

Becton, Dickinson and  
Company  
BD, Franklin Lakes, NJ  
07417 USA  
www.bd.com

# SAFETY DATA SHEET

## 1. Identification of the substance or mixture and of the supplier

### Product identifier

Product No.:	Product name:	Common name(s), synonym(s)
212523	BD BBL™ TB Brilliant Green K	No data available

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

**Recommended use:** Scientific and industrial laboratory use. For In Vitro Diagnostic Use.

**Recommended restrictions:** None known.

### Supplier's details

#### Supplier

Company Name: Becton Dickinson Ltd.  
Address: 14B George Bourke Drive  
Mt Wellington, Auckland, 1060  
Telephone: 0800 572 468  
Fax:  
Contact Person: Customer Service  
E-mail: bd\_anz@bd.com

**Emergency telephone number:** ChemTrec New Zealand: +(64)-98010034

## 2. Hazard(s) identification

### GHS classification

#### Health Hazards

Skin sensitizer

Category 1

### Label Elements

#### Pictograms:



**Signal Word:** Warning

**Hazard Statement:** May cause an allergic skin reaction.

#### Precautionary Statements

**Prevention:** Avoid breathing dust/fume/gas/mist/vapors/spray. Contaminated



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work clothing should not be allowed out of the workplace. Wear protective gloves.

**Response:** IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Specific treatment (see supplemental first aid instructions on this label). Take off contaminated clothing and wash it before reuse.

**Disposal:** Dispose of contents/ container to an approved facility in accordance with local, regional, national and international regulations.

**Other hazards which do not result in GHS classification:** None.

### 3. Composition/information on ingredients

#### Mixtures

Chemical Identity	Common name and synonyms	CAS number	Content in percent (%) <sup>*</sup>
Ethanaminium, N-[4-[[4-(diethylamino)phenyl]phenylmethylene]-2,5-cyclohexadien-1-ylidene]-N-ethyl-, sulfate	No data available.	633-03-4	0.1 - 1%
Sodium hydroxide (Na(OH))	No data available.	1310-73-2	<0.1%

<sup>\*</sup> All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

The exact concentration has been withheld as a trade secret.

### 4. First-aid measures

#### Description of necessary first-aid measures

<b>General information:</b>	Get medical attention if symptoms occur.
<b>Inhalation:</b>	Provide fresh air, warmth and rest, preferably in comfortable upright sitting position.
<b>Skin Contact:</b>	Wash contact areas with soap and water. Remove contaminated clothing. Launder contaminated clothing before reuse.
<b>Eye contact:</b>	Flush thoroughly with water. If irritation occurs, get medical assistance.
<b>Ingestion:</b>	Get medical attention if symptoms occur.
<b>Personal Protection for First-aid Responders:</b>	No data available.

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**Most important symptoms and effects, both acute and delayed**  
**Symptoms:** Symptoms may be delayed.

**Hazards:** May cause an allergic skin reaction.

**Indication of immediate medical attention and special treatment needed**

**Treatment:** Important! Immediately rinse with water for 15-30 minutes. Get medical attention if symptoms occur.

**5. Fire-fighting measures**

**General Fire Hazards:** Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Use water spray to keep fire-exposed containers cool.

**Suitable (and unsuitable) extinguishing media**

**Suitable extinguishing media:** Water spray, fog, CO2, dry chemical, or alcohol resistant foam.

**Unsuitable extinguishing media:** None known.

**Special hazards arising from the substance or mixture:** None known.

**Special protective equipment and precautions for fire-fighters**

**Special fire-fighting procedures:** No unusual fire or explosion hazards noted.

**Special protective equipment for fire-fighters:** Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

**6. Accidental release measures**

**Personal precautions, protective equipment and emergency procedures:** No special precautionary health measures should be needed under anticipated conditions of use.

**Accidental release measures:** No data available.  
**Methods and material for containment and cleaning up:** No specific clean-up procedure noted.

**Environmental Precautions:** Avoid release to the environment.

**7. Handling and storage**

**Handling**

**Technical measures (e.g. Local and general ventilation):** No special requirements under ordinary conditions of use and with adequate ventilation.



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- Safe handling advice:** When using do not eat, drink or smoke. Read and follow manufacturer's recommendations. Use personal protective equipment as required.
- Contact avoidance measures:** No data available.
- Storage**
- Safe storage conditions:** Store in a cool, dry place. Keep container tightly closed.
- Safe packaging materials:** No data available.

## 8. Exposure controls/personal protection

### Control Parameters

#### Occupational Exposure Limits

Chemical Identity	Type	Exposure Limit Values	Source
Sodium hydroxide (Na(OH))	CEILING	2 mg/m <sup>3</sup>	New Zealand. WES. (Workplace Exposure Standards), as amended (09 2010)

Please refer to the latest edition of the appropriate source text and consult an industrial hygienist or similar professional, or local agencies, for further information.

### Biological Limit Values

No biological exposure limits noted for the ingredient(s).

**Appropriate Engineering Controls:** No special requirements under ordinary conditions of use and with adequate ventilation.

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

- General information:** Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned.
- Eye/face protection:** Wear safety glasses with side shields (or goggles).
- Skin Protection**
- Hand Protection:** Chemical resistant gloves
- Other:** Wear a lab coat or similar protective clothing.
- Respiratory Protection:** Respiratory protection not required.
- Hygiene measures:** Observe good industrial hygiene practices.



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## 9. Physical and chemical properties

### Information on basic physical and chemical properties

#### Appearance

<b>Physical state:</b>	liquid
<b>Form:</b>	liquid
<b>Color:</b>	According to product specification.
<b>Odor:</b>	Characteristic
<b>Odor Threshold:</b>	No data available.
<b>Freezing point:</b>	No data available.
<b>Boiling Point:</b>	No data available.
<b>Flammability:</b>	No data available.

#### Upper/lower limit on flammability or explosive limits

<b>Explosive limit - upper:</b>	No data available.
<b>Explosive limit - lower:</b>	No data available.
<b>Flash Point:</b>	Not applicable
<b>Self Ignition Temperature:</b>	No data available.
<b>Decomposition Temperature:</b>	No data available.
<b>pH:</b>	No data available.

#### Viscosity

<b>Dynamic viscosity:</b>	Not determined.
<b>Kinematic viscosity:</b>	Not determined.
<b>Flow Time:</b>	No data available.

#### Solubility(ies)

<b>Solubility in Water:</b>	Completely Soluble
<b>Solubility (other):</b>	No data available.
<b>Partition coefficient (n-octanol/water):</b>	No data available.
<b>Vapor pressure:</b>	No data available.
<b>Relative density:</b>	No data available.
<b>Density:</b>	No data available.
<b>Bulk density:</b>	No data available.
<b>Relative vapor density:</b>	No data available.

#### Particle characteristics

<b>Particle Size:</b>	No data available.
<b>Particle Size Distribution:</b>	No data available.
<b>Specific surface area:</b>	No data available.
<b>Surface charge/Zeta potential:</b>	No data available.
<b>Shape:</b>	No data available.



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**Crystallinity:** No data available.  
**Surface treatment:** No data available.

**Other information**

**Metal Corrosion:** Non-corrosive per US Department of Transportation testing protocol.

**10. Stability and reactivity**

**Reactivity:** Material is stable under normal conditions.  
**Chemical Stability:** Material is stable under normal conditions.  
**Possibility of hazardous reactions:** Not known.  
**Conditions to avoid:** Avoid exposure to high temperatures or direct sunlight.  
**Incompatible Materials:** Strong oxidizers.  
**Hazardous Decomposition Products:** Not known.

**11. Toxicological information**

**Information on toxicological effects**

**Inhalation:** No data available.  
**Skin Contact:** This material has a low potential to cause allergic skin reactions; however, cases of human skin sensitization have been reported.  
**Eye contact:** No data available.  
**Ingestion:** No data available.

**Information on likely routes of exposure**

**Acute toxicity (list all possible routes of exposure)**

**Oral**

**Product:** Not classified for acute toxicity based on available data.

**Components:**

Ethanaminium, N-[4-[[4-(diethylamino)phenyl]phenylmethylene]-2,5-cyclohexadien-1-ylidene]-N-ethyl-, sulfate  
Sodium hydroxide

LD 50 (Rat): 410 mg/kg  
No data available.

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(Na(OH))

**Dermal**

**Product:** Not classified for acute toxicity based on available data.

**Components:**

Ethanaminium, N-[4-[[4-(diethylamino)phenyl]phenylmethylene]-2,5-cyclohexadien-1-ylidene]-N-ethyl-, sulfate	No data available.
Sodium hydroxide (Na(OH))	No data available.

**Inhalation**

**Product:** Not classified for acute toxicity based on available data.

**Components:**

Ethanaminium, N-[4-[[4-(diethylamino)phenyl]phenylmethylene]-2,5-cyclohexadien-1-ylidene]-N-ethyl-, sulfate	No data available.
Sodium hydroxide (Na(OH))	No data available.

**Repeated dose toxicity**

**Product:** No data available.

**Components:**

Ethanaminium, N-[4-[[4-(diethylamino)phenyl]phenylmethylene]-2,5-cyclohexadien-1-ylidene]-N-ethyl-, sulfate	No data available.
Sodium hydroxide (Na(OH))	No data available.

**Skin Corrosion/Irritation**

**Product:** No data available.

**Components:**

Ethanaminium, N-[4-[[4-(diethylamino)phenyl]phenylmethylene]-2,5-cyclohexadien-1-ylidene]-N-ethyl-, sulfate	No data available.
Sodium hydroxide (Na(OH))	No data available.

**Serious Eye Damage/Eye Irritation**

**Product:** No data available.

**Components:**

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Ethanaminium, N-[4-[[4-(diethylamino)phenyl]phenylmethylene]-2,5-cyclohexadien-1-ylidene]-N-ethyl-, sulfate	No data available.
Sodium hydroxide (Na(OH))	Mild irritant in vivo Rabbit, 4 d: OECD GHS Mild irritant in vivo Rabbit, 2 d: OECD GHS Mild irritant in vivo Rabbit, 1 d: OECD GHS Mild irritant in vivo Rabbit, 3 d: OECD GHS

#### Respiratory or Skin Sensitization

**Product:** No data available.

**Components:**

Ethanaminium, N-[4-[[4-(diethylamino)phenyl]phenylmethylene]-2,5-cyclohexadien-1-ylidene]-N-ethyl-, sulfate	No data available.
Sodium hydroxide (Na(OH))	No data available.

#### Carcinogenicity

**Product:** No data available.

**Components:**

Ethanaminium, N-[4-[[4-(diethylamino)phenyl]phenylmethylene]-2,5-cyclohexadien-1-ylidene]-N-ethyl-, sulfate	No data available.
Sodium hydroxide (Na(OH))	No data available.

#### IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

No carcinogens present or none present in regulated quantities

#### US. National Toxicology Program (NTP) Report on Carcinogens:

No carcinogens present or none present in regulated quantities

#### Germ Cell Mutagenicity

##### In vitro

**Product:** No data available.

**Components:**

Ethanaminium, N-[4-[[4-(diethylamino)phenyl]phenylmethylene]-2,5-cyclohexadien-1-ylidene]-N-ethyl-, sulfate	No data available.
Sodium hydroxide (Na(OH))	No data available.

##### In vivo

**Product:** No data available.

**Components:**



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Ethanaminium, N-[4-[[4-(diethylamino)phenyl]phenylmethylene]-2,5-cyclohexadien-1-ylidene]-N-ethyl-, sulfate  
Sodium hydroxide (Na(OH))

No data available.  
No data available.

**Reproductive toxicity**

**Product:** No data available.

**Components:**

Ethanaminium, N-[4-[[4-(diethylamino)phenyl]phenylmethylene]-2,5-cyclohexadien-1-ylidene]-N-ethyl-, sulfate  
Sodium hydroxide (Na(OH))

No data available.  
No data available.

**Specific Target Organ Toxicity - Single Exposure**

**Product:** No data available.

**Components:**

Ethanaminium, N-[4-[[4-(diethylamino)phenyl]phenylmethylene]-2,5-cyclohexadien-1-ylidene]-N-ethyl-, sulfate  
Sodium hydroxide (Na(OH))

No data available.  
No data available.

**Specific Target Organ Toxicity - Repeated Exposure**

**Product:** No data available.

**Components:**

Ethanaminium, N-[4-[[4-(diethylamino)phenyl]phenylmethylene]-2,5-cyclohexadien-1-ylidene]-N-ethyl-, sulfate  
Sodium hydroxide (Na(OH))

No data available.  
No data available.

**Aspiration Hazard**

**Product:** No data available.

**Components:**

Ethanaminium, N-[4-[[4-(diethylamino)phenyl]phenylmethylene]-2,5-cyclohexadien-1-ylidene]-N-ethyl-, sulfate  
Sodium hydroxide (Na(OH))

No data available.  
No data available.



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## Information on health hazards

### Other hazards

**Product:** No data available.

## 12. Ecological information

### Ecotoxicity:

#### Acute hazards to the aquatic environment:

##### Fish

**Product:** No data available.

##### Components:

Ethanaminium, N-[4-[[4-(diethylamino)phenyl]phenylmethylene]-2,5-cyclohexadien-1-ylidene]-N-ethyl-, sulfate  
Sodium hydroxide (Na(OH)) No data available.

##### Aquatic Invertebrates

**Product:** No data available.

##### Components:

Ethanaminium, N-[4-[[4-(diethylamino)phenyl]phenylmethylene]-2,5-cyclohexadien-1-ylidene]-N-ethyl-, sulfate  
Sodium hydroxide (Na(OH)) No data available.

##### Toxicity to Aquatic Plants

**Product:** No data available.

##### Components:

Ethanaminium, N-[4-[[4-(diethylamino)phenyl]phenylmethylene]-2,5-cyclohexadien-1-ylidene]-N-ethyl-, sulfate  
Sodium hydroxide (Na(OH)) No data available.

##### Toxicity to microorganisms

**Product:** No data available.

##### Components:

Ethanaminium, N-[4-[[4-(diethylamino)phenyl]phenylmethylene]-2,5-cyclohexadien-1-ylidene]-N-ethyl-, sulfate No data available.

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Sodium hydroxide (Na(OH)) No data available.

**Chronic hazards to the aquatic environment:**

**Fish**

**Product:** No data available.

**Components:**

Ethanaminium, N-[4-[[4-(diethylamino)phenyl]phenylmethylene]-2,5-cyclohexadien-1-ylidene]-N-ethyl-, sulfate No data available.

Sodium hydroxide (Na(OH)) No data available.

**Aquatic Invertebrates**

**Product:** No data available.

**Components:**

Ethanaminium, N-[4-[[4-(diethylamino)phenyl]phenylmethylene]-2,5-cyclohexadien-1-ylidene]-N-ethyl-, sulfate No data available.

Sodium hydroxide (Na(OH)) No data available.

**Toxicity to Aquatic Plants**

**Product:** No data available.

**Components:**

Ethanaminium, N-[4-[[4-(diethylamino)phenyl]phenylmethylene]-2,5-cyclohexadien-1-ylidene]-N-ethyl-, sulfate No data available.

Sodium hydroxide (Na(OH)) No data available.

**Toxicity to microorganisms**

**Product:** No data available.

**Components:**

Ethanaminium, N-[4-[[4-(diethylamino)phenyl]phenylmethylene]-2,5-cyclohexadien-1-ylidene]-N-ethyl-, sulfate No data available.

Sodium hydroxide (Na(OH)) No data available.

**Persistence and Degradability**

**Biodegradation**

**Product:** No data available.

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**Components:**

Ethanaminium, N-[4-[[4-(diethylamino)phenyl]phenylmethylene]-2,5-cyclohexadien-1-ylidene]-N-ethyl-, sulfate  
No data available.

Sodium hydroxide (Na(OH))  
No data available.

**BOD/COD Ratio**

**Product:** No data available.

**Components:**

Ethanaminium, N-[4-[[4-(diethylamino)phenyl]phenylmethylene]-2,5-cyclohexadien-1-ylidene]-N-ethyl-, sulfate  
No data available.

Sodium hydroxide (Na(OH))  
No data available.

**Bioaccumulative potential**

**Bioconcentration Factor (BCF)**

**Product:** No data available.

**Components:**

Ethanaminium, N-[4-[[4-(diethylamino)phenyl]phenylmethylene]-2,5-cyclohexadien-1-ylidene]-N-ethyl-, sulfate  
No data available.

Sodium hydroxide (Na(OH))  
No data available.

**Partition Coefficient n-octanol / water (log Kow)**

**Product:** Log Kow: No data available.

**Components:**

Ethanaminium, N-[4-[[4-(diethylamino)phenyl]phenylmethylene]-2,5-cyclohexadien-1-ylidene]-N-ethyl-, sulfate  
No data available.

Sodium hydroxide (Na(OH))  
No data available.

**Mobility in soil:**

**Product** No data available.

**Components:**

Ethanaminium, N-[4-[[4-(diethylamino)phenyl]phenylmethylene]-2,5-cyclohexadien-1-ylidene]-N-ethyl-, sulfate  
No data available.



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Sodium hydroxide (Na(OH)) No data available.

**Results of PBT and vPvB assessment:**

**Product** No data available.  
**Components:**  
Ethanaminium, N-[4-[[4-(diethylamino)phenyl]phenylmethylene]-2,5-cyclohexadien-1-ylidene]-N-ethyl-, sulfate  
Sodium hydroxide (Na(OH)) No data available.

**Other adverse effects:**

**Other hazards**  
**Product:** No data available.

**13. Disposal considerations**

**General information:** Dispose of waste and residues in accordance with local authority requirements.

**Disposal methods:** No data available.

**Contaminated Packaging:** Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

**14. Transport information**

**International regulations**

**IATA**

Not regulated.

**IMDG**

Not regulated.

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

Not applicable

**15. Regulatory information**

Classified according to the criteria in the Hazardous Substances (Minimum Degrees of Hazard) regulation 2001

Classified according to NZS 5433:1999, UN, IMDG, and IATA.



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### Ozone Depleting Substances

Not Regulated

### New Zealand. CWC. Chemical Weapons (Prohibition) Act 1996 (Schedules of Chemicals 1-3)

Not Regulated

#### International regulations

##### Montreal protocol

Not applicable

##### Stockholm convention

Not applicable

##### Rotterdam convention

Not applicable

##### Kyoto protocol

Not applicable

## 16. Other Information

<b>Issue Date:</b>	04.07.2022
<b>Revision Date:</b>	No data available.No data available.
<b>Version #:</b>	2.1
<b>Further Information:</b>	No data available.
<b>References:</b>	No data available.

**Disclaimer**

Disclaimer:  
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