aid as soon as possible. If breathing has stopped, trained personnel should administer rescue breathing, and CPR if the heart has stopped.

In case of skin contact : Remove contaminated clothing. Immediately flush contaminated skin w/water at least 20 min. Get medical aid as soon as possible.

In case of eye contact : Immediately flush with plenty of water for at least 30 minutes. Get medical aid.

If swallowed : Do not induce vomiting; aspiration hazard. Dilute with 1-2 glasses of water. Get medical aid. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into lungs. Never give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed : No information available.

**SECTION 5. FIREFIGHTING MEASURES**

Suitable extinguishing media : Foam  
Carbon dioxide (CO<sub>2</sub>)

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Dry chemical

- Unsuitable extinguishing media : No information available.
- Specific hazards during firefighting : Cool closed containers exposed to fire with water spray.  
Will not explode on mechanical impact.  
Water solution - will not support combustion.
- Hazardous combustion products : Carbon oxides  
Nitrogen oxides (NO<sub>x</sub>)  
Sulphur oxides
- Further information : Keep away from heat and sources of ignition.  
Keep away from oxidizing agents.
- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

- Personal precautions, protective equipment and emergency procedures : Eliminate all sources of ignition. Wear protective equipment: safety glasses, gloves and an appropriate respirator.
- Environmental precautions : Prevent spilled material from entering the ground, water and/or air by using appropriate containment methods.
- Methods and materials for containment and cleaning up : Stop leak. Dike and contain spill.  
Absorb with suitable material and remove with sparkless shovel and/or scoop.

**SECTION 7. HANDLING AND STORAGE**

- Advice on safe handling : Harmful in contact with skin.  
Avoid contact with skin and eyes.  
Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.  
Keep container closed when not in use.  
Handle as an industrial chemical.
- Conditions for safe storage : Keep in a dry, cool and well-ventilated place.  
Keep product and empty container away from heat and sources of ignition.  
Take measures to prevent the build up of electrostatic charge.
- Materials to avoid : Keep away from strong acids.  
Keep away from oxidizing agents.

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**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**
**Components with workplace control parameters**

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Diethylaminoethanol	100-37-8	TWA	2 ppm	ACGIH
		TWA	10 ppm 50 mg/m <sup>3</sup>	OSHA Z-1
		TWA	10 ppm 50 mg/m <sup>3</sup>	NIOSH REL

**Engineering measures** : Use with local exhaust ventilation.

**Personal protective equipment**

Respiratory protection : Unless air monitoring demonstrates vapor/mist/dust levels are below the PEL/TLV wear a properly fitted respirator (NIOSH approved) or dust mask during exposure.

Hand protection

Material : Nitrile rubber

Eye protection

: Safety glasses with side-shields  
Tightly fitting safety goggles

Skin and body protection

: Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.

Hygiene measures

: Handle in accordance with good industrial hygiene and safety practice.  
Clean long legged, long sleeved work clothes.  
If splashing is possible, wear chemically resistant protective clothing.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance : liquid

Colour : dark yellow

Odour : characteristic

Odour Threshold : No data available

pH : 9.5

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Melting point/range	: 36 °F (2 °C)
Boiling point/boiling range	: 212 °F (100 °C)
Flash point	: Not applicable
Evaporation rate	: No data available
Upper explosion limit	: No data available
Lower explosion limit	: No data available
Vapour pressure	: No data available
Relative vapour density	: No data available
Relative Density/Specific Gravity	: No data available
Density	: 0.98 g/cm <sup>3</sup> (68 °F (20 °C))
Solubility(ies)	
Water solubility	: completely miscible
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: No data available
Auto-ignition temperature	: No data available
Thermal decomposition	: No data available
Viscosity	
Viscosity, dynamic	: 40 mPa.s Method: No information available.

**SECTION 10. STABILITY AND REACTIVITY**

Reactivity	: Not classified as a reactivity hazard.
Chemical stability	: Stable; polymerization will not occur
Possibility of hazardous reactions	: No data available
Conditions to avoid	: No data available

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Incompatible materials : Acids  
Strong oxidizing agents

Hazardous decomposition products : No data available

**SECTION 11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure**

Inhalation  
Eyes  
Skin contact  
Skin absorption

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

Acute oral toxicity : Acute toxicity estimate : > 5,000 mg/kg  
Method: Calculation method

Acute inhalation toxicity : Acute toxicity estimate : > 40 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour  
Method: Calculation method

Acute dermal toxicity : Acute toxicity estimate : > 5,000 mg/kg  
Method: Calculation method

**Components:****100-37-8 Diethylaminoethanol:**

Acute oral toxicity : LD50 (Rat): 1,320 mg/kg

Acute dermal toxicity : LD50 (Rabbit): 1,000 mg/kg

**Skin corrosion/irritation****Product:**

Remarks: No data available

**Components:****100-37-8 Diethylaminoethanol:**

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

**Serious eye damage/eye irritation****Product:**

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Remarks: No data available

**Components:****100-37-8 Diethylaminoethanol:**

Species: Rabbit

Result: Corrosive to eyes

**Respiratory or skin sensitisation****Product:**

Remarks: No data available

**Components:****100-37-8 Diethylaminoethanol:**

Test Type: Maximisation Test (GPMT)

Exposure routes: Dermal

Species: Guinea pig

Method: OECD Test Guideline 406

Result: Does not cause skin sensitisation.

**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.

**ACGIH**

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

**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.

**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.

**Repeated dose toxicity****Product:**

Remarks: Solvent absorption by inhalation and/or repeated skin contact may cause injury to liver, kidney and respiratory system.

Reports have associated repeated and prolonged occupational exposure to solvents with permanent brain and nervous system damage.

Intentional misuse by deliberately concentrating and inhaling vapors may be harmful or fatal.

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**Experience with human exposure**

**Product:**

Inhalation:

Symptoms:

High concentrations of vapors may be irritating to the respiratory tract. May cause headaches, dizziness, nausea and vomiting. May cause CNS depression (drowsiness, loss of coordination and fatigue).

Skin contact:

Symptoms:

Contact will probably cause severe irritation and corrosion.

Eye contact:

Symptoms:

Contact will probably cause severe irritation and corrosion.

Ingestion:

Symptoms:

Ingestion will probably irritate the digestive tract; high dosages may cause CNS depression.

**Further information**

**Product:**

Remarks: No data available

**SECTION 12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

**Product:**

Toxicity to fish

:

Remarks: No data available

**Persistence and degradability**

**Product:**

Biodegradability

:

Remarks: No data available

**Bioaccumulative potential**

**Product:**

Bioaccumulation

:

Remarks: No data available



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**Mobility in soil**

No data available

**Other adverse effects**

No data available

**Product:**

Regulation 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances

Remarks This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

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

**SECTION 13. DISPOSAL CONSIDERATIONS****Disposal methods**

EPA Hazardous Waste Code(s) : Not applicable.

Waste from residues : Dispose of in accordance with applicable local/municipal, state/provincial and federal regulations.

**SECTION 14. TRANSPORT INFORMATION****International Regulation****IATA-DGR**

Not regulated as a dangerous good

**IMDG-Code**

Not regulated as a dangerous good

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

Not applicable for product as supplied.

**National Regulations****49 CFR**

Not regulated as a dangerous good

Container sizes: 55 gallon drums, 5 or 6-gallon pails, 2oz/16oz samples

**SECTION 15. REGULATORY INFORMATION**

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### EPCRA - Emergency Planning and Community Right-to-Know Act

#### CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

#### SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

#### SARA 302 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a SARA 302 RQ.

**SARA 311/312 Hazards** : Acute Health Hazard

**SARA 302** : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313** : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

### Clean Air Act

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

### Massachusetts Right To Know

Diethylaminoethanol 100-37-8

### Pennsylvania Right To Know

Water 7732-18-5

Wax -

Fatty Acid -

Diethylaminoethanol 100-37-8

### New Jersey Right To Know

Water 7732-18-5

Wax -

Fatty Acid -

Diethylaminoethanol 100-37-8

**New Jersey Trade Secret Registry Number for the product (NJ TSRN)** : 800963-5984

### California Prop 65

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

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CONEG Heavy Metal: We confirm that we use packaging and/or packaging components in which the sum of the incidental concentration levels of lead, mercury, cadmium and hexavalent chromium do not exceed 100 parts per million by weight.

**The components of this product are reported in the following inventories:**

- TSCA : We certify that all of the components of this product are either listed on the TSCA Inventory or are not subject to the notification requirements per 40 CFR 720.30(h).
  
- Section 4 / 12(b) : Not applicable
  
- DSL : We certify that all of the components of this product are listed on the DSL.

**SECTION 16. OTHER INFORMATION**

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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.