

**BIMAX® RB19-VS****Safety Data Sheet 9239**

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS 2024)

Issue date: 03/03/2026

Version: 1.0

**SECTION 1: Identification****1.1. Identification**

Product name	: BIMAX® RB19-VS
Product code	: 9239
Product form	: Substance
Physical state	: Solid
Formula	: C <sub>22</sub> H <sub>15</sub> N <sub>2</sub> NaO <sub>7</sub> S <sub>2</sub>
Synonyms	: REACTIVE BLUE 19 VINYL SULFONE ACID BLUE 215
Chemical name	: SODIUM 1-AMINO-9,10-DIHYDRO-9,10-DIOXO-4-[M-(VINYLSULPHONYL)ANILINO]ANTHRACENE-2-SULPHONATE

**1.2. Recommended use and restrictions on use**

Recommended use	: Manufacture of substances Laboratory chemicals
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**1.3. Supplier**

GELEST, INC.  
158 Industrial Road  
Glen Rock, PA 17327  
USA  
T 717-227-1774 - F 717-227-1775 (M-F): 8:00 AM - 5:30 PM EST  
[CS-Gelest@m-chem.com](mailto:CS-Gelest@m-chem.com) - [www.gelest.com](http://www.gelest.com)

**1.4. Emergency telephone number**

Emergency number	: CHEMTREC: 1-800-424-9300 (USA); +1 703-527-3887 (International)
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**SECTION 2: Hazard(s) identification****2.1. Classification of the substance or mixture****GHS US classification**

Acute toxicity (oral), Category 4	H302	Harmful if swallowed.
Serious eye damage/eye irritation, Category 2	H319	Causes serious eye irritation.
Full text of H statements : see section 16		

**2.2. GHS Label elements, including precautionary statements****GHS US labeling**

Hazard pictograms (GHS US) :



Signal word (GHS US)	: Warning
Hazard statements (GHS US)	: H302 - Harmful if swallowed H319 - Causes serious eye irritation
Precautionary statements (GHS US)	: P264 - Wash hands thoroughly after handling. P270 - Do not eat, drink or smoke when using this product. P280 - Wear protective gloves, protective clothing, eye and face protection. P301+P312 - If swallowed: Call a poison center or doctor if you feel unwell. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove

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contact lenses, if present and easy to do. Continue rinsing.  
P330 - Rinse mouth.  
P337+P313 - If eye irritation persists: Get medical advice or attention.  
P501 - Dispose of contents and/or container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulations.

### 2.3. Hazards not otherwise classified (HNOC)

Other hazards which do not result in classification : Dust from this product may cause irritation to the respiratory tract.

### 2.4. Unknown acute toxicity (GHS US)

Not applicable

## SECTION 3: Composition/Information on ingredients

### 3.1. Substances

Name : BIMAX® RB19-VS  
CAS-No. : 14541-90-3

Name	Product identifier	%	GHS US classification
Sodium 1-amino-9,10-dihydro-9,10-dioxo-4-[m-(vinylsulphonyl)anilino]anthracene-2-sulphonate	CAS-No.: 14541-90-3	≥ 90	Acute Tox. 4 (Oral), H302
Remazol Brilliant Blue R	CAS-No.: 2580-78-1	≤ 10	Eye Irrit. 2, H319

Full text of hazard classes and H-statements : see section 16

### 3.2. Mixtures

Not applicable

## SECTION 4: First-aid measures

### 4.1. Description of first aid measures

First-aid measures general : Call a poison center/doctor/physician if you feel unwell.  
First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.  
First-aid measures after skin contact : Wash skin with plenty of water.  
First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.  
First-aid measures after ingestion : Rinse mouth. Call a poison center/doctor/physician if you feel unwell.

### 4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after inhalation : Dust of the product, if present, may cause respiratory irritation after an excessive inhalation exposure.  
Symptoms/effects after skin contact : Dust may cause irritation in skin folds or by contact in combination with tight clothing.  
Symptoms/effects after eye contact : Causes serious eye irritation.  
Symptoms/effects after ingestion : Harmful if swallowed.  
Chronic symptoms : Dust of the product, if present, may cause respiratory irritation after an excessive inhalation exposure.

### 4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

## SECTION 5: Fire-fighting measures

### 5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Carbon dioxide. Water spray. Dry powder. Foam.

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Unsuitable extinguishing media : Avoid the use of streaming water, as this may spread the fire.

### 5.2. Specific hazards arising from the chemical

Fire hazard : May form combustible dust concentrations in air.  
Explosion hazard : No direct explosion hazard.  
Reactivity : No dangerous reactions known under normal conditions of use.  
Hazardous decomposition products in case of fire : Combustion products may include the following: carbon oxides (CO, CO<sub>2</sub>) (carbon monoxide, carbon dioxide) nitrogen oxides (NO, NO<sub>2</sub> etc.). Sulfur oxides (SO<sub>x</sub>). Sodium oxide.

### 5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.  
Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6: Accidental release measures

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

#### 6.1.1. For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment.  
Emergency procedures : Ventilate spillage area. Avoid breathing dust. Avoid contact with skin and eyes.

#### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".  
Emergency procedures : Evacuate unnecessary personnel.

### 6.2. Environmental precautions

Avoid release to the environment.

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

For containment : Stop leak, if possible without risk.  
Methods for cleaning up : Avoid dust formation. Shovel into suitable and closed container for disposal.  
Other information : Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Additional hazards when processed : May form combustible dust concentrations in air.  
Precautions for safe handling : Ensure good ventilation of the work station. Avoid dust formation. Avoid breathing dust. Avoid contact with skin and eyes. Wear personal protective equipment.  
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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

Storage conditions : Keep container tightly closed in a dry and well-ventilated place.  
Incompatible materials : Oxidizing agents.  
Storage temperature : < 32 °C (Recommended)  
Packaging materials : Always store product in container of same material as original container.

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### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

No additional information available

#### 8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.  
Environmental exposure controls : Avoid release to the environment.

#### 8.3. Individual protection measures/Personal protective equipment

##### Personal protective equipment:

Wear recommended personal protective equipment.

##### Hand protection:

Protective gloves

##### Eye protection:

Safety glasses

##### Skin and body protection:

Wear suitable protective clothing

##### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

### SECTION 9: Physical and chemical properties

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

Physical state	: Solid
Appearance	: Powder.
Molecular mass	: 506.49 g/mol
Color	: Blue-purple.
Odor	: No data available
Odor threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: > 300 °C
Freezing point	: Not applicable
Boiling point	: No data available
Flash point	: Not applicable
Auto-ignition temperature	: Not applicable
Decomposition temperature	: No data available
Flammability (solid, gas)	: Non flammable.
Vapor pressure	: No data available
Relative vapor density at 20°C	: No data available
Relative density	: No data available
Solubility	: Soluble in water.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Partition coefficient n-octanol/water (Log Kow)	: No data available
Viscosity, kinematic	: Not applicable
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Explosion limits	: Not applicable
Particle characteristics	: No data available

#### Remazol Brilliant Blue R

Particle characteristics	No data available
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### Sodium 1-amino-9,10-dihydro-9,10-dioxo-4-[m-(vinylsulphonyl)anilino]anthracene-2-sulphonate

Particle characteristics	No data available
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#### 9.2. Other information

No additional information available

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No dangerous reactions known under normal conditions of use.

#### 10.2. Chemical stability

Stable under normal temperatures and pressures.

#### 10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

#### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

#### 10.5. Incompatible materials

Oxidizing agents.

#### 10.6. Hazardous decomposition products

No data available. In the event of fire: see section 5.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Likely routes of exposure	: Ingestion; Skin and eye contact
Acute toxicity (oral)	: Harmful if swallowed.
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

#### BIMAX® RB19-VS (14541-90-3)

ATE US (oral)	555.556 mg/kg body weight
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#### Remazol Brilliant Blue R (2580-78-1)

LD50 oral rat	> 5000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity), Guideline: EU Method B.1 (Acute Toxicity (Oral))
LD50 dermal rat	> 2000 mg/kg body weight Animal: rat, Guideline: EU Method B.3 (Acute Toxicity (Dermal)), Guideline: OECD Guideline 402 (Acute Dermal Toxicity)

Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified

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### Remazol Brilliant Blue R (2580-78-1)

NOAEL (oral,rat,90 days)	≥ 1000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity Study in Rodents)
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Aspiration hazard	: Not classified
Potential Adverse human health effects and symptoms	: To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.
Symptoms/effects after inhalation	: Dust of the product, if present, may cause respiratory irritation after an excessive inhalation exposure.
Symptoms/effects after skin contact	: Dust may cause irritation in skin folds or by contact in combination with tight clothing.
Symptoms/effects after eye contact	: Causes serious eye irritation.
Symptoms/effects after ingestion	: Harmful if swallowed.
Chronic symptoms	: Dust of the product, if present, may cause respiratory irritation after an excessive inhalation exposure.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general	: The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.
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### Remazol Brilliant Blue R (2580-78-1)

LC50 - Fish [1]	337 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
EC50 - Crustacea [1]	34.6 mg/l Source: EPISUITE
EC50 72h - Algae [1]	14.5 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
EC50 72h - Algae [2]	14.4 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
EC50 96h - Algae [1]	68.154 mg/l Source: EPISUITE

### 12.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

### Remazol Brilliant Blue R (2580-78-1)

Partition coefficient n-octanol/water (Log Pow)	-1.85 Source: EPISUITE
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### 12.4. Mobility in soil

### Remazol Brilliant Blue R (2580-78-1)

Mobility in soil	2.723 Source: EPISUITE
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### 12.5. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Regional waste regulation	: Disposal must be done according to official regulations.
Sewage disposal recommendations	: Do not dispose of waste into sewer.
Product/Packaging disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations.
Additional information	: Do not re-use empty containers.

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### SECTION 14: Transport information

In accordance with DOT / TDG / IMDG / IATA

DOT	TDG	IMDG	IATA
<b>14.1. UN number</b>			
Not regulated for transport			
<b>14.2. Proper Shipping Name</b>			
Not applicable	Not applicable	Not applicable	Not applicable
<b>Transport document description</b>			
Not applicable	Not applicable	Not applicable	Not applicable
<b>14.3. Transport hazard class(es)</b>			
Not applicable	Not applicable	Not applicable	Not applicable
<b>14.4. Packing group</b>			
Not applicable	Not applicable	Not applicable	Not applicable
<b>14.5. Environmental hazards</b>			
Not applicable	Not applicable	Not applicable	Not applicable
No supplementary information available			

### 14.6. Special precautions for user

#### DOT

No data available

#### TDG

No data available

#### IMDG

No data available

#### IATA

No data available

### 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. US Federal regulations

Commercial status of components according to the United States Environmental Protection Agency's Toxic Substances Control Act (TSCA):

Name	CAS-No.	Listing	Commercial status	Flags
Remazol Brilliant Blue R	2580-78-1	Present	Active	
Sodium 1-amino-9,10-dihydro-9,10-dioxo-4-[m-(vinylsulphonyl)anilino]anthracene-2-sulphonate	14541-90-3	Present	Inactive	

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### 15.2. International regulations

#### CANADA

##### Remazol Brilliant Blue R (2580-78-1)

Listed on the Canadian DSL (Domestic Substances List)

##### Sodium 1-amino-9,10-dihydro-9,10-dioxo-4-[m-(vinylsulphonyl)anilino]anthracene-2-sulphonate (14541-90-3)

Listed on the Canadian DSL (Domestic Substances List)

#### EU-Regulations

No additional information available

#### National regulations

No additional information available

### 15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

## SECTION 16: Other information

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS 2024)

#### Full text of hazard classes and H-statements

H302	Harmful if swallowed
H319	Causes serious eye irritation

#### Abbreviations and acronyms

: Abbreviations: ND: Not Determined, No Data; NA: Not Applicable; LD: Lethal Dose; LC: Lethal Concentration; ATE: Acute Toxicity Estimates; H: hour; °: °C unless otherwise stated; mm: millimeters Hg, torr; PEL: permissible exposure level; TWA: time weighted average; TLV: threshold limit value; TG: Test Guideline; NIOSH: National Institute for Occupational Safety and Health; IARC: International Agency for Research on Cancer; NTP: National Toxicology Program; HMIS: Hazardous Material Information System; CAS No.: Chemical Abstract Service Registration Number; EC No.: European Commission Registration Number; EC Index No.: European Commission Index Number; OECD: The Organisation for Economic Co-operation and Development; GHS: The Globally Harmonized System of Classification and Labelling; APF: Assigned Protection Factor.

#### NFPA health hazard

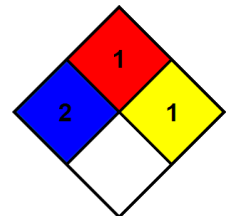
: 2 - Materials that, under emergency conditions, can cause temporary incapacitation or residual injury.

#### NFPA fire hazard

: 1 - Materials that must be preheated before ignition can occur.

#### NFPA reactivity

: 1 - Materials that in themselves are normally stable but can become unstable at elevated temperatures and pressures.



Issue date: 03/03/2026

Version: 1.0

SDS US (GHS HazCom 2012) - Custom

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