



# AFU Assay Reagent, Calibrator and Controls Safety Data Sheet 1200

according to Regulation (EC) No. 453/2010

Date of issue: 24/06/2015

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

### 1.1. Product identifier

Product form Mixture  
Product name AFU Assay  
Reagent R1, Calibrator and Controls  
Product code DZ082B  
DZ082B-R1, DZ082B-CAL, DZ082B-CON  
Product group Blend

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

#### 1.2.1. Relevant identified uses

No additional information available

#### 1.2.2. Uses advised against

No additional information available

### 1.3. Details of the supplier of the safety data sheet

Supplier: Diazyme Laboratories  
12889 Gregg Court  
92064 Poway  
T 858-455-4768

Authorized Representative: MDSS GmbH  
Schiffgraben 41  
Germany  
(+49) 511-6262-8630

### 1.4. Emergency telephone number

Emergency number Contact your local health authority or poison control center in an emergency. Manufacturer contact number for the US is as follows: (858) 455-4768

## SECTION 2 Hazards identification

### 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified (for all components)

### 2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

No labelling applicable (for all components)

### 2.3. Other hazards

Contains PBT/vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

## SECTION 3 Composition/information on ingredients

### 3.1. Substance

Not applicable

### 3.2. Mixture

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Triton X-100 substance listed as REACH Candidate (4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues]) non-classified PBT substance non-classified vPvB substance	(CAS No) 9002-93-1	0.1 (Reagent R1 only)	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318

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Full text of H-phrases: see section 16

#### SECTION 4 First aid measures

##### 4.1. Description of first aid measures

No additional information available

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

No additional information available

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

No additional information available

#### SECTION 5 Firefighting measures

##### 5.1. Extinguishing media

No additional information available

##### 5.2. Special hazards arising from the substance or mixture

No additional information available

##### 5.3. Advice for firefighters

No additional information available

#### SECTION 6 Accidental release measures

##### 6.1. Personal precautions, protective equipment and emergency procedures

###### 6.1.1. For non-emergency personnel

No additional information available

###### 6.1.2. For emergency responders

No additional information available

##### 6.2. Environmental precautions

No additional information available

##### 6.3. Methods and material for containment and cleaning up

No additional information available

##### 6.4. Reference to other sections

No additional information available

#### SECTION 7 Handling and storage

##### 7.1. Precautions for safe handling

No additional information available

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

No additional information available

##### 7.3. Specific end use(s)

No additional information available

#### SECTION 8 Exposure controls/personal protection

##### 8.1. Control parameters

No additional information available

##### 8.2. Exposure controls

No additional information available

#### SECTION 9 Physical and chemical properties

##### 9.1. Information on basic physical and chemical properties

Physical state	Liquid
Colour	No data available
Odour	No data available
Odour threshold	No data available
pH	No data available
Relative evaporation rate (butylacetate=1)	No data available
Melting point	No data available

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Freezing point	No data available
Boiling point	No data available
Flash point	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Flammability (solid, gas)	No data available
Vapour pressure	No data available
Relative vapour density at 20 °C	No data available
Relative density	No data available
Solubility	No data available
Log Pow	No data available
Viscosity, kinematic	No data available
Viscosity, dynamic	No data available
Explosive properties	No data available
Oxidising properties	No data available
Explosive limits	No data available

#### 9.2. Other information

No additional information available

### SECTION 10 Stability and reactivity

#### 10.1. Reactivity

No additional information available

#### 10.2. Chemical stability

No additional information available

#### 10.3. Possibility of hazardous reactions

No additional information available

#### 10.4. Conditions to avoid

No additional information available

#### 10.5. Incompatible materials

No additional information available

#### 10.6. Hazardous decomposition products

No additional information available

### SECTION 11 Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity Not classified

Triton X-100 (9002-93-1)	
LD50 oral rat	1800 mg/kg (Rat)
LD50 dermal rabbit	> 3000 mg/kg (Rabbit)

Skin corrosion/irritation	Not classified
Serious eye damage/irritation	Not classified
Respiratory or skin sensitisation	Not classified
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	Not classified
Specific target organ toxicity (single exposure)	Not classified
Specific target organ toxicity (repeated exposure)	Not classified
Aspiration hazard	Not classified

### SECTION 12 Ecological information

#### 12.1. Toxicity

Triton X-100 (9002-93-1)	
LC50 fish 1	> 10 mg/l (96 h; Lepomis macrochirus; Toxicity test)

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<b>Triton X-100 (9002-93-1)</b>	
EC50 Daphnia 1	26 mg/l (48 h; Daphnia magna)
EC50 other aquatic organisms 1	10 mg/l (336 h; Lemna sp.; Biomass)
LC50 fish 2	8.9 mg/l (96 h; Pimephales promelas)
Threshold limit algae 1	500 mg/l (504 h; Selenastrum capricornutum; Cell numbers)

#### 12.2. Persistence and degradability

<b>Triton X-100 (9002-93-1)</b>	
Persistence and degradability	Biodegradable in water.
ThOD	2.16 g O <sub>2</sub> /g substance

#### 12.3. Bioaccumulative potential

<b>Triton X-100 (9002-93-1)</b>	
Log Pow	4.86 (Estimated value)

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Results of PBT and vPvB assessment

Component	
Triton X-100 (9002-93-1)	This substance/mixture meets the PBT criteria of REACH regulation, annex XIII This substance/mixture meets the vPvB criteria of REACH regulation, annex XIII

#### 12.6. Other adverse effects

No additional information available

### SECTION 13 Disposal considerations

#### 13.1. Waste treatment methods

No additional information available

### SECTION 14 Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

#### 14.1. UN number

Not regulated for transport

#### 14.2. UN proper shipping name

Proper Shipping Name (ADR)	Not applicable
Proper Shipping Name (IMDG)	Not applicable
Proper Shipping Name (IATA)	Not applicable
Proper Shipping Name (ADN)	Not applicable
Proper Shipping Name (RID)	Not applicable

#### 14.3. Transport hazard class(es)

**ADR**  
Transport hazard class(es) (ADR) Not applicable

**IMDG**  
Transport hazard class(es) (IMDG) Not applicable

**IATA**  
Transport hazard class(es) (IATA) Not applicable

**ADN**  
Transport hazard class(es) (ADN) Not applicable

**RID**  
Transport hazard class(es) (RID) Not applicable

#### 14.4. Packing group

Packing group (ADR)	Not applicable
Packing group (IMDG)	Not applicable
Packing group (IATA)	Not applicable

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Packing group (ADN)	Not applicable
Packing group (RID)	Not applicable

#### 14.5. Environmental hazards

Dangerous for the environment	No
Marine pollutant	No
Other information	No supplementary information available

#### 14.6. Special precautions for user

##### - Overland transport

No data available

##### - Transport by sea

No data available

##### - Air transport

No data available

##### - Inland waterway transport

Carriage prohibited (ADN)	No
Not subject to ADN	No

##### - Rail transport

Carriage prohibited (RID)	No
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#### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

### SECTION 15 Regulatory information

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

##### 15.1.1. EU-Regulations

Contains no substances with Annex XVII restrictions

Contains a substance on the REACH candidate list in concentration  $\geq 0.1\%$  or with a lower specific limit: 4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues] (CAS 9002-93-1)

Contains no REACH Annex XIV substances

##### 15.1.2. National regulations

###### Germany

VwVwS Annex reference	Water hazard class (WGK) nwg, Non-hazardous to water (Classification according to VwVwS, Annex 4)
12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV	Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

###### Netherlands

SZW-lijst van kankerverwekkende stoffen	None of the components are listed
SZW-lijst van mutagene stoffen	None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding	None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid	None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling	None of the components are listed

#### 15.2. Chemical safety assessment

No additional information available

### SECTION 16 Other information

Full text of H- and EUH-statements

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Eye Dam. 1	Serious eye damage/eye irritation, Category 1

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H302	Harmful if swallowed
H318	Causes serious eye damage

SDS EU Diazyme with CLP

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*