

Creation Date 18-Aug-2009

Revision Date 24-Jul-2017

Revision Number 2

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****1.1. Product identification**

Product Description: **BactiDrop™ Calcofluor White**  
Cat No.: **R21507**

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

Recommended Use Laboratory chemicals.  
Uses advised against No Information available

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

|                |   |  |
|----------------|---|--|
| Company        | Remel<br>12076 Santa Fe Drive<br>Lenexa, KS 66215 United States<br>Telephone: 1-800-255-6730<br>Fax: 1-800-621-8251 | Supplier<br>Oxoid Ltd.<br>Wade Road<br>Basingstoke, Hants, UK<br>RG24 8PW<br>Telephone: +44 (0) 1256 841144. |
| E-mail address | mbd-sds@thermofisher.com  |  |

**1.4. Emergency telephone number**

Carechem 24: +44 (0) 1865 407333

**SECTION 2: HAZARDS IDENTIFICATION****2.1. Classification of the substance or mixture****CLP Classification - Regulation (EC) No 1272/2008**

Not hazardous

**Physical hazards**

Based on available data, the classification criteria are not met

**Health hazards**

Based on available data, the classification criteria are not met

**Environmental hazards**

Based on available data, the classification criteria are not met

**2.2. Label elements**

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Signal Word None

Hazard Statements

Precautionary Statements

## 2.3. Other hazards

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2. Mixtures

| Component   | CAS-No    | EC-No.            | Weight % | CLP Classification - Regulation (EC) No 1272/2008 |
|---|-----------|-------------------|----------|---|
| Benzenesulfonic acid, 2,2'-(1,2-ethenediyil)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- | 4404-43-7 | EEC No. 224-548-7 | 0.1      | -   |

Full text of Hazard Statements: see section 16

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

**Eye Contact** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Obtain medical attention.

**Skin Contact** Wash off immediately with soap and plenty of water. Obtain medical attention if irritation persists.

**Ingestion** Clean mouth with water and drink afterwards plenty of water. Get medical attention if symptoms occur.

**Inhalation** Move to fresh air. Get medical attention immediately if symptoms occur.

**Protection of First-aiders** No special precautions required.

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

None reasonably foreseeable.

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

**Notes to Physician** Treat symptomatically.

## SECTION 5: FIREFIGHTING MEASURES

### 5.1. Extinguishing media

**Suitable Extinguishing Media**

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Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Extinguishing media which must not be used for safety reasons**  
No information available.

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

Thermal decomposition can lead to release of irritating gases and vapors.

### **Hazardous Combustion Products**

None under normal use conditions.

## **5.3. Advice for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

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

Ensure adequate ventilation. Use personal protective equipment. Avoid contact with skin, eyes and clothing.

### **6.2. Environmental precautions**

Should not be released into the environment. See Section 12 for additional ecological information.

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

Soak up with inert absorbent material. Clean contaminated surface thoroughly.

### **6.4. Reference to other sections**

Refer to protective measures listed in Sections 8 and 13.

## **SECTION 7: HANDLING AND STORAGE**

### **7.1. Precautions for safe handling**

Wear personal protective equipment. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Avoid ingestion and inhalation.

#### **Hygiene Measures**

Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing before re-use. Wash hands before breaks and at the end of workday.

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

Keep containers tightly closed in a cool, well-ventilated place.

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

Use in laboratories

## **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

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## 8.1. Control parameters

### **Exposure limits**

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies

### **Biological limit values**

This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

### **Monitoring methods**

BS EN 14042:2003 Title Identifier: Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents.

**Derived No Effect Level (DNEL)**      No information available

| Route of exposure | Acute effects (local) | Acute effects (systemic) | Chronic effects (local) | Chronic effects (systemic) |
|-------------------|-----------------------|--------------------------|-------------------------|----------------------------|
| Oral              |                       |                          |                         |                            |
| Dermal            |                       |                          |                         |                            |
| Inhalation        |                       |                          |                         |                            |

**Predicted No Effect Concentration (PNEC)**      No information available.

## 8.2. Exposure controls

### **Engineering Measures**

None under normal use conditions.

### **Personal protective equipment**

**Eye Protection**      Safety glasses with side-shields (European standard - EN 166)

**Hand Protection**      Protective gloves

| Glove material                  | Breakthrough time                 | Glove thickness       | EU standard | Glove comments (minimum requirement) |
|---------------------------------|-----------------------------------|-----------------------|-------------|--------------------------------------|
| Disposable gloves               | See manufacturers recommendations | -                     | EN 374      |                                      |
| <b>Skin and body protection</b> |                                   | Long sleeved clothing |             |                                      |

Inspect gloves before use.

Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. (Refer to manufacturer/supplier for information)

Ensure gloves are suitable for the task: Chemical compatibility, Dexterity, Operational conditions, User susceptibility, e.g. sensitisation effects, also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion.

Remove gloves with care avoiding skin contamination.

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|  |   |
|--|---|
| <b>Respiratory Protection</b>          | No protective equipment is needed under normal use conditions.  |
| <b>Large scale/emergency use</b>       | Use a NIOSH/MSHA or European Standard EN 136 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced<br><b>Recommended Filter type:</b> Inorganic gases and vapours filter |
| <b>Small scale/Laboratory use</b>      | Maintain adequate ventilation   |
| <b>Environmental exposure controls</b> | No information available.   |

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

|  |                          |
|--|--------------------------|
| <b>Appearance</b>                              | Blue                     |
| <b>Physical State</b>                          | Liquid                   |
| <b>Odor</b>                                    | No information available |
| <b>Odor Threshold</b>                          | No data available        |
| <b>pH</b>                                      | Not applicable           |
| <b>Melting Point/Range</b>                     | No data available        |
| <b>Softening Point</b>                         | No data available        |
| <b>Boiling Point/Range</b>                     | Not applicable           |
| <b>Flash Point</b>                             | Not applicable           |
| <b>Evaporation Rate</b>                        | No data available        |
| <b>Flammability (solid,gas)</b>                | Not applicable           |
| <b>Explosion Limits</b>                        | No data available        |
| <b>Vapor Pressure</b>                          | No data available        |
| <b>Vapor Density</b>                           | No data available        |
| <b>Specific Gravity / Density</b>              | (Air = 1.0)              |
| <b>Bulk Density</b>                            | Not applicable           |
| <b>Water Solubility</b>                        | No information available |
| <b>Solubility in other solvents</b>            | No information available |
| <b>Partition Coefficient (n-octanol/water)</b> | No data available        |
| <b>Autoignition Temperature</b>                | No data available        |
| <b>Decomposition Temperature</b>               | No data available        |
| <b>Viscosity</b>                               | No data available        |
| <b>Explosive Properties</b>                    | No information available |
| <b>Oxidizing Properties</b>                    | No information available |

### 9.2. Other information

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

None known, based on information available

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

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**Hazardous Polymerization** Hazardous polymerization does not occur.  
**Hazardous Reactions** None under normal processing.

**10.4. Conditions to avoid** Incompatible products. Excess heat.

**10.5. Incompatible materials** None known.

**10.6. Hazardous decomposition products** None under normal use conditions.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

#### Product Information

**(a) acute toxicity;**  
Oral Based on available data, the classification criteria are not met  
Dermal No data available  
Inhalation Based on available data, the classification criteria are not met

#### Toxicology data for the components

| Component  | LD50 Oral                  | LD50 Dermal | LC50 Inhalation              |
|--|----------------------------|-------------|------------------------------|
| Benzenesulfonic acid, 2,2'-(1,2-ethenediy)bis[5-[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- | LD50 > 15000 mg/kg ( Rat ) |             | LC50 > 1.82 mg/L ( Rat ) 1 h |

**(b) skin corrosion/irritation;** No data available

**(c) serious eye damage/irritation;** No data available

**(d) respiratory or skin sensitization;**  
Respiratory No data available  
Skin No data available

**(e) germ cell mutagenicity;** No data available

**(f) carcinogenicity;** No data available  
There are no known carcinogenic chemicals in this product

**(g) reproductive toxicity;** No data available

**(h) STOT-single exposure;** No data available

**(i) STOT-repeated exposure;** No data available

Target Organs None known.

**(j) aspiration hazard;** No data available

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**Symptoms / effects, both acute and delayed** No information available

## SECTION 12: ECOLOGICAL INFORMATION

### **12.1. Toxicity**

#### **Ecotoxicity effects**

Contains no substances known to be hazardous to the environment or that are not degradable in waste water treatment plants.

### **12.2. Persistence and degradability** No information available

### **12.3. Bioaccumulative potential**

No information available

### **12.4. Mobility in soil**

No information available

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

No data available for assessment.

### **12.6. Other adverse effects**

#### **Endocrine Disruptor Information**

This product does not contain any known or suspected endocrine disruptors

#### **Persistent Organic Pollutant**

This product does not contain any known or suspected substance

#### **Ozone Depletion Potential**

This product does not contain any known or suspected substance

## SECTION 13: DISPOSAL CONSIDERATIONS

### **13.1. Waste treatment methods**

#### **Waste from Residues / Unused Products**

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

#### **Contaminated Packaging**

Empty remaining contents. Dispose of in accordance with local regulations. Do not re-use empty containers.

#### **European Waste Catalogue (EWC)**

According to the European Waste Catalogue, Waste Codes are not product specific, but application specific.

#### **Other Information**

Waste codes should be assigned by the user based on the application for which the product was used.

## SECTION 14: TRANSPORT INFORMATION

### **IMDG/IMO**

Not regulated

#### **14.1. UN number**

#### **14.2. UN proper shipping name**

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

#### **14.4. Packing group**

### **ADR**

Not regulated

#### **14.1. UN number**

#### **14.2. UN proper shipping name**

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## 14.3. Transport hazard class(es)

### 14.4. Packing group

#### IATA

Not regulated

#### 14.1. UN number

#### 14.2. UN proper shipping name

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

#### 14.4. Packing group

#### 14.5. Environmental hazards

No hazards identified

#### 14.6. Special precautions for user

No special precautions required

#### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

## SECTION 15: REGULATORY INFORMATION

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

#### International Inventories

X = listed

| Component   | EINECS    | ELINCS | NLP | TSCA | DSL | NDSL | PICCS | ENCS | IECSC | AICS | KECL |
|---|-----------|--------|-----|------|-----|------|-------|------|-------|------|------|
| Benzenesulfonic acid, 2,2'-(1,2-ethenediy)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- | 224-548-7 | -      |     | X    | X   | -    | X     | X    | X     | X    | -    |

#### National Regulations

| Component   | Germany - Water Classification (VwVwS) | Germany - TA-Luft Class |
|---|--|-------------------------|
| Benzenesulfonic acid, 2,2'-(1,2-ethenediy)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- | WGK 1                                  |                         |

Take note of Control of Substances Hazardous to Health Regulations (COSHH) 2002 and 2005 Amendment.

### 15.2. Chemical safety assessment

Chemical Safety Assessment/Reports (CSA/CSR) are not required for mixtures

## SECTION 16: OTHER INFORMATION

### Full text of H-Statements referred to under sections 2 and 3

Not applicable

#### Legend

**CAS** - Chemical Abstracts Service

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**EINECS/ELINCS** - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

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**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**IECSC** - Chinese Inventory of Existing Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances

**ENCS** - Japanese Existing and New Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances  
**NZIoC** - New Zealand Inventory of Chemicals

**WEL** - Workplace Exposure Limit  
**ACGIH** - American Conference of Governmental Industrial Hygienists  
**DNEL** - Derived No Effect Level  
**RPE** - Respiratory Protective Equipment  
**LC50** - Lethal Concentration 50%  
**NOEC** - No Observed Effect Concentration  
**PBT** - Persistent, Bioaccumulative, Toxic

**TWA** - Time Weighted Average  
**IARC** - International Agency for Research on Cancer  
**PNEC** - Predicted No Effect Concentration  
**LD50** - Lethal Dose 50%  
**EC50** - Effective Concentration 50%  
**POW** - Partition coefficient Octanol:Water  
**vPvB** - very Persistent, very Bioaccumulative

**ADR** - European Agreement Concerning the International Carriage of Dangerous Goods by Road  
**IMO/IMDG** - International Maritime Organization/International Maritime Dangerous Goods Code  
**OECD** - Organisation for Economic Co-operation and Development  
**BCF** - Bioconcentration factor

**ICAO/IATA** - International Civil Aviation Organization/International Air Transport Association  
**MARPOL** - International Convention for the Prevention of Pollution from Ships  
**ATE** - Acute Toxicity Estimate  
**VOC** - Volatile Organic Compounds

## Key literature references and sources for data

Suppliers safety data sheet, Chemadvisor - LOLI, Merck index, RTECS

## Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

|                              |                       |
|------------------------------|-----------------------|
| <b>Physical hazards</b>      | On basis of test data |
| <b>Health Hazards</b>        | Calculation method    |
| <b>Environmental hazards</b> | Calculation method    |

## Training Advice

Chemical hazard awareness training, incorporating labelling, Safety Data Sheets (SDS), Personal Protective Equipment (PPE) and hygiene.

|                         |                       |
|-------------------------|-----------------------|
| <b>Creation Date</b>    | 18-Aug-2009           |
| <b>Revision Date</b>    | 24-Jul-2017           |
| <b>Revision Summary</b> | Update to CLP Format. |

## Disclaimer

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**End of Safety Data Sheet**