



UNISOURCE CHEMICALS PRIVATE LIMITED

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JANUS GREEN B

Material Safety Data Sheet

1. PRODUCT IDENTIFICATION

Synonyms: C.I. 11050; 3-(Diethylamino)-7-((p-(dimethylamino)phenyl)azo)-5-phenylphenazinium chloride; Diazine Green; Janus Green V

CAS No.: 2869-83-2

Molecular Weight: 511.07

Chemical Formula: C₃₀H₃₁CIN₆

RTECS Number: SG1633000

2. COMPOSITION, INFORMATION ON INGREDIENTS:

<u>Chemical Name</u>	<u>CAS No.</u>	<u>Percent</u>	<u>Hazardous</u>
Janus Green B	2869-83-2	90-100	No

3. HAZARDS IDENTIFICATION:

Emergency Overview: Do not breathe dust. Avoid contact with eyes, skin, and clothing. Keep container closed.

Use with adequate ventilation. Wash thoroughly after handling.

Potential Health Effects:

Eyes: May cause eye irritation.

Skin: May cause skin irritation..

Ingestion: May be harmful by ingestion.

Inhalation: May be harmful by inhalation.

Chronic: Carcinogen (rat) /Mutagen (Hamster)

4. FIRST AID MEASURES:

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.

Skin: In case of contact, flush skin with plenty of water for at least 15 minutes while removing contaminated clothes and shoes. Get medical attention if irritation develops or persists.

Ingestion: If victim is conscious and alert rinse mouth with water. Do NOT induce vomiting. NEVER give anything by mouth to an unconscious person. Get medical attention if irritation or symptoms appear.

Inhalation: Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.

5. FIRE FIGHTING MEASURES:

General Information: Not considered to be a fire hazard. Not considered to be an explosion hazard. In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other possible pressure mode.

Extinguishing Media: Water spray, alcohol foam, dry chemical, CO₂.

Flash Point: N/A

Auto-ignition Temperature: N/A

6. ACCIDENTAL RELEASE MEASURES:

General Information: Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves.

Spills/Leaks: Ventilate area of leak or spill. Clean-up personnel may require respiratory protection from dust. SPILLS: Sweep up and containerize for reclamation or disposal. Vacuuming or wet sweeping maybe used to avoid dust dispersal.

7. HANDLING AND STORAGE:

Handling: Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure. Wash thoroughly after handling. Wash contaminated clothing before reuse.

Storage: Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Isolate from incompatible substances.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION:

Engineering Controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and safety shower. Use adequate ventilation to keep airborne concentrations low. A local exhaust system which captures the contaminant at its source is recommended to prevent dispersion of the contaminant into the workroom air.

Exposure Limits

<u>Chemical Name</u>	<u>ACGIH</u>	<u>NIOSH</u>	<u>OSHA-Final PEL's</u>
Janus Green B	None listed	None listed	None listed

OSHA Vacated PELs: No OSHA Vacated PELs are listed for this chemical.

Personal Protective Equipment:

Eyes: Use chemical safety goggles. Maintain eye wash fountain and quick-drench facilities in work area.

Skin: Wear protective gloves.

Clothing: Wear clean body-covering clothing.

Respirators: For conditions of use where exposure to the dust is apparent, a dust/mist respirator may be worn. For emergencies, a self-contained breathing apparatus may be necessary.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Appearance: Black powder.

Solubility: 30 mg/ml in water

NO OTHER INFORMATION IS CURRENTLY AVAILABLE.

10. STABILITY AND REACTIVITY:

Stability: Stable under ordinary conditions of use and storage.

Hazardous Decomposition Products: May emit toxic fumes of carbon dioxide and carbon monoxide when heated to decomposition. Nitrogen oxides and Hydrogen chloride gas.

Hazardous Polymerization: Will not occur.

Incompatibilities: Strong oxidizers.

11. TOXICOLOGICAL INFORMATION:

Carcinogen: Species: Rat; Route of Application: Subcutaneous; Dose: 960 mg/kg; Exposure Time: 13W; Frequency: I; Result: Tumorigenic: Tumors at site or application.; Tumorigenic: Equivocal tumorigenic agent by RTECS criteria.

Chronic Exposure: Mutagen; Species: Hamster; Dose: 20 UMOL/L; Exposure Time: 5H; Cell Type: ovary; Mutation test: Cytogenetic analysis.

12. ECOLOGICAL INFORMATION:

No LD50/LC50 information found relating to normal routes of occupational exposure. May cause long-term adverse effects in the aquatic environment.

13. DISPOSAL CONSIDERATIONS:

DISPOSAL: Whatever cannot be saved for reclamation may be delivered to an approved waste disposal facility.

ENSURE COMPLIANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

RCRA P-Series: None listed. **RCRA U-Series:** None listed.

14. TRANSPORT INFORMATION:

Not regulated. This substance is considered to be non-hazardous for transport.

15. REGULATORY INFORMATION:

US FEDERAL

TSCA CAS# 2869-83-2 is listed on the TSCA inventory.

Health & Safety Reporting List None of the chemicals are on the Health & Safety Reporting List.

Chemical Test Rules None of the chemicals in this product are under a Chemical Test Rule.

Section 12b None of the chemicals are listed under TSCA Section 12b.

TSCA Significant New Use Rule None of the chemicals in this material have a SNUR under TSCA.

SARA

CERCLA Hazardous Substances and corresponding RQs None of the chemicals in this material have an RQ.

SARA Section 302 Extremely Hazardous Substances None of the chemicals in this product have a TPQ.

Section 313 No chemicals are reportable under Section 313.

Clean Air Act This material does not contain any hazardous air pollutants. This material does not contain any Class 1 Ozone depleters. This material does not contain any Class 2 Ozone depleters.

Clean Water Act None of the chemicals in this product are listed as Hazardous Substances under the CWA. None of the chemicals in this product are listed as Priority Pollutants under the CWA. None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

OSHA None of the chemicals in this product are considered highly hazardous by OSHA.

STATE CAS# 2869-83-2 is not present on state lists from CA, PA, MA, MN, FL, or NJ.

California Prop 65: No Significant Risk Level: None of the chemicals in this product are listed.

EUROPEAN/INTERNATIONAL REGULATIONS

European Labeling in Accordance with EC Directives

Hazardous Symbols: Not available.

Risk Phrases: Not available.

Safety Phrases: S24/25 Avoid contact with skin and eyes.

WGK (Water Danger/Protection) CAS# 2869-83-2 No information available.

Canada - DSL/NDSL CAS#2869-83-2 is listed on Canada's DSL List. Not listed on NDSL.

Canada – WHMIS Not available. CAS# 2869-83-2 is not listed on Canada's Ingredient Disclosure List.

Exposure Limits

16. DISCLAIMER INFORMATION:

DISCLAIMER

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