



# Material Safety Data Sheet

## EMERGENCY NUMBERS:

(USA) CHEMTREC : 1(800) 424-9300 (24hrs)

(CAN) CANUTEC : 1(613) 996-6666 (24hrs)

(USA) Anachemia : 1(518) 297-4444

(CAN) Anachemia : 1(514) 489-5711

WHMIS	Protective Clothing	TDG Road/Rail
Not controlled under WHMIS (Canada).		Not controlled under TDG (Canada). PIN: Not applicable. PG: Not applicable.

## Section I. Product Identification and Uses

<b>Product name</b>	<b>JANUS GREEN B</b>	<b>CI#</b>	Not available.
<b>Chemical formula</b>	C30H31ClN6	<b>CAS#</b>	2869-83-2
<b>Synonyms</b>	C.I.11050,3-(Diethylamino)-7-((p-(dimethylamino)phenyl)chloride, Janus green V, R-2990, 49560	<b>Code</b>	R-2990
<b>Supplier</b>	Anachemia Canada. 255 Norman. Lachine (Montreal), Que H8R 1A3	<b>Formula weight</b>	511.07
		<b>Supersedes</b>	
<b>Material uses</b>	For laboratory use only.		

## Section II. Ingredients

Name	CAS #	%	TLV
1) JANUS GREEN B	2869-83-2	~65	Not established by ACGIH

**Toxicity values of the hazardous ingredients**

JANUS GREEN B  
LD50: Not available.  
LC50: Not available.

**Section III. Physical Data**

<b>Physical state and appearance / Odor</b>	Solid. (Black powder.)
<b>pH (1% soln/water)</b>	Not available.
<b>Odor threshold</b>	Not available.
<b>Percent volatile</b>	Not available.
<b>Freezing point</b>	Not available.
<b>Boiling point</b>	Not available.
<b>Specific gravity</b>	Not available.
<b>Vapor density</b>	Not available.
<b>Vapor pressure</b>	Not available.
<b>Water/oil dist. coeff.</b>	Not available.
<b>Evaporation rate</b>	Not available.
<b>Solubility</b>	Soluble in cold water.

**Section IV. Fire and Explosion Data**

<b>Flash point</b>	Not available.
<b>Flammable limits</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Fire degradation products</b>	Oxides of carbon and nitrogen. Hydrogen chloride.
<b>Fire extinguishing procedures</b>	Use DRY chemical, CO2, alcohol foam or water spray. Wear adequate personal protection to prevent contact with material or its combustion products. Self contained breathing apparatus with a full facepiece operated in a pressure demand or other positive pressure mode.
<b>Fire and Explosion Hazards</b>	The sensitivity to static discharge is not available. The sensitivity to impact is not available. Emits toxic fumes under fire conditions.

**Section V. Toxicological Properties**

<b>Routes of entry</b>	Inhalation and ingestion. Skin contact. Eye contact.
<b>Effects of Acute Exposure</b>	May be harmful by ingestion, inhalation, or skin absorption.
<b>Eye</b>	May cause irritation.
<b>Skin</b>	May cause irritation.
<b>Inhalation</b>	No specific information is available on this material.
<b>Ingestion</b>	No specific information is available on this material.

## Section V. Toxicological Properties

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**Effects of Chronic Overexposure** Carcinogenic effects: Not available. Mutagenic effects: Not available. Teratogenic effects: Not available. Toxicity of the product to the reproductive system: Not available. To the best of our knowledge, the chemical, physical, and toxicity of this substance has not been fully investigated.

## Section VI. First Aid Measures

**Eye contact** Immediately flush eyes with copious quantities of water for at least 15 minutes holding lids apart to ensure flushing of the entire surface. Call a physician.

**Skin contact** Immediately flush skin with plenty of water and soap for at least 15 minutes while removing contaminated clothing and shoes. Call a physician. Wash contaminated clothing before reusing.

**Inhalation** Remove patient to fresh air. Administer approved oxygen supply if breathing is difficult. Administer artificial respiration or CPR if breathing has ceased. Call a physician.

**Ingestion** If conscious, wash out mouth with water. Never give anything by mouth to an unconscious or convulsing person. Call a physician.

## Section VII. Reactivity Data

**Stability** Stable. Conditions to avoid: High temperatures, sparks, open flames and all other sources of ignition, contamination.

**Hazardous decomp. products** Not available.

**Incompatibility** Oxidizing agents.

**Reaction Products** Not available. Hazardous polymerization will not occur.

## Section VIII. Preventive Measures

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**Protective Clothing in case of spill and leak** Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves.

**Spill and leak** Sweep up and place in container for disposal. Avoid raising dust. Ventilate area and wash spill site after material pick up is complete. DO NOT empty into drains. DO NOT touch spilled material.

**Waste disposal** Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an after burner and scrubber. According to all applicable regulations.

**Storage and Handling** Store in a cool place away from heated areas, sparks, and flame. Store in a well ventilated area. Store away from incompatible materials. Do not add any other material to the container. Do not wash down the drain. Do not breathe dust. Keep container tightly closed and dry. Manipulate in a well ventilated area or under an adequate fume hood. Avoid raising dust. Handle and open container with care. Minimize dust generation and exposure - use dust mask or appropriate protection. Take off immediately all contaminated clothing. This product must be manipulated by qualified personnel. Do not get in eyes, on skin, or on clothing. Wash well after use. In accordance with good storage and handling practices. Do not allow smoking and food consumption while handling.

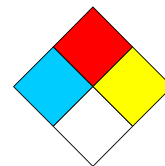
## Section IX. Protective Measures

**Protective clothing** Splash goggles. Impervious gloves, coveralls, and/or other resistant protective clothing. Sufficient to protect skin. If use conditions generate dusts, wear a NIOSH-approved respirator appropriate for those emission levels. Appropriate respirators may be a full facepiece or a half mask air-purifying cartridge respirator with particulate filters, a self-contained breathing apparatus in the pressure demand mode, or a supplied-air respirator. Do not wear contact lenses. Make eye bath and emergency shower available.

**Engineering controls** Local mechanical exhaust ventilation capable of minimizing dust emissions at the point of use. Do not use in unventilated spaces.

## Section X. Other Information

**Special Precautions or comments** To the best of our knowledge, the chemical, physical and toxicity of this substance has not been fully investigated. May cause irritation. Do not breathe dust. Avoid all contact with the product. Avoid prolonged or repeated exposure. Manipulate in a well ventilated area or under an adequate fume hood.  
RTECS NO: SG1633000 (Janus green b).



NFPA

Prepared by MSDS Department/Département de F.S..

Validated 21-Nov-2013



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