

# Safety Data Sheet

Janus Green B

**CAROLINA**<sup>®</sup>  
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## Section 1 Product Description

**Product Name:** Janus Green B  
**Recommended Use:** Science education applications  
**Synonyms:** C.I. 11050, 8-(4-Dimethylaminophenyl)diazenyl-N,N-diethyl-10-phenylphenazin-10-ium-2-amine chloride, Janus Green V  
**Distributor:** Carolina Biological Supply Company  
2700 York Road, Burlington, NC 27215  
1-800-227-1150  
**Chemical Information:** 800-227-1150 (8am-5pm (ET) M-F)  
**Chemtrec:** 800-424-9300 (Transportation Spill Response 24 hours)

## Section 2 Hazard Identification

Classification of the chemical in accordance with paragraph (d) of §1910.1200;

Not a dangerous substance according to GHS classification criteria. No known OSHA hazards.

GHS Classification:

|                                              |                                                                    |
|----------------------------------------------|--------------------------------------------------------------------|
| Acute Toxicity Oral Contains                 | 100 % of the mixture consists of ingredient(s) of unknown toxicity |
| Acute Toxicity Dermal Contains               | 100 % of the mixture consists of ingredient(s) of unknown toxicity |
| Acute Toxicity Inhalation Gas Contains       | 100 % of the mixture consists of ingredient(s) of unknown toxicity |
| Acute Toxicity Inhalation Vapor Contains     | 100 % of the mixture consists of ingredient(s) of unknown toxicity |
| Acute Toxicity Inhalation Dust/Mist Contains | 100 % of the mixture consists of ingredient(s) of unknown toxicity |

## Section 3 Composition / Information on Ingredients

| Chemical Name | CAS #     | %   |
|---------------|-----------|-----|
| Janus Green B | 2869-83-2 | 100 |

## Section 4 First Aid Measures

### Emergency and First Aid Procedures

**Inhalation:** In case of accident by inhalation: remove casualty to fresh air and keep at rest.  
**Eyes:** In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
**Skin Contact:** After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water.  
**Ingestion:** If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

## Section 5 Firefighting Procedures

**Extinguishing Media:** Use dry chemical, CO2 or appropriate foam.  
**Fire Fighting Methods and Protection:** Firefighters should wear full protective equipment and NIOSH approved self-contained breathing apparatus.  
**Fire and/or Explosion Hazards:** Fire or excessive heat may produce hazardous decomposition products.  
**Hazardous Combustion Products:** Carbon dioxide, Carbon monoxide

## Section 6 Spill or Leak Procedures

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## Steps to Take in Case Material Is Released or Spilled:

Exposure to the spilled material may be irritating or harmful. Follow personal protective equipment recommendations found in Section 8 of this SDS. Additional precautions may be necessary based on special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred. Also consider the expertise of employees in the area responding to the spill. Avoid dusting. Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section 8 at a minimum. Dike with suitable absorbent material like granulated clay. Gather and store in a sealed container pending a waste disposal evaluation.

## Section 7 Handling and Storage

**Handling:** Avoid creating and inhaling dust. Do not ingest or take internally.  
**Storage:** Keep container tightly closed in a cool, well-ventilated place.

## Section 8 Protection Information

| <u>Chemical Name</u> | <u>ACGIH</u> | <u>OSHA PEL</u> |       |        |
|----------------------|--------------|-----------------|-------|--------|
|                      | (TWA)        | (STEL)          | (TWA) | (STEL) |
| Janus Green B        | N/A          | N/A             | N/A   | N/A    |

### Control Parameters

**Engineering Measures:** No exposure limits exist for the constituents of this product. Use local exhaust ventilation or other engineering controls to minimize exposures and maintain operator comfort.

**Personal Protective Equipment (PPE):** Lab coat, apron, eye wash, safety shower.

**Respiratory Protection:** No respiratory protection required under normal conditions of use. Provide general room exhaust ventilation if symptoms of overexposure occur as explained Section 11. A respirator is not normally required.

**Respirator Type(s):** None required where adequate ventilation is provided. If airborne concentrations are above the applicable exposure limits, use NIOSH/MSHA approved respiratory protection.

**Eye Protection:** Wear chemical splash goggles when handling this product. Have an eye wash station available.

**Skin Protection:** Avoid skin contact by wearing chemically resistant gloves, an apron and other protective equipment depending upon conditions of use. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.

**Gloves:** No information available

## Section 9 Physical Data

|                                                   |                                                      |
|---------------------------------------------------|------------------------------------------------------|
| <b>Formula:</b> C30H31N6Cl                        | <b>Vapor Pressure:</b> No data available             |
| <b>Molecular Weight:</b> 511.06                   | <b>Evaporation Rate (BuAc=1):</b> No data available  |
| <b>Appearance:</b> Green Powder                   | <b>Vapor Density (Air=1):</b> No data available      |
| <b>Odor:</b> No data available                    | <b>Specific Gravity:</b> No data available           |
| <b>Odor Threshold:</b> No data available          | <b>Solubility in Water:</b> Slightly Soluble         |
| <b>pH:</b> No data available                      | <b>Log Pow (calculated):</b> No data available       |
| <b>Melting Point:</b> No data available           | <b>Autoignition Temperature:</b> No data available   |
| <b>Boiling Point:</b> No data available           | <b>Decomposition Temperature:</b> No data available  |
| <b>Flash Point:</b> No data available             | <b>Viscosity:</b> No data available                  |
| <b>Flammable Limits in Air:</b> No data available | <b>Percent Volatile by Volume:</b> No data available |

## Section 10 Reactivity Data

**Reactivity:** Not generally reactive under normal conditions.

**Chemical Stability:** Stable under normal conditions.

**Conditions to Avoid:** None known.

**Incompatible Materials:** Acids, Aldehydes, Halogenated Hydrocarbons, Isocyanates, Metals (powdered), Peroxides, Strong oxidizing agents, Strong reducing agents

**Hazardous Polymerization:** Will not occur

## Section 11 Toxicity Data

**Routes of Entry** Inhalation, ingestion, eye or skin contact.

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**Symptoms (Acute):** No data available  
**Delayed Effects:** No data available

## Acute Toxicity:

| Chemical Name | CAS Number | Oral LD50      | Dermal LD50    | Inhalation LC50 |
|---------------|------------|----------------|----------------|-----------------|
| Janus Green B | 2869-83-2  | Not determined | Not determined | Not determined  |

## Carcinogenicity:

| Chemical Name | CAS Number | IARC       | NTP        | OSHA       |
|---------------|------------|------------|------------|------------|
| Janus Green B | 2869-83-2  | Not listed | Not listed | Not listed |

## Chronic Effects:

**Mutagenicity:** No evidence of a mutagenic effect.  
**Teratogenicity:** No evidence of a teratogenic effect (birth defect).  
**Sensitization:** No evidence of a sensitization effect.  
**Reproductive:** No evidence of negative reproductive effects.  
**Target Organ Effects:**  
**Acute:** No data available  
**Chronic:** No data available

## Section 12

### Ecological Data

**Overview:** This material is not expected to be harmful to the ecology.  
**Mobility:** This material is expected to have only slight mobility in soil. It absorbs strongly to most soil types.  
**Persistence:** No data  
**Bioaccumulation:** Bioconcentration may occur.  
**Degradability:** No data  
**Other Adverse Effects:** No data

| Chemical Name | CAS Number | Eco Toxicity |
|---------------|------------|--------------|
| Janus Green B | 2869-83-2  |              |

## Section 13

### Disposal Information

**Disposal Methods:** Dispose in accordance with all applicable Federal, State and Local regulations. Always contact a permitted waste disposer (TSD) to assure compliance.  
**Waste Disposal Code(s):** Not Determined

## Section 14

### Transport Information

| Ground - DOT Proper Shipping Name:     | Air - IATA Proper Shipping Name:         |
|----------------------------------------|------------------------------------------|
| Not regulated for transport by US DOT. | Not regulated for air transport by IATA. |

## Section 15

### Regulatory Information

**TSCA Status:** All components in this product are on the TSCA Inventory.

| Chemical Name | CAS Number | § 313 Name | § 304 RQ | CERCLA RQ | § 302 TPQ | CAA 112(2) TQ |
|---------------|------------|------------|----------|-----------|-----------|---------------|
| Janus Green B | 2869-83-2  | No         | No       | No        | No        | No            |

## Section 16

### Additional Information

**Revised:** 09/09/2015

**Replaces:** 09/03/2014

**Printed:** 10-29-2015

The information provided in this (Material) Safety Data Sheet represents a compilation of data drawn directly from various sources available to us. Carolina Biological Supply makes no representation or guarantee as to the suitability of this information to a particular application of the substance covered in the (Material) Safety Data Sheet.

## Glossary

# Safety Data Sheet

|        |                                                                          |      |                                               |
|--------|--------------------------------------------------------------------------|------|-----------------------------------------------|
| ACGIH  | American Conference of Governmental<br>Industrial Hygienists             | NTP  | National Toxicology Program                   |
| CAS    | Chemical Abstract Service Number                                         | OSHA | Occupational Safety and Health Administration |
| CERCLA | Comprehensive Environmental Response,<br>Compensation, and Liability Act | PEL  | Permissible Exposure Limit                    |
| DOT    | U.S. Department of Transportation                                        | ppm  | Parts per million                             |
| IARC   | International Agency for Research on Cancer                              | RCRA | Resource Conservation and Recovery Act        |
| N/A    | Not Available                                                            | SARA | Superfund Amendments and Reauthorization Act  |
|        |                                                                          | TLV  | Threshold Limit Value                         |
|        |                                                                          | TSCA | Toxic Substances Control Act                  |
|        |                                                                          | IDLH | Immediately dangerous to life and health      |